WEEKLY WEATHER AND CROP BULLETIN

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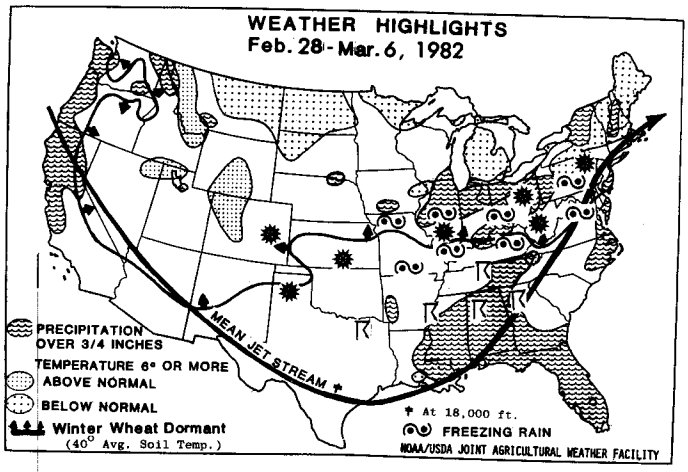
National Weather Summary

February 28-March 6, 1982



HIGHLIGHTS: Early in the week, a Pacific storm produced wind and rain along the west coast and rain with snow at higher elevations through the Plateau and Rockies. Later, cold air, moving southeastward from the northern Plains into warmer, moist air, produced a variety of precipitation along its leading edge. As the week ended, storm systems in the Gulf of Mexico were propelled northeastward by a strong upper air jet stream and spread rain through the South and Southeast and snow through the Northeast.

SUNDAY...Snow showers lingered in the early morning through the southern Appalachians and southern Virginia while light rain continued in the Southeast. Out West, an intense Pacific storm brought rainshowers to the central California coast northward through the State of Washington. The southern Plains and the Southwest became quite warm with 60° temperatures reaching into Kansas.

MONDAY...A cold front spread rain across the Pacific Coast States and over the Plateau. High winds lashed the Pacific coast. Snow covered the northern and central Rockies and fell from the northern Plains eastward through New York and New England. The snow became freezing rain later in the day from South Dakota to southern Wisconsin and into Iowa. Although a new cold outbreak kept temperatures low in the extreme northern Plains, afternoon temperatures reached the seventies in parts of Nebraska.

TUESDAY...Most of the Nation recorded some precipitation. Only the area from Texas across the Gulf States and north to Virginia were free of snow or rain. Wind and rain continued to lash the west coast, and rain--or snow at higher elevations--spread throughout the Plateau and northern Rockies. There was snow in the Dakotas and Montana, freezing rain in Nebraska and eastward through the southern Lake States, and rain in Kansas which spread to the Ohio Valley. Snow continued in the Northeast with some sleet in Pennsylvania and rain in New Jersey and the southern New England coast.

WEDNESDAY...Rainshowers fell over the north Pacific coast with snow and gusty wind in the mountains. Rain or snow throughout the northern Plateau became all snow in the central and northern Rockies. The mixed precipitation in the Plains changed to all snow from Kansas northward while light rain reached from Oklahoma through Tennessee and southern Kentucky into western North Carolina and Virginia. Freezing rain changed to snow throughout Illinois and the Ohio Valley to western Pennsylvania.

THURSDAY...Cold air pushing southward at the surface with warmer air above caused freezing rain, snow, or a mixture of both from eastern Kansas and Nebraska, across the lower Great Lakes region to the upper Ohio Valley, and through Pennsylvania and Maryland. Snow fell from western Kansas and Colorado northward and through New York and New England. Rain and a few thunderstorms covered the area from southern Missouri to North Carolina. Rain with snow at higher elevations spread over the Pacific Northwest.

FRIDAY...Snow reached from eastern Colorado through Kansas to the Ohio River Valley and from northern New Mexico through the Texas Panhandle to northwestern Oklahoma. Freezing rain covered parts of northern Texas and southern Oklahoma. A storm in the Gulf of Mexico spread showers and thunderstorms from eastern Texas and Arkansas to Florida and the Carolinas. Light snow covered the west side of the Appalachians from West Virginia through New England.

(Continued on page 8.)

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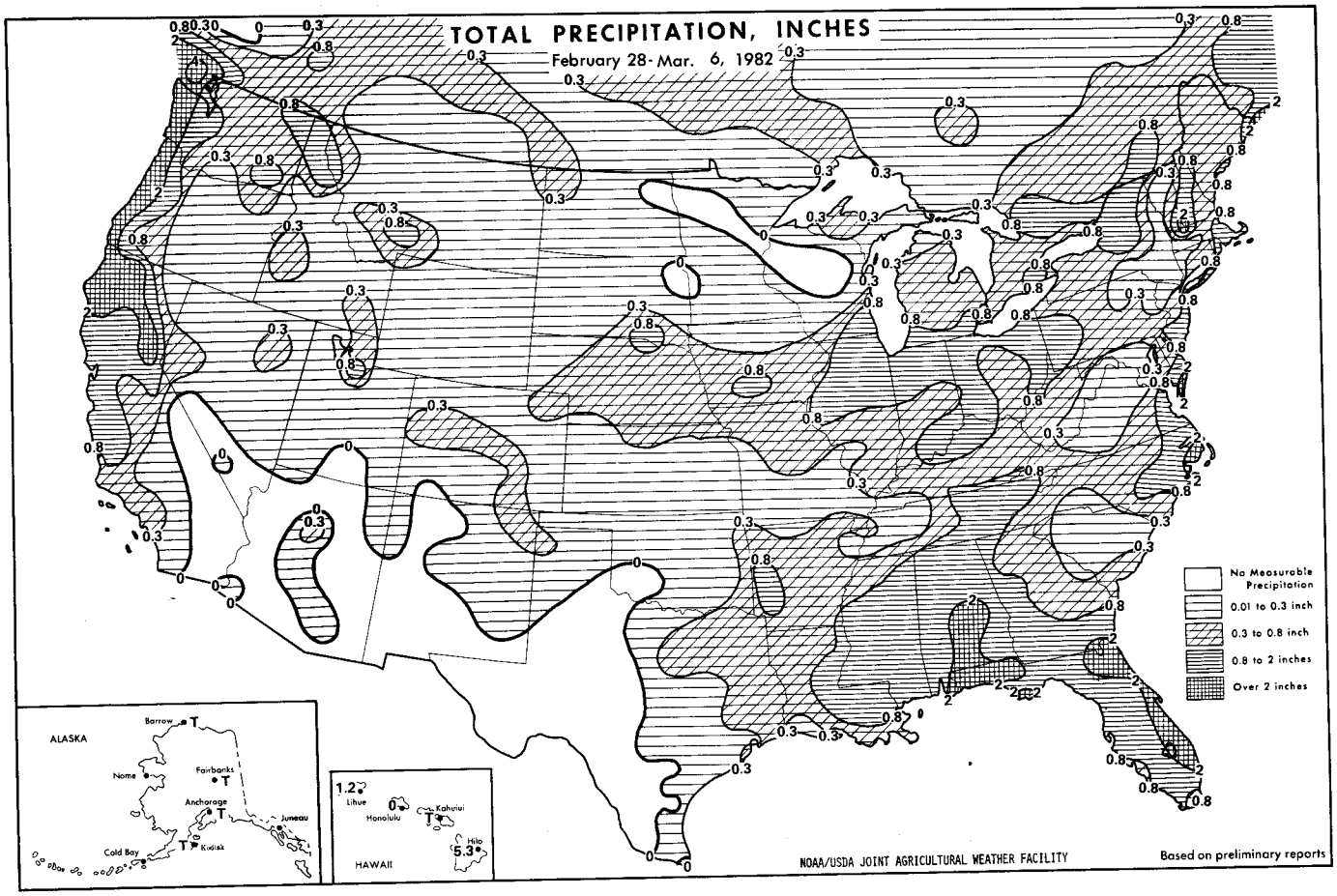
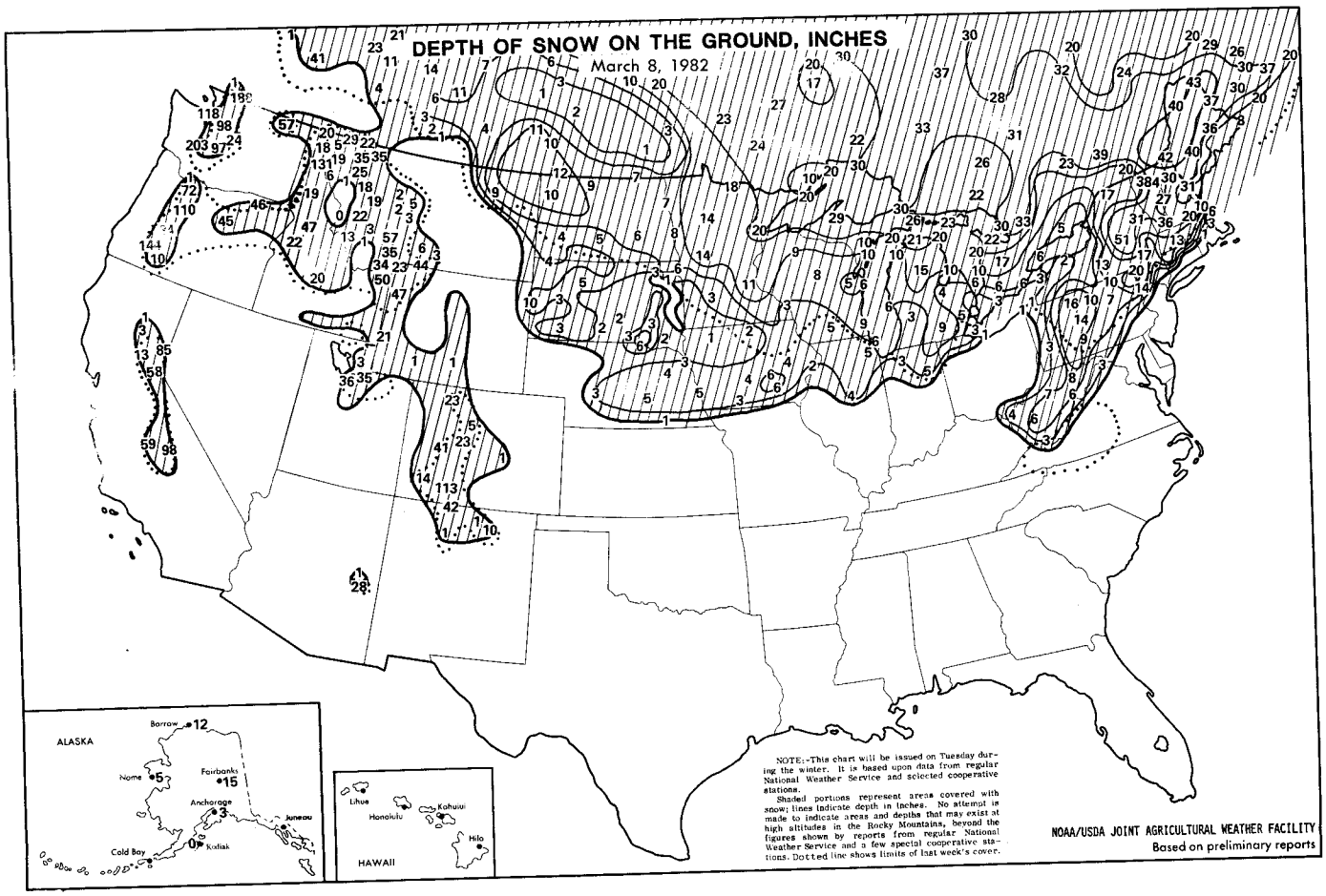
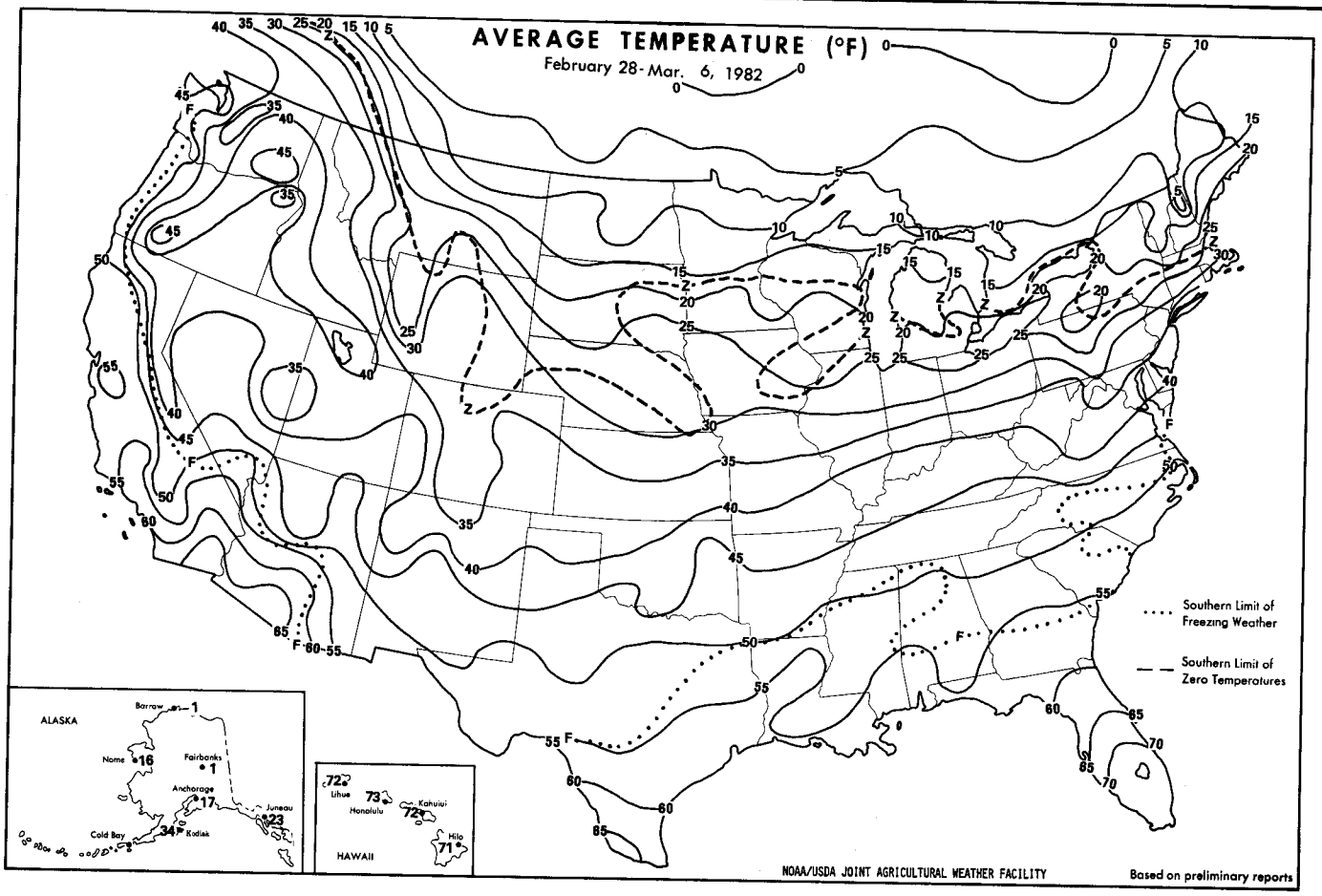
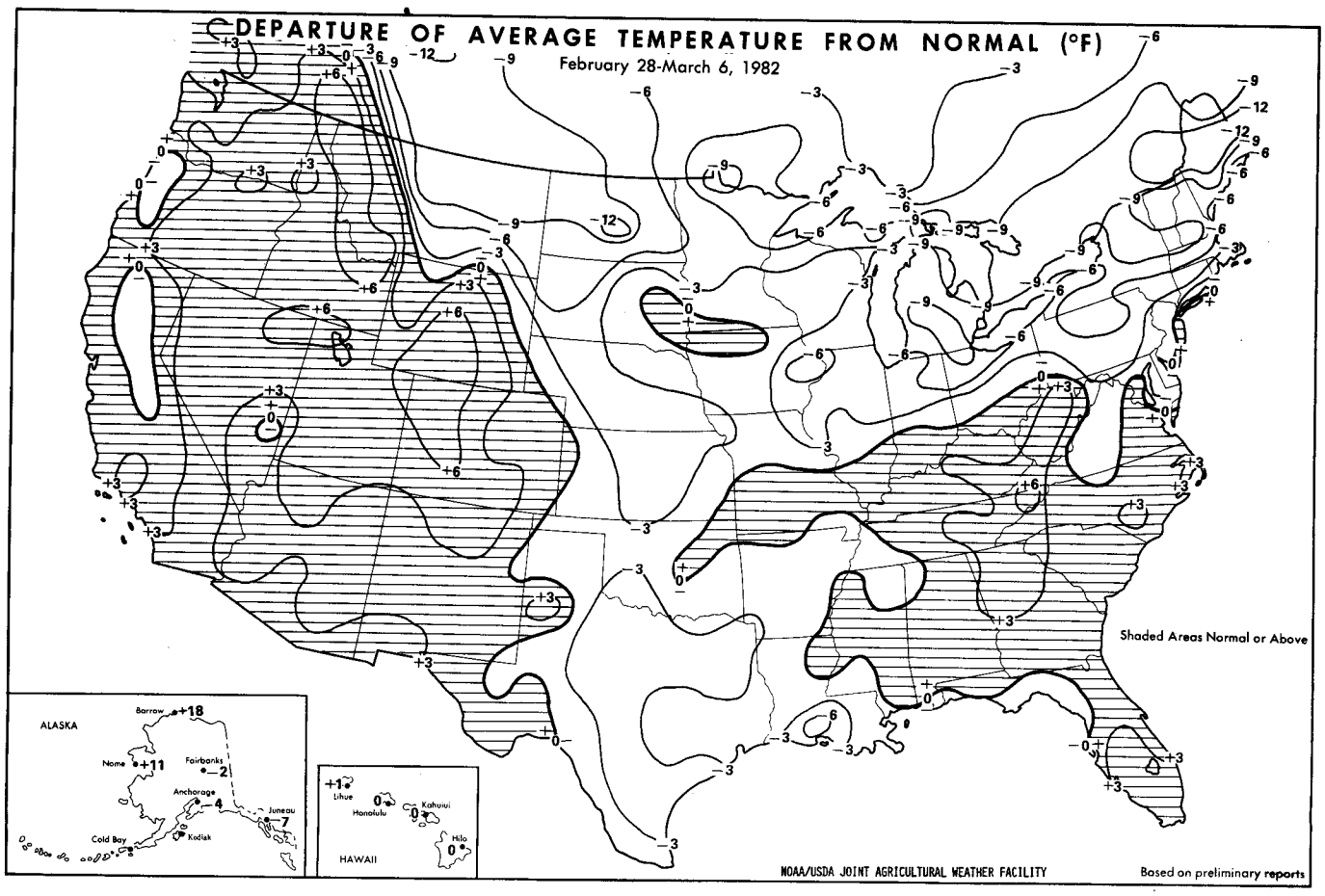

TOTAL PRECIPITATION, INCHES
February 28- Mar. 6, 1982
No Measurable Precipitation
0.01 to 0.3 inch
0.3 to 0.8 inch
0.8 to 2 inches
Over 2 inches
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPTH OF SNOW ON THE GROUND, INCHES
March 8, 1982
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOTE:-This chart will be issued on Tuesday during the winter. It is based upon data from regular National Weather Service and selected cooperative stations.
Shaded portions represent areas covered with snow; lines indicate depth in inches. No attempt is made to indicate areas and depths that may exist at high altitudes in the Rocky Mountains, beyond the figures shown by reports from regular National Weather Service and a few special cooperative stations. Dotted line shows limits of last week's cover.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


AVERAGE TEMPERATURE (°F)
February 28-Mar. 6, 1982
Southern Limit of Freezing Weather
Southern Limit of Zero Temperatures
ALASKA
Barrow 1
Nome 16
Fairbanks 1
Anchorage 17
Juneau 23
Cold Bay 34
Kodiak
HAWAII
Lihue 72
Honolulu 73
Kahului 72
Hilo 71
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
February 28-March 6, 1982
Shaded Areas Normal or Above
ALASKA
Barrow +18
Nome +11
Fairbanks 2
Anchorage 4
Juneau 7
Cold Bay
Kodiak
HAWAII
Lihue +1
Honolulu 0
Kahului 0
Hilo 0
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Weather Data for the Week Ending Mar. 6, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	61	40	73	31	51	1	1.5	0	1.3	1.5	100	15.2	139	86	51	0	1	1	1
MOBILE	68	47	81	38	57	1	1.3	- .2	1.3	1.3	87	12.3	119	96	56	0	0	2	2
MONTGOMERY	64	44	75	35	54	0	2.5	1.2	1.6	2.5	192	17.3	192	90	58	0	0	2	2
AK ANCHORAGE	26	7	30	0	17	-4	T	- .1	T	0	0	.6	38	79	44	0	7	1	0
BARROW	6	-7	20	-18	-1	18	T	0	T	0	+100	.6	100	84	69	0	7	1	0
FAIRBANKS	15	-13	24	-20	1	-2	T	- .1	T	0	0	.7	70	65	40	0	7	0	0
JUNEAU	30	15	36	3	23	-7	.4	- .4	.3	.4	50	4.7	60	85	47	0	6	2	0
KODIAK	40	28	44	20	34	2	T	- .9	T	0	0	11.3	109	83	56	0	6	2	0
NOME	23	9	31	0	16	11	.2	- .1	.1	.2	67	3.3	174	79	56	0	7	4	0
AZ PHOENIX	74	51	79	44	63	6	T	- .2	T	0	0	1.5	107	63	18	0	0	1	0
PRESCOTT	58	31	65	22	44	2	T	- .3	T	0	0	3.0	88	82	24	0	5	1	0
TUCSON	71	44	81	31	58	2	T	- .2	T	0	0	1.7	94	59	18	0	1	1	0
YUMA	77	53	85	48	65	3	T	- .1	T	0	0	.3	43	49	17	0	0	1	0
AR FORT SMITH	57	33	71	26	45	-2	.8	- .1	.5	.8	89	6.3	98	94	47	0	4	2	0
LITTLE ROCK	56	38	69	29	47	-1	.4	- .7	.3	.4	36	10.2	110	88	55	0	3	3	0
CA BAKERSFIELD	68	49	74	44	58	3	.1	- .1	.1	.1	50	1.3	62	77	40	0	0	2	0
EUREKA	59	42	64	37	50	2	2.4	1.2	1.2	2.4	200	12.5	95	92	55	0	0	5	2
FRESNO	62	42	68	35	52	0	.4	- .1	.3	.4	80	3.0	81	95	48	0	0	2	0
LOS ANGELES	66	50	74	45	58	2	.4	- .1	.3	.4	80	3.8	76	81	48	0	0	2	0
RED BLUFF	60	43	65	35	52	0	1.7	1.0	.8	1.7	243	7.2	91	90	50	0	0	5	2
SACRAMENTO	61	43	65	39	52	-1	1.5	.8	.8	1.5	214	9.4	129	89	51	0	0	2	2
SAN DIEGO	69	54	76	50	62	4	T	- .3	T	0	0	3.4	92	78	44	0	0	1	0
SAN FRANCISCO	60	46	64	40	53	1	1.1	.5	.7	1.1	183	12.8	168	88	56	0	0	3	1
CO DENVER	49	26	66	18	37	3	.2	0	.1	.2	100	.6	46	81	40	0	7	3	0
GRAND JUNCTION	53	35	62	27	44	6	.4	.3	.2	.4	400	1.2	86	88	41	0	2	4	0
PUEBLO	52	27	71	12	40	3	.1	- .1	T	.1	50	.7	78	82	43	0	6	2	0
CT BRIDGEPORT	41	26	51	14	33	-1	.3	- .5	.2	.3	38	7.7	126	78	34	0	6	3	0
HARTFORD	37	19	48	9	28	-3	.3	- .5	.2	.3	38	7.4	109	74	34	0	7	2	0
DC WASHINGTON	48	33	58	29	41	0	.1	- .7	T	.1	13	5.7	102	85	40	0	2	2	0
FL APALACHICOLA	64	48	70	38	56	-2	3.7	2.7	3.5	3.7	370	10.5	138	93	68	0	0	2	1
DAYTONA BEACH	71	53	81	45	62	1	1.7	.9	1.2	1.7	213	6.1	109	90	63	0	0	4	1
JACKSONVILLE	72	48	83	38	60	1	2.4	1.5	1.3	2.4	267	7.1	99	98	56	0	0	2	2
KEY WEST	79	70	85	65	74	1	1.0	.6	1.0	1.0	250	3.1	82	89	68	0	0	2	1
MIAMI	81	65	87	56	73	3	1.1	.6	.6	1.1	220	2.4	53	91	55	0	0	4	1
ORLANDO	78	56	86	47	67	4	1.1	.3	.9	1.1	138	3.9	68	94	50	0	0	2	1
TALLAHASSEE	68	45	78	30	56	-1	1.9	.5	1.5	1.9	136	11.1	117	97	58	0	1	2	1
TAMPA	73	56	79	45	64	1	1.5	.6	.8	1.5	167	5.5	92	98	62	0	0	5	2
WEST PALM BEACH	80	62	86	54	71	3	2.3	1.6	2.1	2.3	329	5.9	104	90	53	0	0	3	1
GA ATLANTA	64	42	76	33	53	5	.6	- .7	.6	.6	46	12.3	127	88	46	0	0	1	1
AUGUSTA	64	38	73	25	51	0	.2	- .9	.2	.2	18	7.8	100	96	46	0	2	1	0
MACON	67	44	77	32	55	2	.7	- .5	.7	.7	58	10.8	124	98	52	0	1	1	1
SAVANNAH	66	46	78	31	56	1	.7	- .3	.5	.7	70	7.2	111	87	50	0	1	2	1
HI HILO	76	66	80	64	71	0	5.3	2.0	2.5	5.3	161	19.6	82	93	69	0	0	5	5
HONOLULU	80	65	84	63	73	0	0	- .7	0	0	0	14.8	208	79	51	0	0	0	0
KAHULUI	80	64	84	57	72	0	T	- .7	T	0	0	10.4	158	82	55	0	0	2	0
LIHUE	78	65	81	60	72	1	1.2	.1	.8	1.2	109	20.2	184	85	60	0	0	3	1
ID BOISE	50	33	58	26	42	3	.4	.1	.2	.4	133	3.7	123	86	46	0	3	4	0
LEWISTON	51	35	52	31	43	2	.2	0	.1	.2	100	2.5	114	89	57	0	2	3	0
POCATELLO	46	29	54	24	37	5	.4	.2	.3	.4	200	2.8	127	91	53	0	6	4	0
IL CHICAGO	34	17	45	4	26	-5	1.1	.7	.7	1.1	275	4.4	129	88	54	0	6	3	1
MOLINE	33	16	45	2	25	-5	.7	.3	.3	.7	175	3.2	110	83	56	0	7	4	0
PEORIA	37	21	53	11	29	-3	1.4	.9	.6	1.4	280	5.5	145	84	56	0	6	3	2
QUINCY	39	23	55	14	31	-5	.4	- .1	.3	.4	80	4.9	--	93	64	0	7	3	0
ROCKFORD	31	15	42	1	23	-6	1.1	.6	.7	1.1	220	2.9	85	85	54	0	7	3	1
SPRINGFIELD	40	24	55	19	32	-2	.9	.4	.5	.9	180	7.4	200	90	67	0	7	3	0
IN EVANSVILLE	52	33	67	29	42	2	.7	- .3	.3	.7	70	11.7	156	92	53	0	5	4	0
FORT WAYNE	33	18	39	11	25	-6	1.6	1.0	1.2	1.6	267	8.5	170	87	66	0	7	3	1
INDIANAPOLIS	45	26	54	23	35	0	.7	0	.4	.7	100	8.1	142	84	54	0	7	4	0
SOUTH BEND	33	16	40	9	25	-5	.9	.4	.6	.9	180	5.2	118	87	59	0	7	2	1
IA DES MOINES	36	18	54	-1	27	-1	1.0	.6	.5	1.0	250	4.4	176	77	51	0	7	4	0
SIOUX CITY	33	18	50	1	26	-2	.3	.1	.3	.3	150	2.4	120	86	61	0	7	2	0
WATERLOO	29	16	40	3	23	-3	.2	- .1	.1	.2	67	2.1	100	83	58	0	7	2	0
KS CONCORDIA	42	22	68	8	32	-3	.2	- .1	.2	.2	67	1.4	82	88	62	0	6	2	0
DODGE CITY	47	25	75	15	36	-2	T	- .2	T	0	0	1.5	136	93	53	0	6	1	0
GOODLAND	46	24	70	15	35	2	.1	- .1	T	.1	50	.9	113	84	44	0	6	2	0
TOPEKA	45	26	67	15	36	-1	.1	- .3	.1	.1	25	2.5	104	86	61	0	6	2	0
WICHITA	48	27	67	15	37	-2	T	- .3	T	0	0	2.5	132	86	56	0	6	1	0
KY BOWLING GREEN	54	36	69	31	45	1	.7	- .4	.5	.7	64	9.4	88	93	56	0	2	3	0
LEXINGTON	51	33	64	29	42	3	.4	- .6	.2	.4	40	8.1	101	92	58	0	5	4	0
LOUISVILLE	52	31	68	28	42	2	.9	- .2	.7	.9	82	7.4	93	83	52	0	6	4	1
LA ALEXANDRIA	65	47	78	41	56	3	.8	- .3	.8	.8	73	10.1	--	73	50	0	0	1	1
BATON ROUGE	64	44	76	37	54	-3	1.7	.5	1.5	1.7	142	11.9	118	94	58	0	0	2	1
LAKE CHARLES	64	44	76	37	54	-3	.2	- .8	.2	.2	20	4.8	52	97	63	0	0	1	0
NEW ORLEANS	68	46	81	40	57	-1	.9	- .4	.9	.9	69	11.6	113	85	53	0	0	1	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Mar. 6, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	61	42	71	36	51	-2	.6	- .3	.4	.6	67	7.4	88	91	52	0	0	2	0
ME CARIBOU	23	1	40	-17	12	-6	.7	.2	.6	.7	140	5.5	122	72	43	0	7	2	1
PORTLAND	35	10	49	-3	22	-5	.7	- .2	.3	.7	78	8.4	114	87	34	0	7	4	0
MD BALTIMORE	46	29	56	20	38	-1	.1	- .7	.1	.1	13	7.4	119	84	38	0	5	3	0
SALISBURY	49	33	59	25	41	-1	1.9	1.0	1.0	1.9	211	10.4	142	97	52	0	4	3	2
MA BOSTON	38	21	51	10	30	-4	.8	- .1	.4	.8	89	8.2	103	76	32	0	6	5	0
CHATHAM	38	26	41	19	32	--	1.6	--	.8	1.6	--	9.7	--	80	49	0	6	4	1
MI ALPENA	25	-2	33	-15	11	-10	.5	.1	.3	.5	125	2.6	84	87	47	0	7	2	0
DETROIT	32	13	40	9	23	-8	.9	.4	.7	.9	180	5.4	135	91	57	0	7	3	1
FLINT	29	11	36	-1	20	-8	.4	- .1	.3	.4	80	2.5	69	96	63	0	7	3	0
GRAND RAPIDS	30	12	36	3	21	-8	.3	- .2	.2	.3	60	3.6	97	82	55	0	7	2	0
HOUGHTON LAKE	27	4	32	-12	16	-6	.5	.2	.5	.5	167	3.2	110	77	47	0	7	3	0
LANSING	29	9	36	-5	19	-9	.3	- .2	.2	.3	60	2.5	64	93	61	0	7	2	0
MARQUETTE	23	0	28	-13	12	-6	.2	- .2	.1	.2	50	4.4	122	97	52	0	7	4	0
MUSKEGON	28	11	34	-1	19	-9	.4	- .1	.4	.4	80	5.4	126	85	55	0	7	2	0
SAULT STE. MARIE	19	-3	26	-21	8	-11	.4	0	.2	.4	100	5.4	146	89	51	0	7	3	0
MN ALEXANDRIA	22	5	36	-4	14	-4	.1	- .1	T	.1	50	2.5	192	77	46	0	7	2	0
DULUTH	21	-2	33	-21	9	-8	T	- .3	T	0	0	2.4	114	71	37	0	7	1	0
INT'L FALLS	19	-4	31	-21	7	-6	.1	- .1	.1	.1	50	1.8	100	86	49	0	7	2	0
MINNEAPOLIS	27	13	41	6	20	-2	T	- .3	T	0	0	3.0	167	75	50	0	7	1	0
ROCHESTER	27	13	37	6	20	-2	T	- .2	T	0	0	1.8	129	84	60	0	7	1	0
MS GREENWOOD	60	41	71	34	51	0	.9	- .4	.7	.9	69	11.8	--	89	55	0	0	2	1
JACKSON	64	42	78	34	53	1	1.6	.3	1.6	1.6	123	11.3	116	94	52	0	0	2	1
MERIDIAN	67	43	79	33	55	3	.9	- .5	.9	.9	64	10.7	107	89	49	0	0	1	1
MO CAPE GIRARDEAU	53	32	66	25	43	0	.2	- .6	.1	.2	25	13.6	189	94	60	0	5	4	0
COLUMBIA	45	29	64	23	37	0	.4	- .1	.3	.4	80	4.9	136	89	56	0	5	2	0
KANSAS CITY	44	23	66	8	34	-3	.2	- .3	.2	.2	40	4.1	146	94	62	0	6	2	0
SAINT LOUIS	45	28	63	23	37	-2	.1	- .5	.1	.1	17	6.4	145	94	54	0	5	2	0
SPRINGFIELD	54	32	66	25	43	3	.2	- .4	.1	.2	33	5.0	125	88	50	0	5	5	0
MT BILLINGS	36	16	55	6	26	-4	.2	0	.1	.2	100	1.2	86	88	55	0	7	3	0
GLASGOW	17	1	22	-15	9	-11	.2	.2	.1	.2	+100	1.5	250	74	52	0	7	4	0
GREAT FALLS	29	8	44	-4	19	-10	.2	0	.1	.2	100	2.3	121	93	65	0	7	5	0
HAVRE	19	0	31	-11	10	-12	.2	.1	.1	.2	200	1.5	136	78	58	0	7	4	0
HELENA	41	22	51	14	32	4	.1	.1	.1	.1	50	1.5	150	79	46	0	7	3	0
KALISPELL	42	25	49	21	34	6	.3	.1	.3	.3	150	4.5	180	93	53	0	7	2	0
MILES CITY	28	10	44	-6	19	-7	.2	0	.2	.2	100	1.4	127	88	61	0	7	1	0
MISSOULA	45	30	47	25	37	7	.2	0	.1	.2	100	3.6	189	93	54	0	6	4	0
NE GRAND ISLAND	38	17	65	1	27	-4	.6	.4	.6	.6	300	1.9	119	89	57	0	7	1	1
LINCOLN	39	17	63	-5	28	-4	.5	.2	.5	.5	167	1.7	81	85	61	0	7	1	0
NORFOLK	36	16	60	2	26	-2	.4	.2	.3	.4	200	2.4	150	84	59	0	7	2	0
NORTH PLATTE	40	15	71	2	27	-3	.6	.5	.6	.6	600	.9	100	94	52	0	7	3	1
OMAHA	34	19	59	4	27	-3	.3	0	.2	.3	100	1.8	90	86	71	0	6	3	0
SCOTTSBLUFF	44	18	66	2	31	-1	.1	0	.1	.1	100	.6	67	84	45	0	7	3	0
VALENTINE	35	15	66	-2	25	-2	.3	.1	.2	.3	150	.8	89	78	50	0	7	2	0
NV ELY	45	22	54	13	33	3	.2	0	.2	.2	100	1.7	131	90	40	0	7	3	0
LAS VEGAS	65	43	71	37	54	2	T	- .1	T	0	0	1.2	133	53	20	0	0	0	0
RENO	52	30	65	21	41	2	.4	.2	.4	.4	200	2.0	91	80	31	0	4	3	0
WINNEMUCCA	51	29	59	17	40	4	.1	- .1	T	.1	50	.6	30	81	33	0	5	4	0
NH CONCORD	32	5	45	-10	18	-9	.3	- .3	.2	.3	50	7.3	130	85	35	0	7	3	0
NJ ATLANTIC CITY	49	27	58	19	38	1	1.0	0	.6	1.0	100	7.0	92	97	47	0	4	2	1
NM ALBUQUERQUE	58	32	66	19	45	2	.2	.1	.2	.2	200	.7	100	81	25	0	4	2	0
CLOVIS	58	31	69	19	44	1	T	- .1	T	0	0	.7	--	81	29	0	3	1	0
ROSWELL	64	35	73	21	50	2	.1	- .1	.1	.1	50	.9	82	68	19	0	3	1	0
NY ALBANY	31	10	38	-1	21	-7	.3	- .3	.2	.3	50	5.5	120	84	44	0	7	4	0
BINGHAMTON	32	11	38	-1	21	-5	.2	- .4	.2	.2	33	5.9	118	86	42	0	7	4	0
BUFFALO	33	13	42	6	23	-4	.6	0	.6	.6	100	8.8	154	90	49	0	7	4	1
NEW YORK	41	29	50	23	35	-1	.8	- .1	.5	.8	89	7.6	117	77	35	0	5	2	1
ROCHESTER	35	15	44	9	25	-3	.3	- .3	.2	.3	50	5.6	106	83	55	0	7	4	0
SYRACUSE	34	11	41	-6	22	-6	.9	.2	.6	.9	129	5.8	97	90	50	0	7	5	1
NC ASHEVILLE	58	35	75	27	47	4	.4	- .6	.4	.4	40	10.8	140	100	59	0	2	1	0
CHARLOTTE	58	38	75	31	48	1	.1	- .9	.1	.1	10	9.4	118	95	55	0	1	3	0
GREENSBORO	54	35	73	32	45	1	.4	- .4	.3	.4	50	8.1	113	91	55	0	1	3	0
HATTERAS	58	43	71	40	51	3	3.0	2.1	2.9	3.0	333	15.8	178	96	70	0	0	4	1
NEW BERN	64	42	81	37	53	2	1.8	.9	1.6	1.8	200	13.2	159	90	58	0	0	3	1
RALEIGH	58	38	75	33	48	3	.7	- .1	.7	.7	88	10.9	151	85	47	0	0	3	1
WILMINGTON	64	42	81	34	53	2	.5	- .5	.5	.5	50	12.7	176	91	53	0	0	2	0
ND BISMARCK	17	-3	27	-8	7	-12	.1	0	.1	.1	100	1.1	110	92	64	0	7	3	0
FARGO	18	1	31	-5	10	-8	T	- .1	T	0	0	1.9	211	82	55	0	7	1	0
GRAND FORKS	20	4	32	-2	12	-3	T	- .1	T	0	0	1.9	211	90	62	0	7	0	0
WILLISTON	19	1	29	-10	10	-9	.4	.4	.3	.4	+100	2.2	169	78	55	0	7	4	0
OH AKRON-CANTON	39	18	50	5	29	-3	1.0	.4	.6	1.0	167	7.0	137	81	51	0	7	3	1
CINCINNATI	46	27	58	20	37	-1	.9	0	.7	.9	100	9.0	129	88	56	0	7	4	1
CLEVELAND	37	18	48	10	27	-4	1.1	.5	.6	1.1	183	6.5	125	83	57	0	7	3	1
COLUMBUS	44	24	59	18	34	0	.7	0	.4	.7	100	6.8	124	88	50	0	7	4	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Mar. 6, 1982

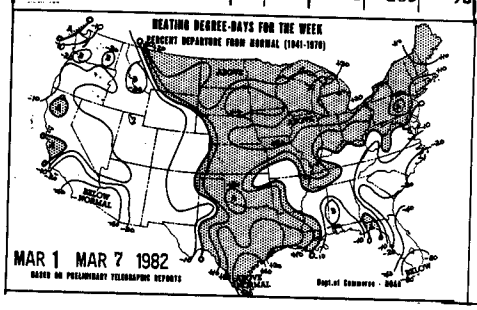
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	43	22	56	15	32	-2	.9	.2	.5	.9	129	9.0	158	90	59	0	7	4	0
TOLEDO	31	13	40	5	22	-8	1.3	.8	.9	1.3	260	6.0	146	94	68	0	7	3	1
YOUNGSTOWN	36	17	45	4	26	-4	.9	.2	.6	.9	129	6.5	112	87	55	0	7	2	1
OK OKLAHOMA CITY	54	33	70	20	44	-1	T	- .3	T	0	0	4.7	188	80	44	0	4	1	0
TULSA	59	36	75	24	48	3	T	- .5	T	0	0	4.3	123	85	46	0	2	2	0
OR ASTORIA	53	40	58	33	47	2	2.2	.5	.8	2.2	129	26.8	146	89	61	0	0	5	3
BURNS	45	28	50	21	37	3	.2	- .1	.1	.2	67	2.8	90	84	56	0	6	3	0
MEDFORD	57	34	60	26	46	2	.4	0	.4	.4	100	5.2	88	94	45	0	3	1	0
PENDLETON	53	35	58	30	44	2	.6	.3	.3	.6	200	2.8	100	84	54	0	2	5	0
PORTLAND	56	39	60	31	48	3	.7	- .2	.4	.7	78	12.9	126	96	61	0	1	5	0
SALEM	52	35	55	25	43	-1	1.0	- .1	.5	1.0	91	12.8	106	95	64	0	2	5	1
PA ALLENTOWN	39	23	45	15	31	-2	.2	- .6	.2	.2	25	6.0	95	91	44	0	7	3	0
ERIE	34	16	45	8	25	-4	.6	.1	.3	.6	120	5.6	114	74	51	0	7	4	0
HARRISBURG	38	24	44	21	31	-6	.5	- .2	.2	.5	71	6.0	109	92	44	0	7	5	0
PHILADELPHIA	44	28	50	23	36	-2	.8	0	.4	.8	100	8.3	146	83	37	0	6	4	0
PITTSBURGH	42	21	53	12	32	-2	.8	.1	.6	.8	114	7.1	129	70	42	0	7	3	1
SCRANTON	35	15	39	3	25	-6	.3	- .2	.1	.3	60	5.4	129	73	47	0	7	3	0
RI PROVIDENCE	41	23	52	14	32	-1	1.6	.7	1.1	1.6	178	10.8	146	84	32	0	7	5	1
SC CHARLESTON	63	42	78	29	53	-1	.7	- .3	.7	.7	70	6.5	97	95	58	0	1	2	1
COLUMBIA	64	39	80	28	51	1	.1	- 1.0	.1	.1	9	8.2	104	95	50	0	2	2	0
FLORENCE	62	39	80	30	51	0	.2	- .6	.2	.2	25	9.4	142	90	51	0	2	1	0
GREENVILLE	59	39	76	32	49	1	.1	- 1.1	.1	.1	8	11.6	123	89	47	0	1	1	0
SD ABERDEEN	24	13	40	2	19	-2	--	--	--	--	--	--	--	82	59	0	7	-	-
HURON	32	18	47	9	25	2	.1	- .1	.1	.1	50	1.6	123	88	63	0	7	3	0
RAPID CITY	31	13	50	-2	22	-6	.2	0	.2	.2	100	1.0	83	88	59	0	7	1	0
SIOUX FALLS	33	17	50	7	25	1	.1	- .2	T	.1	33	1.0	53	85	56	0	7	2	0
TN CHATTANOOGA	58	38	71	30	48	2	.9	- .4	.9	.9	69	15.2	131	89	53	0	1	2	1
KNOXVILLE	58	40	69	32	49	3	1.2	0	.9	1.2	100	12.8	125	92	58	0	1	4	1
MEMPHIS	55	39	66	29	47	0	.6	- .6	.5	.6	50	11.4	110	85	54	0	2	2	0
NASHVILLE	56	36	70	30	46	2	.3	- .8	.2	.3	27	11.7	118	90	51	0	3	3	0
TX ABILENE	63	37	82	23	50	-1	T	- .2	T	0	0	2.2	105	80	36	0	2	0	0
AMARILLO	56	25	75	9	40	-2	.1	0	.1	.1	100	.7	70	85	35	0	5	1	0
AUSTIN	66	44	78	36	55	-1	.1	- .5	.1	.1	17	1.7	33	86	46	0	0	1	0
BEAUMONT	68	47	79	39	57	0	.3	- .5	.3	.3	38	5.7	65	92	57	0	0	2	0
BROWNSVILLE	76	50	86	37	63	-2	T	- .2	T	0	0	.8	28	93	51	0	0	0	0
CORPUS CHRISTI	68	48	77	40	58	-4	T	- .3	T	0	0	6.3	166	97	58	0	0	0	0
DEL RIO	72	46	84	35	59	0	0	- .2	0	0	0	2.6	137	82	46	0	0	0	0
EL PASO	68	40	73	25	54	3	0	- .1	0	0	0	.8	89	64	19	0	1	0	0
FORT WORTH	60	38	84	31	49	-3	.3	- .2	.3	.3	60	4.7	107	86	47	0	1	1	0
GALVESTON	63	51	71	42	57	-1	.5	- .2	.5	.5	71	8.1	140	89	61	0	0	1	0
HOUSTON	67	45	82	34	56	-2	.3	- .4	.3	.3	43	3.7	49	95	55	0	0	1	0
LUBBOCK	65	33	73	17	49	3	T	- .2	T	0	0	.5	45	78	25	0	3	0	0
MIDLAND	67	35	78	19	51	0	0	- .1	0	0	0	.6	55	78	26	0	3	0	0
SAN ANGELO	64	36	81	27	50	-3	T	- .1	T	0	0	2.7	142	87	37	0	3	0	0
SAN ANTONIO	68	39	79	31	54	-4	T	- .4	T	0	0	1.9	49	93	43	0	2	1	0
VICTORIA	67	44	75	33	56	-4	T	- .4	T	0	0	5.8	135	92	54	0	0	1	0
WACO	62	40	79	32	51	-3	.1	- .5	T	.1	17	3.4	72	92	50	0	1	2	0
WICHITA FALLS	58	31	75	19	44	-4	T	- .3	T	0	0	2.2	96	93	48	0	4	1	0
UT BLANDING	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
CEDAR CITY	51	30	61	22	41	5	.3	.1	.2	.3	150	3.9	229	74	30	0	4	4	0
SALT LAKE CITY	49	34	60	30	42	5	.9	.6	.5	.9	300	2.6	96	82	47	0	4	4	0
VT BURLINGTON	28	7	38	-5	17	-6	.2	- .2	.1	.2	50	4.5	118	95	47	0	7	3	0
VA NORFOLK	56	37	70	33	46	2	1.4	.6	1.2	1.4	175	10.5	148	87	51	0	0	4	1
RICHMOND	54	34	73	25	44	1	.5	- .3	.3	.5	63	7.8	122	89	46	0	2	3	0
ROANOKE	49	29	67	20	39	-2	.1	- .7	.1	.1	13	8.7	138	95	50	0	5	4	0
WA COLVILLE	47	31	51	23	39	4	1.2	.9	1.0	1.2	400	5.3	143	--	--	0	2	3	1
QUILLAYUTE	50	34	55	27	42	0	3.8	1.1	1.6	3.8	141	42.8	153	98	70	0	2	4	3
SEATTLE-TACOMA	52	39	60	34	45	2	1.3	.4	.5	1.3	144	13.7	129	86	54	0	0	5	0
SPOKANE	49	32	55	24	40	5	.6	.3	.6	.6	200	3.9	91	89	53	0	4	2	1
YAKIMA	54	32	58	26	43	3	.3	.2	.2	.3	300	2.1	95	86	46	0	4	2	0
WV BECKLEY	48	31	57	28	40	4	.2	- .7	.2	.2	22	6.0	79	93	61	0	6	3	0
CHARLESTON	54	32	69	30	43	3	.5	- .4	.3	.5	56	7.5	104	90	52	0	4	4	0
HUNTINGTON	51	31	67	26	41	1	.5	- .4	.3	.5	56	7.4	110	83	49	0	5	4	0
PARKERSBURG	50	27	63	24	39	1	.8	- .1	.3	.8	89	4.8	63	77	44	0	6	5	0
WI GREEN BAY	27	10	36	2	19	-4	T	- .2	T	0	0	1.5	63	86	57	0	7	1	0
LA CROSSE	29	15	37	8	22	-3	T	- .3	T	0	0	1.5	71	90	55	0	7	0	0
MADISON	30	10	40	-7	20	-4	.5	.2	.4	.5	167	2.1	91	90	56	0	7	2	0
MILWAUKEE	29	16	38	1	23	-4	1.0	.7	.9	1.0	333	4.1	137	78	49	0	7	2	1
WAUSAU	29	10	34	-1	20	-1	T	- .3	T	0	0	1.9	73	87	46	0	7	0	0
WY CASPER	46	21	59	1	34	5	.1	0	.1	.1	100	1.3	130	83	37	0	6	2	0
CHEYENNE	45	22	57	-1	34	3	.1	- .1	T	.1	50	.7	64	85	42	0	6	3	0
LANDER	47	22	61	10	34	6	.2	0	.2	.2	100	.9	64	73	27	0	7	2	0
SHERIDAN	42	19	55	0	30	2	.2	0	.2	.2	100	1.1	69	84	48	0	7	2	0
PR SAN JUAN	84	71	86	69	78	2	.9	.4	.6	.9	180	9.6	150	91	64	0	0	3	1

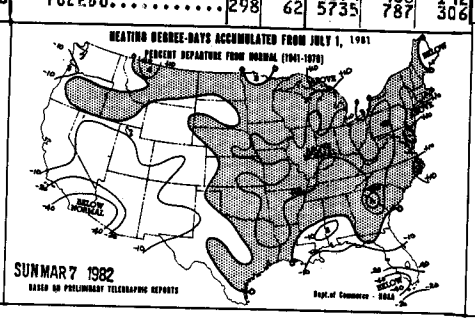
BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

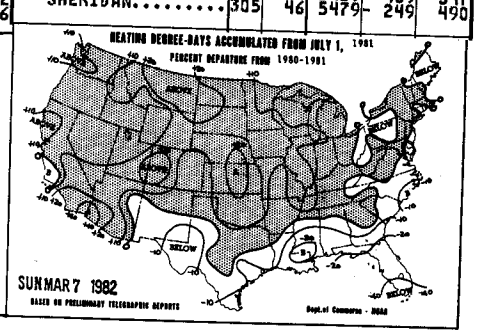
HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 7, 1982.

BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1981.

STATES AND STATIONS	WEEKLY TOTAL	WEEKLY DEPARTURE*	SEASONAL ACCUMULATION + TOTAL	SEASONAL ACCUMULATION + DEPARTURE*	SEASONAL ACCUMULATION + DEPARTURE FROM 1980-81
ALA. BIRMINGHAM	103	-6	2455	-27	-108
MOBILE	57	-9	1445	-44	-207
MONTGOMERY	81	-5	1962	-10	-207
ARIZ. FLAGSTAFF	213	-18	4591	-639	-524
PHOENIX	25	-29	777	-584	-179
TUCSON	54	-14	1221	-275	-120
WINSLOW	132	-27	3333	-447	-13
YUMA	9	-22	558	-357	-197
ARK. FORT SMITH	149	19	3171	325	289
LITTLE ROCK	125	-6	2921	66	150
CALIF. BAKERSFIELD	45	-25	1490	-337	0
EUREKA	106	-13	2970	-169	-168
FRESNO	95	-5	2105	-49	-184
LOS ANGELES	44	-19	838	-395	-197
RED BLUFF	96	-5	2021	-102	-303
SAN DIEGO	24	-32	571	-498	-99
SAN FRANCISCO	85	-6	2125	-15	-191
STOCKTON	91	-6	2102	-124	-125
COLO. DENVER	203	-11	4061	-443	-343
GRAND JUNCTION	157	-33	4394	-106	-795
PUEBLO	188	-8	3835	-399	-235
CONN. BRIDGEPORT	226	10	4534	444	124
HARTFORD	257	20	4961	54	-137
DEL. WILMINGTON	212	21	4160	263	8
D.C. WASHINGTON	173	5	3518	93	338
FLA. APALACHICOLA	49	-5	1053	-157	-427
DAYTONA BEACH	25	-17	738	-61	-325
FORT MYERS	2	-18	217	-212	-270
JACKSONVILLE	33	-22	1086	-96	-338
KEY WEST	0	-1	50	-12	-122
LAKELAND	21	-9	547	-69	-310
MIAMI	2	-7	150	-48	-109
ORLANDO	11	-21	534	-124	-266
TALLAHASSEE	66	-6	1452	-50	-225
TAMPA	23	-8	565	-85	-320
WEST PALM BEACH	1	-13	251	-37	-87
GA. ATLANTA	81	-41	2699	96	134
AUGUSTA	87	-13	2652	451	226
MACON	64	-23	1987	30	-67
SAVANNAH	53	-22	1635	-73	-248
IDAHO. BOISE	167	-16	4554	108	365
LEWISTON	147	-21	4016	-174	384
POCATELLO	191	-36	5288	-19	236
ILL. CAIRO	176	24	3759	537	452
CHICAGO	287	49	5585	525	527
MOLINE	303	63	5712	625	622
PEORIA	268	39	5096	241	180
ROCKFORD	310	58	5826	453	488
SPRINGFIELD	244	32	5003	534	545
IND. EVANSVILLE	171	-6	3992	202	148
FORT WAYNE	280	49	5481	635	470
INDIANAPOLIS	218	8	4924	478	293
SOUTH BEND	286	46	5451	455	783
IOWA. BURLINGTON	294	63	5517	612	602
DES MOINES	292	39	5544	222	703
DUBUQUE	324	58	6204	499	814
SIOUX CITY	303	45	6006	477	867
KANS. CONCORDIA	251	42	4733	257	761
DODGE CITY	215	24	4093	74	637
GOODLAND	223	1	4522	-169	363
TOPEKA	217	21	4530	296	488
WICHITA	203	25	4252	430	781
KY. LEXINGTON	173	-8	4086	265	53
LOUISVILLE	186	7	3964	197	297
LA. BATON ROUGE	75	11	1371	-122	-405
LAKE CHARLES	74	14	1417	-85	-254
NEW ORLEANS	58	0	1166	-140	-223
SHREVEPORT	99	15	2175	285	93
MAINE. CARIBOU	341	16	7185	4	-16
PORTLAND	285	22	5705	129	15
MD. BALTIMORE	194	10	4123	348	202
MASS. BOSTON	238	23	4635	370	1
MICH. ALPENA	362	59	6440	174	184
DETROIT	302	63	5612	667	236
FLINT	327	68	5951	599	336
GRAND RAPIDS	314	58	5551	352	216
HOUGHTON LAKE	356	54	6436	176	104
LANSING	334	75	5887	600	287
MARQUETTE	372	40	7395	301	307
MUSKEGON	331	74	5672	497	246
S. STE. MARIE	394	74	7426	684	61
MINN. DULUTH	415	85	7782	453	476
INTERNATL FALLS	433	76	8085	-9	247
MINNEAPOLIS	338	40	6683	297	748
ROCHESTER	325	25	6831	442	794
ST. CLOUD	360	43	7044	143	594
MISS. JACKSON	88	-3	1997	-1	-341
MERIDIAN	72	-19	1869	-212	-275
MO. COLUMBIA	213	20	4473	374	253
KANSAS CITY	240	40	4742	416	566
ST. LOUIS	208	25	4397	531	613
SPRINGFIELD	166	-9	3941	232	340
MONT. BILLINGS	281	35	5470	39	1085
GLASGOW	390	75	7186	297	1544
GREAT FALLS	332	73	6205	541	1204
HAVRE	373	70	6956	368	1449
HELENA	234	-25	5830	-289	496
KALISPELL	219	-43	6392	-22	885
MILES CITY	316	42	6329	241	1316
MISSOULA	188	-54	5929	-30	704
NEBR. GRAND ISLAND	286	51	5537	482	990
LINCOLN	278	48	5319	362	760
NORFOLK	297	38	5705	299	892
NORTH PLATTE	282	42	5293	87	578
OMAHA	290	62	5610	757	561
VALENTINE	298	34	5805	211	791
NEV. ELY	227	-15	5038	-598	48
LAS VEGAS	81	-8	1849	-381	272
RENO	175	-7	4060	-359	140
WINNEMUCCA	180	-23	4353	-525	86
N.H. CONCORD	304	42	6130	519	90
N.J. ATLANTIC CITY	183	-10	4119	260	-448
TRENTON	213	19	4315	431	194
N.MEX. ALBUQUERQUE	149	-6	3318	-194	-6
ROSWELL	122	-9	2583	-553	-290
N.Y. ALBANY	300	43	5929	593	245
BINGHAMTON	299	31	5801	297	-10
BUFFALO	292	32	5504	322	339
NEW YORK	206	8	4085	278	-108
ROCHESTER	275	19	5601	515	290
SYRACUSE	290	36	5506	437	115
N.C. ASHEVILLE	129	-29	3588	178	114
CHARLOTTE	112	-17	2997	-290	-7
GREENSBORO	139	-11	3469	300	121
HATTERAS	90	-32	2441	281	-171
RALEIGH	117	-22	3086	163	-54
WILMINGTON	67	-34	2205	129	-379
N.DAK. BISMARCK	408	87	7244	237	1234
FARGO	405	73	7679	453	896
WILLISTON	383	63	7227	153	1210
OHIO. AKRON-CANTON	261	28	4972	170	20
CINCINNATI	208	14	4651	597	133
CLEVELAND	266	33	5133	421	60
COLUMBUS	226	14	4939	432	369
DAYTON	235	22	4894	438	142
TOLEDO	298	62	5735	787	306
YOUNGSTOWN	270	30	5317	388	-118
OKLA. OKLAHOMA CITY	156	12	3267	176	374
TULSA	133	-11	3251	159	368
OREG. ASTORIA	122	-25	3234	-404	290
BURNS	164	-24	5782	479	441
MEDFORD	140	-12	3480	188	143
PENDLETON	146	-15	3897	134	81
PORTLAND	115	-28	3087	426	202
SALEM	146	-1	3514	13	225
PA. ALLENTOWN	239	20	4896	348	418
ERIE	277	23	5090	2	-113
HARRISBURG	238	40	4503	323	-154
PHILADELPHIA	208	19	4265	416	98
PITTSBURGH	242	21	5128	482	139
SCRANTON	270	35	5179	302	129
R.I. PROVIDENCE	228	4	4851	352	69
S.C. CHARLESTON	73	-14	2028	169	-37
COLUMBIA	90	-14	2452	185	-171
GREENVILLE	111	-14	3015	350	86
S.DAK. ABERDEEN	333	27	6786	55	902
HURON	298	6	6305	-5	708
RAPID CITY	312	53	5650	180	942
SIOUX FALLS	301	19	6270	126	651
TENN. CHATTANOOGA	124	-10	3116	176	25
KNOXVILLE	118	-17	3162	253	-184
MEMPHIS	136	8	2914	169	474
NASHVILLE	146	2	3290	195	115
TEXAS. ABILENE	109	10	2135	-105	3
AMARILLO	183	25	3370	-4	67
AUSTIN	76	6	1367	-169	-158
BEAUMONT	63	3	1375	-32	-77
BROWNSVILLE	45	-17	539	-52	-100
CORPUS CHRISTI	57	-20	860	-13	-165
DEL RIO	53	-2	1297	-98	-62
EL PASO	82	-12	2120	-235	-139
FORT WORTH	110	-16	2182	-129	-101
GALVESTON	56	0	1137	-64	-160
HOUSTON	75	-18	1296	-17	-96
LUBBOCK	118	-18	2726	-228	-32
MIDLAND	102	-3	2143	-130	-359
SAN ANGELO	104	-22	2121	-160	-108
SAN ANTONIO	82	-23	1474	-70	-37
VICTORIA	71	-22	1171	-69	-77
WACO	103	-22	1910	-107	-25
WICHITA FALLS	147	-33	2696	-212	-344
UTAH. SALT LAKE CITY	163	-35	4139	-456	113
VT. BURLINGTON	319	31	6265	268	-9
VA. LYNCHBURG	162	-3	3840	392	232
NORFOLK	127	-17	3047	-226	-50
RICHMOND	143	-12	3426	-191	-54
ROANOKE	178	14	4012	536	360
WASH. QUILLAYUTE	161	0	4025	-73	435
SEATTLE-TACOMA	139	-15	3466	-256	268
SPOKANE	174	-32	4953	-200	236
WALLA WALLA	119	-31	3467	-323	-1
YAKIMA	151	-27	4596	-74	723
W. VA. BECKLEY	174	-29	4648	270	70
CHARLESTON	165	-9	4012	-300	-21
HUNTINGTON	183	-7	4103	371	118
PARKERSBURG	189	-5	4217	349	-61
WIS. GREEN BAY	334	41	6566	368	415
LACROSSE	314	37	6274	422	577
MADISON	328	48	6362	391	604
MILWAUKEE	310	42	6193	570	604
WYO. CASPER	224	-33	5419	-135	541
CHEYENNE	229	-16	5019	-227	505
LANDER	219	-37	5419	-469	347
SHERIDAN	305	-46	5479	-249	490







February Weather and Crop Summary

MARCH 1-7, 1982

WEATHER

HIGHLIGHTS: Very cold weather during the first half of the month broke cold temperature records in the central Plains and in parts of the Midwest. Wichita, Kan., had a record cold morning during the first week with -21°, and Indianapolis, Ind., followed the next week with a record -22°. Snow cover extended southward into northern Texas during this period and helped protect winter grain from the frigid weather. Precipitation was heavy in the Northwest and the Southeast and was above normal throughout much of the Southwest. A warming trend began during midmonth, and melting snow, combined with local rain, resulted in stream flooding in many areas. Precipitation throughout much of the Plains, the central Plateau and Rockies, and the Midwest fell well below normal for the month.

FIRST WEEK...Successive outbreaks of very cold air moved into the northern Plains and spread over most of the Nation, while storm systems moved from the southern Rockies eastward and then northeastward, spreading warmer moist air. Early in the week, the snowline pushed southward throughout the central Plains and protected most of the winter grain with snow cover. Record cold temperatures were measured throughout the Plains and Rockies while mild weather covered the east coast. Freezing weather pushed across the mountains into the Central Valley of California and southward into the lower Rio Grande Valley of Texas and the Mississippi Delta. Precipitation was moderate to heavy from the Southeastern States to New England. The heaviest rain fell from southern Alabama to northern Georgia.

SECOND WEEK...The cold weather persisted and spread over nearly all of the United States. The only areas that were warmer than normal were Florida and the extreme Southwest. Parts of the central Plains and Midwest averaged 18 to 21° colder than normal. Ample snow cover over most winter grains protected fields from the severe cold. Precipitation spread over the West, and moderate rain or snow fell in southern California and Arizona. Freezing rain or sleet covered the area from Arkansas to the upper Ohio Valley, and heavy rainshowers and a few thunderstorms kept much of the Southeast wet. At the end of the week, a warming trend began in the Southwest and was pushing northward and eastward.

THIRD WEEK...Temperatures warmed dramatically over the entire Nation. Billings, Mont., reached a high of 62° at midweek, and the average temperature for the week was 21° warmer than normal. Melting snow in many areas combined with rain to cause flooding. Moderate rain with the snowmelt in Idaho and Nevada caused some serious flooding. Heavy downpours with thunderstorms flooded some areas from southeastern Texas to the lower Mississippi Delta region. Moderate rains extended through the Southeast and to the mid-Atlantic States. A mixture of freezing rain, sleet, and snow plagued the area from the upper Ohio Valley and the mid-Atlantic States into central New York.

FOURTH WEEK...Rain and melting snow in the Pacific Northwest continued the flooding in that area, but cooler weather and only light rain after midweek slowed the runoff and caused stream levels to fall. Precipitation fell throughout much of Texas and southern Oklahoma where fields had become too dry for the growing winter wheat. Some deluges of rain fell again along the southeastern coast of Texas, and moderate rain extended to the mid-Atlantic States. Drying in southern Georgia and northern Florida early in the week allowed some fieldwork to begin after being long delayed because of wet weather.

WINTER WHEAT

Winter wheat was in fair to good condition in all regions of the Nation at the beginning of March. Frigid temperatures dominated the weather during the first half of February in winter grain areas. Snowcover extended southward into Texas during this cold period and helped protect crops from the extremely cold weather. Above-normal temperatures in late February melted much of the remaining snowcover in northern areas and promoted early spring growth in southern areas. The crop was greening as far north as Kansas and southern areas of the Corn Belt. Across the South, farmers began fertilizing winter wheat fields.

Kansas winter wheat was in good condition on March 1. Moderate temperatures encouraged the crop to break dormancy in many areas of the State. Cattle were being moved back onto wheat pastures as field conditions permitted. Topsoil moisture supplies were mostly adequate. Winter wheat in Texas was in fair to good condition. At the end of February, scattered showers from the Low Plains through the Blacklands to the Coast provided much needed moisture for the crop. However, short moisture supplies persisted on the northern High Plains and Edwards Plateau. Spraying for greenbugs was active in the Low Plains and Cross-Timbers areas. In Arizona, wheat responded to rainfall and warmer weather. Earliest plantings were rapidly developing heads. Montana winter wheat was in fair to good condition. Wind damage was reported light.

FEBRUARY FIELDWORK

Frigid temperatures and widespread precipitation held outside activities to a minimum during most of February. Livestock producers were forced to feed large amounts of hay, forage, and feed grains and continually break ice on water supplies. However, mild temperatures at the end of the month melted much of the remaining snowcover in northern areas and encouraged growth of crops and pastures and early planting in southern areas. Wet fields persisted in the Southeast delaying spring fieldwork. However, by the end of the month, corn planting was underway in the extreme South from Texas to Georgia. Grain sorghum planting started in southern Texas during the last week of February. Tobacco growers prepared plantbeds and seeded the crop in many areas. Transplanting was underway in Florida on a limited basis. Cotton growers prepared land for planting. Deciduous fruit growers pruned and sprayed mature trees and set out new trees. Vegetable planting and harvesting activities centered in California, the Southwest, Texas, and Florida.

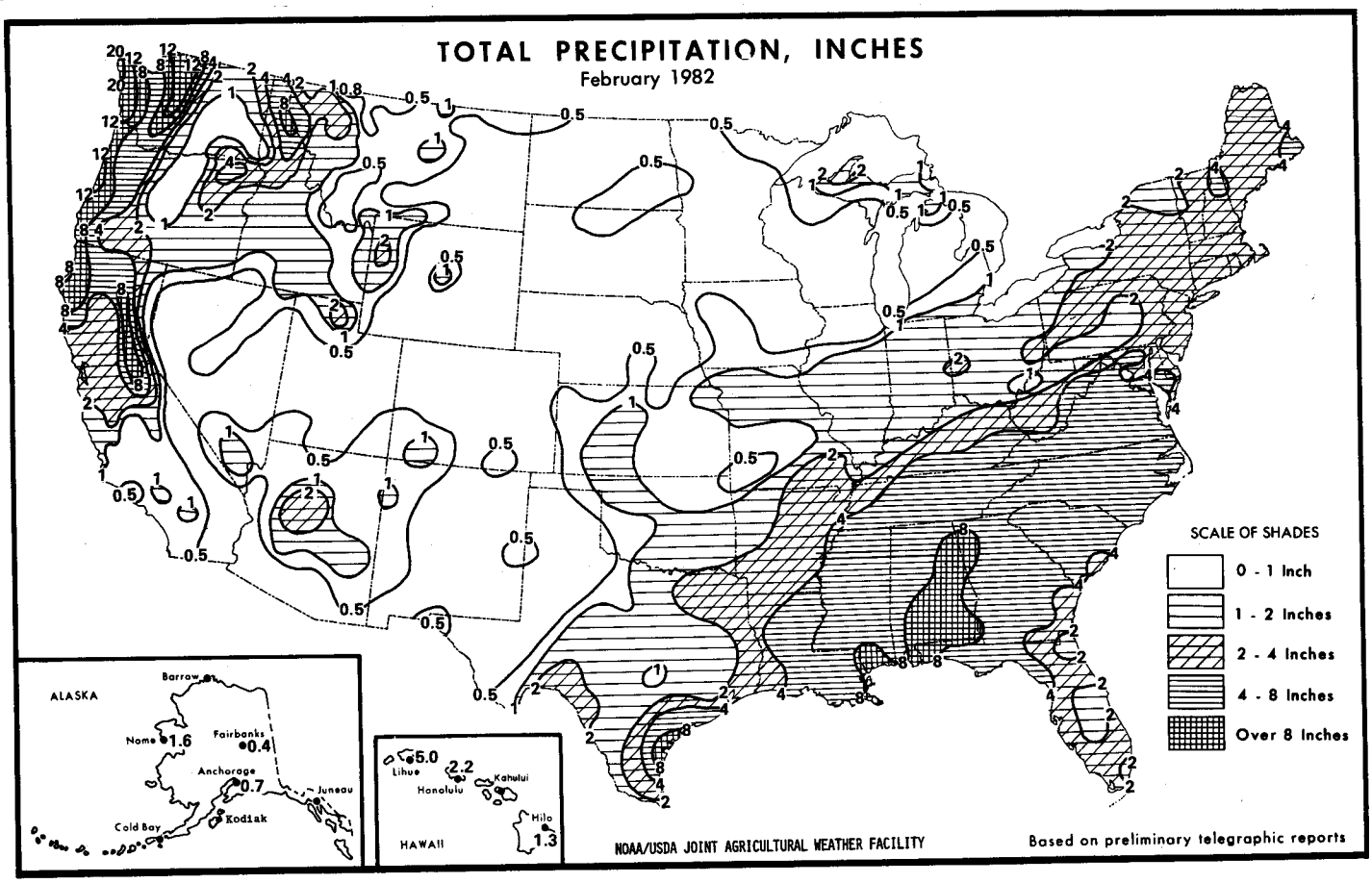
(Continued from page 1.)

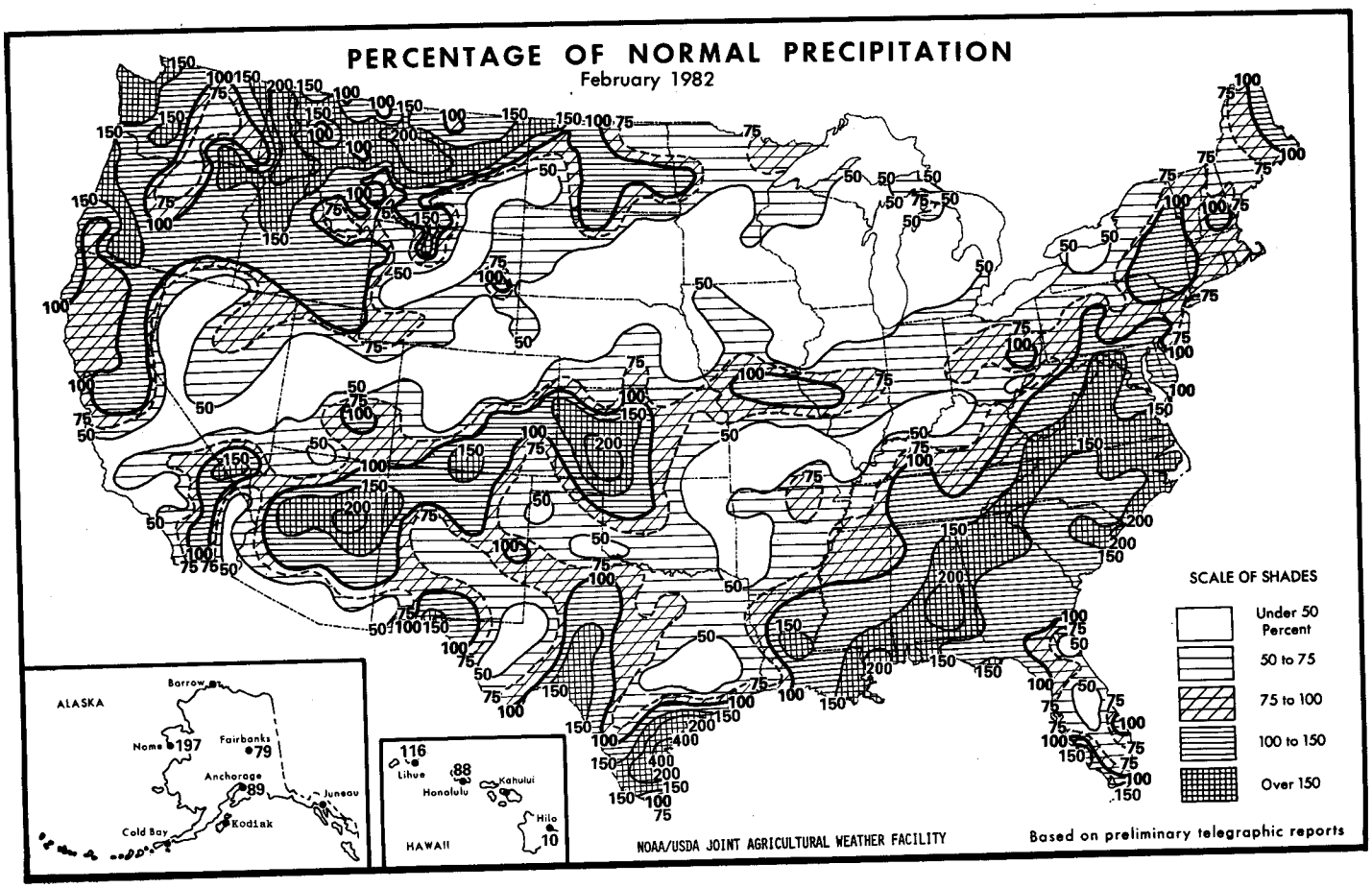
SATURDAY...The storm system in the gulf moved northeastward followed by a second storm. The two storms spread precipitation throughout most of the Nation east of the Mississippi River. Light rain fell in southeastern Texas, but thunderstorms produced some heavy showers through the Southeast. Snow fell through the Ohio Valley, and rain changed to snow late in the day through Maryland and continued as snow as the storm moved northward off the Northeast coast.

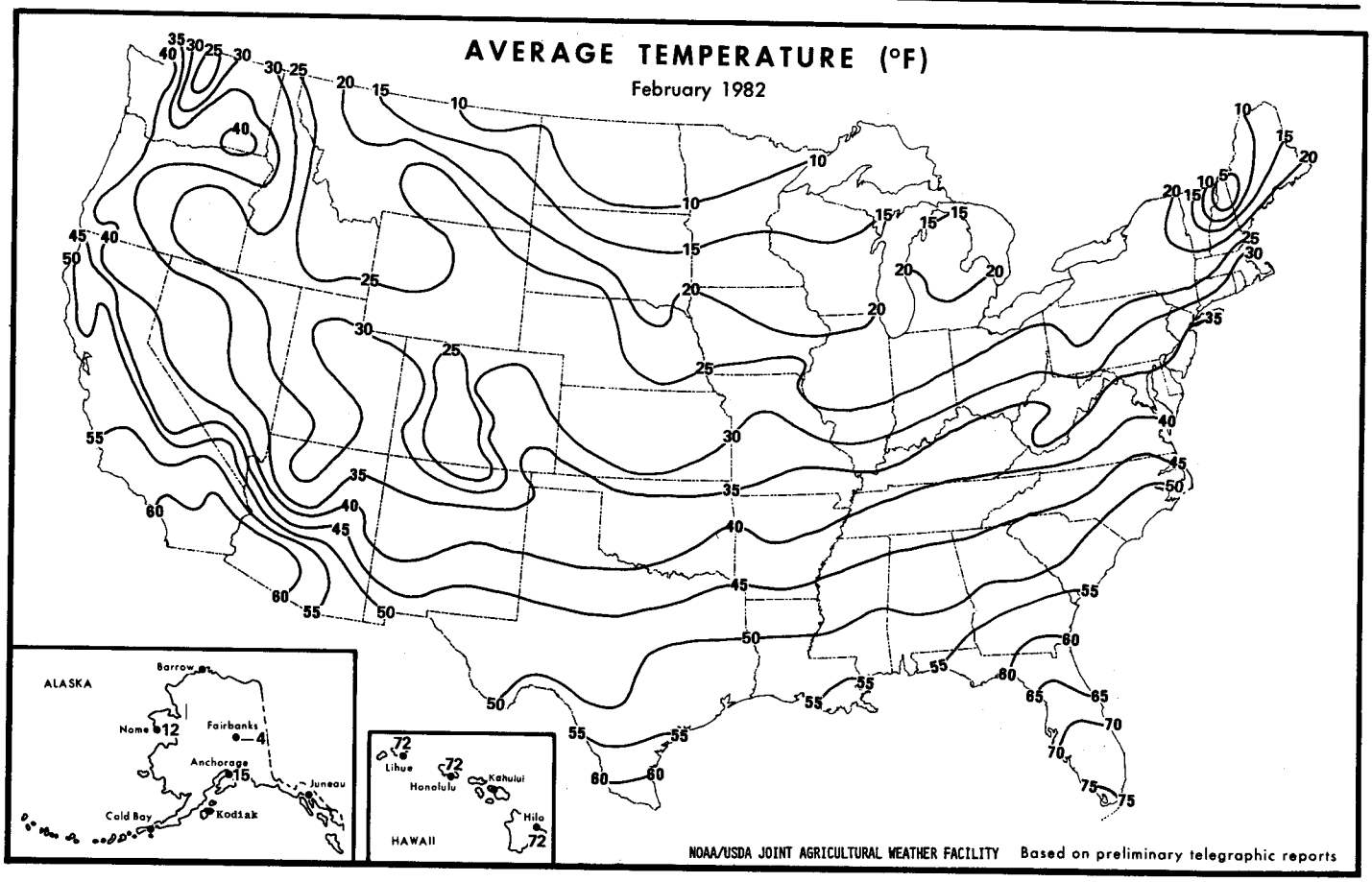
Temperature and Precipitation Data for February 1982

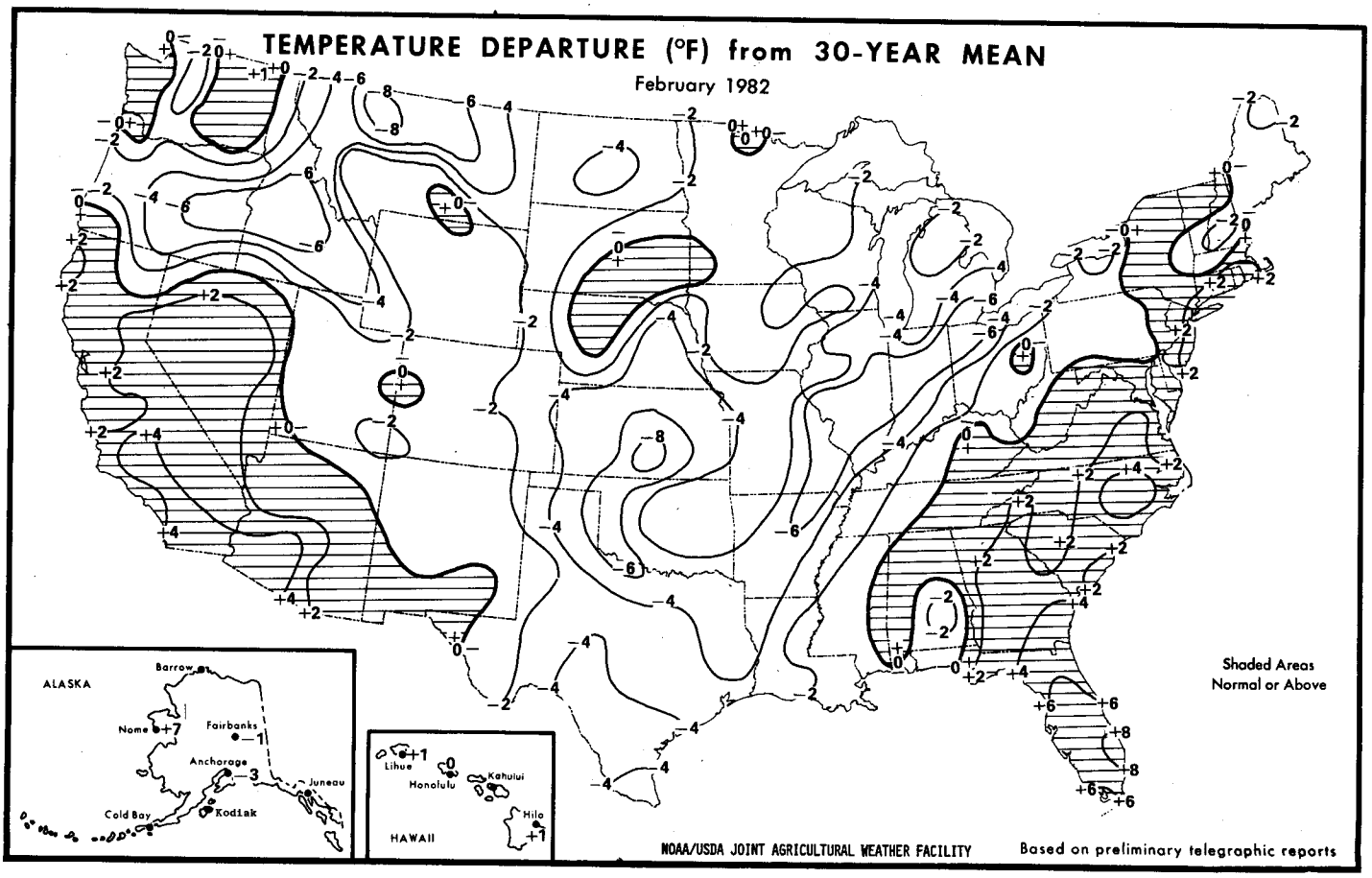
States and Stations	Temperature °F Average	Temperature °F Departure	Precipitation Inches Total	Precipitation Inches Departure
AL BIRMINGHAM	47	0	7.6	2.3
MOBILE	54	0	7.4	2.6
MONTGOMERY	49	- 2	9.9	5.6
AK ANCHORAGE	15	- 3	.7	- .1
BARROW	--	--	--	--
FAIRBANKS	- 4	- 1	.4	- .1
JUNEAU	--	--	--	--
KODIAK	--	--	--	--
NOME	12	7	1.6	.8
AZ FLAGSTAFF	31	0	2.6	1.1
PHOENIX	60	5	.7	.1
TUCSON	55	1	.1	- .6
WINSLOW	40	1	.8	.4
YUMA	63	4	.1	- .2
AR FORT SMITH	40	- 3	1.3	- 1.9
LITTLE ROCK	40	- 5	3.0	- 1.4
CA BAKERSFIELD	56	4	.6	- .4
EUREKA	50	2	5.8	.6
FRESNO	51	1	.6	- 1.1
LOS ANGELES	59	3	.7	- 1.6
RED BLUFF	50	0	2.4	- .8
SAN DIEGO	61	4	.9	- .6
SAN FRANCISCO	52	1	2.8	- .2
STOCKTON	51	2	2.3	.2
CO DENVER	32	- 1	.1	- .6
GRAND JUNCTION	35	1	.4	- .2
PUEBLO	34	- 1	.3	.0
CT BRIDGEPORT	33	2	2.5	- .2
HARTFORD	29	2	2.8	- .4
DC WASHINGTON	38	1	3.3	.8
FL APALACHICOLA	59	3	6.2	2.4
DAYTONA BEACH	64	4	2.1	- .8
FORT MYERS	72	7	3.3	1.3
JACKSONVILLE	61	5	1.7	- 1.9
KEY WEST	76	4	1.7	.2
MIAMI	74	6	1.2	- .8
ORLANDO	68	6	1.3	- 1.7
TALLAHASSEE	58	3	5.6	.8
TAMPA	68	6	2.1	- .8
WEST PALM BEACH	74	8	2.3	- .3
GA ATLANTA	47	2	7.0	2.6
AUGUSTA	49	1	4.6	.8
MACON	53	3	5.9	1.5
SAVANNAH	56	4	2.9	.0
HI HILO	72	1	1.3	-11.6
HONOLULU	72	0	2.2	- .3
KAHULUI	--	--	--	--
LIHUE	72	1	5.0	.7
ID BOISE	30	- 6	1.6	.4
LEWISTON	37	- 1	.8	- .1
POCATELLO	24	- 5	.9	.1
IL CAIRO	37	- 3	1.6	- 2.2
CHICAGO	22	- 4	.4	- .9
MOLINE	21	- 5	.5	- .8
PEORIA	25	- 3	1.1	- .4
ROCKFORD	20	- 4	.2	- 1.1
SPRINGFIELD	24	- 6	1.8	.0
IN EVANSVILLE	32	- 4	1.7	- 1.6
FORT WAYNE	21	- 7	1.5	- .6
INDIANAPOLIS	26	- 5	1.6	- .8
SOUTH BEND	23	- 3	1.2	- .7
IA BURLINGTON	25	- 2	.5	- .8
DES MOINES	23	- 1	.8	- .3
DUBUQUE	--	--	--	--
SIOUX CITY	20	- 3	.4	- .5
KS CONCORDIA	27	- 5	.5	- .4
DODGE CITY	30	- 5	1.3	.7
GOODLAND	28	- 4	.6	.2
TOPEKA	29	- 4	.6	- .4
WICHITA	28	- 8	.8	- .2
KY LEXINGTON	35	0	2.2	- 1.2
LOUISVILLE	35	- 1	1.6	- 1.9
LA BATON ROUGE	52	- 2	6.5	1.7
LAKE CHARLES	52	- 3	2.4	- 2.1
NEW ORLEANS	55	- 1	7.9	3.1
SHREVEPORT	46	- 5	3.2	- .5
ME CARIBOU	11	- 2	2.2	.1
PORTLAND	23	0	2.5	- 1.0
MD BALTIMORE	36	1	4.0	1.2
MA BOSTON	31	1	2.7	- .8
CHATHAM	32	--	3.8	--
MI ALPENA	17	- 1	.1	- 1.3
DETROIT	21	- 6	1.1	- .7
FLINT	20	- 4	.7	- .9
GRAND RAPIDS	22	- 3	.4	- 1.1
HOUGHTON LAKE	18	0	.3	- .9
LANSING	20	- 4	.6	- 1.0
MARQUETTE	12	- 2	.6	- 1.1
MUSKEGON	22	- 3	.4	- 1.4
SAULT STE. MARIE	12	- 3	.6	- .9
MN DULUTH	11	- 1	.5	- .4
INT'L FALLS	7	0	.5	- .2
MINNEAPOLIS	16	- 1	.4	- .4
ROCHESTER	16	- 1	.1	- .6
SAINT CLOUD	12	- 1	.1	- .7
MS JACKSON	49	- 1	5.2	.6
MERIDIAN	51	1	6.7	1.8
MO COLUMBIA	31	- 3	1.2	- .6
KANSAS CITY	28	- 4	1.1	- .2
SAINT LOUIS	29	- 6	1.4	- .7
SPRINGFIELD	34	- 3	.4	- 1.8
MT BILLINGS	28	1	.4	- .2
GLASGOW	10	- 5	.4	.1
GREAT FALLS	19	- 8	1.0	.2
HAVRE	12	- 6	.5	.1
HELENA	24	- 1	.6	.2
KALISPELL	21	- 4	1.6	.6
MILES CITY	17	- 5	.2	- .3
MISSOULA	23	- 4	1.3	.6
NE GRAND ISLAND	24	- 4	.6	- .2
LINCOLN	24	- 4	.3	- .6
NORFOLK	20	- 4	.4	- .4
NORTH PLATTE	28	0	.2	- .3
OMAHA	24	- 2	.2	- .8
VALENTINE	26	1	.1	- .4
NV ELY	31	3	.3	- .3
LAS VEGAS	51	2	1.1	.8
RENO	40	3	.4	- .5
WINNEMUCCA	36	2	.1	- .7
NH CONCORD	21	- 2	2.9	.4
NJ ATLANTIC CITY	37	3	2.1	- 1.3
TRENTON	35	2	2.5	- .2
NM ALBUQUERQUE	39	- 1	.2	- .2
ROSWELL	43	0	.2	- .2
NY ALBANY	23	- 1	2.1	.0
BINGHAMTON	24	1	2.3	.0
BUFFALO	23	- 1	1.3	- 1.3
NEW YORK	35	2	2.3	- .8
ROCHESTER	23	- 2	1.0	- 1.4
SYRACUSE	25	0	1.3	- 1.5
NC ASHEVILLE	41	2	7.0	3.4
CHARLOTTE	45	1	4.9	1.1
GREENSBORO	43	2	4.6	1.2
HATTERAS	48	2	7.0	2.8
RALEIGH	46	4	5.0	1.7
WILMINGTON	51	3	6.7	3.3
ND BISMARCK	9	- 5	.4	.0
FARGO	9	- 2	.5	.1
WILLISTON	12	- 2	.5	.0
OH AKRON-CANTON	28	0	1.8	- .4
CINCINNATI	31	- 2	1.2	- 1.8
CLEVELAND	25	- 3	1.4	- .8
COLUMBUS	29	- 1	1.5	- .8
DAYTON	28	- 2	1.8	- .4
TOLEDO	20	- 7	1.2	- .6
YOUNGSTOWN	26	- 1	1.5	- .9
OK OKLAHOMA CITY	38	- 3	1.0	- .3
TULSA	38	- 3	.7	- 1.0
OR ASTORIA	44	0	10.9	3.1
BURNS	25	- 6	1.7	.5
MEDFORD	41	0	3.6	1.4
PENDLETON	38	- 1	.8	- .3
PORTLAND	44	1	6.0	1.9
SALEM	42	- 1	6.0	1.2
PA ALLENTOWN	30	1	2.6	- .2
ERIE	23	- 2	1.2	- .9
HARRISBURG	31	- 1	1.9	- .5
PHILADELPHIA	34	0	3.2	.6
PITTSBURGH	28	- 1	1.9	- .5
SCRANTON	28	0	2.3	.3
RI PROVIDENCE	32	3	3.1	- .4
SC CHARLESTON	52	1	3.6	.3
COLUMBIA	50	2	4.4	.7
GREENVILLE	46	2	5.2	.8
SD ABERDEEN	--	--	--	--
HURON	19	1	.2	.6
RAPID CITY	24	- 2	.4	- .2
SIOUX FALLS	20	1	.1	- .9
TN CHATTANOOGA	43	0	6.0	.8
KNOXVILLE	43	0	4.9	.2
MEMPHIS	41	- 3	4.2	- .5
NASHVILLE	40	- 1	4.8	.4
TX ABILENE	45	- 3	1.2	.2
AMARILLO	36	- 4	.4	- .2
AUSTIN	51	- 2	.8	- 2.3
BEAUMONT	52	- 3	3.5	- .7
BROWNSVILLE	61	- 2	.8	- .7
CORPUS CHRISTI	56	- 4	8.1	6.1
DEL RIO	52	- 4	2.5	1.5
EL PASO	49	1	.6	.2
FORT WORTH	45	- 4	1.9	- .5
GALVESTON	53	- 3	4.0	1.3
HOUSTON	52	- 3	1.6	- 1.9
LUBBOCK	42	- 1	.4	- .1
MIDLAND	46	- 2	.2	- .4
SAN ANGELO	46	- 4	1.5	.7
SAN ANTONIO	50	- 5	1.3	- .8
VICTORIA	53	- 4	5.4	3.1
WACO	48	- 3	1.4	- 1.0
WICHITA FALLS	40	- 6	1.0	- .2
UT BLANDING	31	- 2	.8	- .1
SALT LAKE CITY	32	- 1	.5	- .7
VT BURLINGTON	19	0	1.4	- .3
VA LYNCHBURG	39	1	4.4	1.6
NORFOLK	42	1	5.8	2.5
RICHMOND	42	3	4.4	1.4
ROANOKE	38	0	4.8	1.7
WA COLVILLE	32	1	1.8	.4
OMAK	31	1	1.0	- .1
QUILLAYUTE	41	0	20.6	8.6
SEATTLE-TACOMA	42	0	7.6	3.4
SPOKANE	32	0	1.7	.0
WALLA-WALLA	41	1	2.9	1.5
YAKIMA	37	1	1.5	.7
WV BECKLEY	34	1	3.7	.4
CHARLESTON	36	- 1	3.2	.1
HUNTINGTON	35	- 1	2.4	- .5
PARKERSBURG	35	0	.9	- 1.9
WI GREEN BAY	16	- 2	.1	- .9
LA CROSSE	17	- 3	.2	- .7
MADISON	19	- 1	.2	- .8
MILWAUKEE	19	- 4	.3	- .8
WY CASPER	26	- 1	.3	- .2
CHEYENNE	28	- 1	.2	- .3
LANDER	25	- 1	.2	- .5
SHERIDAN	26	0	.3	- .5
PR SAN JUAN	78	3	6.7	4.2

Based on 1941-70 normals


TOTAL PRECIPITATION, INCHES
February 1982
SCALE OF SHADES
0 - 1 Inch
1 - 2 Inches
2 - 4 Inches
4 - 8 Inches
Over 8 Inches
ALASKA
Barrow
Nome 1.6
Fairbanks 0.4
Anchorage 0.7
Juneau
Cold Bay
Kodiak
HAWAII
Lihue 5.0
Honolulu 2.2
Kahului
Hilo 1.3
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports


PERCENTAGE OF NORMAL PRECIPITATION
February 1982
SCALE OF SHADES
Under 50 Percent
50 to 75
75 to 100
100 to 150
Over 150
ALASKA
Barrow
Nome 197
Fairbanks 79
Anchorage 89
Juneau
Cold Bay
Kodiak
HAWAII
Lihue 116
Honolulu 88
Kahului
Hilo 10
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports


AVERAGE TEMPERATURE (°F)
February 1982
ALASKA
Barrow
Nome 12
Fairbanks -4
Anchorage 15
Juneau
Cold Bay
Kodiak
Lihue 72
Honolulu 72
Kahului
Hilo 72
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports


TEMPERATURE DEPARTURE (°F) from 30-YEAR MEAN
February 1982
ALASKA
Barrow
Nome +7
Fairbanks -1
Anchorage -3
Juneau
Cold Bay
Kodiak
Lihue +1
Honolulu 0
Kahului
Hilo +1
HAWAII
Shaded Areas Normal or Above
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports

National Agricultural Summary

March 1-7, 1982

HIGHLIGHTS: Wet field conditions delayed spring fieldwork once again in the Southeast and in parts of the Corn Belt. However, in the extreme South early planting of crops was underway. Farmers had up to 4 days suitable for fieldwork in this region; soil moisture supplies were generally rated as adequate to surplus. Rainfall in parts of Texas alleviated dry conditions. The showers promoted growth of grasses and small grains and improved pasture conditions. Winter wheat was in good to excellent condition in Kansas and in fair to good condition in other major producing States. The crop was greening as far north as Kansas and in parts of the Corn Belt. Corn planting stretched from Texas to Georgia, but sorghum planting centered in Texas. Cotton planting was confined to Arizona and Texas. Tobacco growers prepared plantbeds and, in some areas, seeded the crop. Vegetable planting and harvesting remained active in the South. Pastures were in fair to good condition and livestock were in mostly good condition.

SMALL GRAINS: Winter wheat was in good to excellent condition in Kansas and in fair to good condition in other major producing States. The crop was greening as far north as Kansas, in southern areas of the Corn Belt and in a few scattered fields in Nebraska.

Warm weather and good moisture promoted rapid top growth in some of the earlier Kansas wheat fields. Grazing continued to increase as field conditions permitted. Oklahoma wheat was in good condition; topdressing activity increased during the week. Texas wheat responded to warmer temperatures, and conditions were reported fair to good. Despite scattered precipitation, moisture supplies remained short on the northern High Plains. Topdressing activities were interrupted by showers in the Blacklands. Greenbugs were increasing rapidly on the Low Plains and in some areas of the Blacklands. Early planted small grains in Arizona were developing heads. Growers in the Corn Belt fertilized small grain fields as field conditions permitted.

OTHER CROPS: Corn planting was underway across the South from Texas to Georgia. However, planting in Texas was slowed by rain from the Blacklands southward. Some early planted fields had emerged in south central Texas. Wet soils and rain slowed spring fieldwork and continued to delay planting in most areas of the Southeast and in parts of the Corn Belt. Tobacco growers prepared plantbeds and, in many areas, seeded the crop. Transplanting continued in Florida and started in Georgia. In Arizona, land preparation, preplanting irrigation, and application of herbicides for the new cotton crop was in full swing. Planting increased in western areas and was just getting started in central areas of the State. Cotton planting was underway in the Lower Valley and Coastal Bend areas of Texas wherever field conditions permitted. Rains interrupted seeding in some areas, and some early planted fields in the Coastal Bend area had to be replanted. Sorghum planting in Texas was 7% complete, 3 points slower than normal. Rain delayed seeding progress from the Blacklands southward.

FRUITS AND NUTS: Deciduous fruit growers continued pruning mature trees and planting new trees.

Soil moisture was sufficient and temperatures were generally above normal in Florida's citrus groves. Most groves were flushed with new growth and bloom. Harvests of oranges slowed seasonally, but the grapefruit harvest was at near record volume.

Arizona's lemon harvest tapered off rapidly. The Valencia orange harvest was underway but limited. New crop fruit sized well. Groves showed much new growth and were in good condition.

Texas producers harvested grapefruit and Valencia oranges. Harvests of early and midseason oranges were nearing completion.

In the San Joaquin Valley of California, apricots, nectarines, peaches, and plums were blooming. The Valencia orange harvest was underway in Desert areas. The Navel orange harvest was active and quality was reported good.

VEGETABLES: Florida's vegetable shipments increased 7% from the previous week. The only crops registering declines were peppers and potatoes. Supplies were about steady for cauliflower, celery, eggplant, escarole, strawberries, and tomatoes. Strawberry harvests continued at peak activity. Watermelon planting was active in northern areas; crop conditions in southern areas were fair to good.

In central and western Arizona, cantaloup and watermelon planting was active. Earliest planted melons were up to good stands and growing well. The lettuce harvest in the Yuma area made seasonal progress, but the total volume was running well behind a year ago. Growers also harvested broccoli, carrots, cauliflower, cabbage, and green onions.

Harvesting of carrots and cabbage in the Rio Grande Valley of Texas was delayed by rain. Early onion harvests was underway. In the San Antonio-Winter Garden area, producers harvested cabbage and carrots and started planting cold-tolerant vegetables. Recent rainfall helped improve soil moisture conditions in the Trans-Pecos region. Carrot and cabbage growth was slow. Planting of chili peppers started.

The asparagus harvest was active in the Delta and Desert areas of California, but delayed by rain in the Salinas Valley. The broccoli harvest increased on the Central Coast, and carrot harvests remained active in the Imperial and Coachella Valleys. Lettuce harvests neared completion in the Imperial Valley but increased in the Blythe area. Spring potato planting continued in the Kern area and sweetpotato beds were being prepared. Processing tomato plants began emerging while the planting of fresh market tomatoes continued active.

PASTURES AND LIVESTOCK: Pastures in the South were in fair to good condition. Warmer weather and abundant moisture supplies promoted growth of grasses. Rainfall improved conditions in Texas, but more is needed to improve soil moisture supplies. Livestock were in good condition, and many were still on supplemental feed. Calving and lambing continued active. Spring sheep shearing became more widespread.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures mostly normal. Rainfall 1.00 to 2.00 in. Heaviest Mobile and Baldwin Counties 4.00 to 5.00 in.

Fieldwork: 3.3 days. Soil moisture mostly adequate. Activities: Routine farm chores, planning for this year's crops, pruning fruit and pecan trees, early planting of corn and some vegetables. Applying nitrogen to wheat. Conditions: Livestock, pastures fair; pasture feed short; stored feed adequate; wheat fair to good; plowing 35%; fieldwork behind.

ARIZONA: Storm system 1st part week, scattered late showers. Amounts traces lower elevation, around 0.50 in. higher elevations. Snow level mostly above 7,000 ft, little new snow. Fair weather prevailed remainder week. Average temperatures 1° below normal to 5° above.

Small grains, very good progress, earliest plantings developing heads, later plantings all stages. Land preparations, pre-irrigation, application herbicides new cotton crop full swing, planting increasing western areas, limited planting underway central areas. Sugarbeets good progress. Alfalfa hay good growth, cutting, baling new crop increasing. Land preparations, planting safflower, corn for silage central areas well advanced. Safflower planting winding down, nearing completion. Lettuce, mixed vegetables early spring harvest growing very well. Lettuce harvest Yuma seasonal progress, total volume running well behind last year. Harvest broccoli, carrots, cauliflower, cabbage, greens, green onions, continued. Lettuce harvest central area expected week March 8. Potatoes, dry onions growing well. Planting cantaloups, watermelons active both central, western areas. Earliest planted melons good stand, growing well. Lemon harvest rapidly tapering off. Grapefruit harvest seasonal progress. Valencia orange harvest active but limited. Bloom all varieties increasing. New crop fruit sizing well, groves flushed new growth, mostly good conditions. Ranges reported mostly fair, good condition. Livestock remained fair, good condition. Mostly adequate water supplies. Surplus water reported some northern areas.

ARKANSAS: Another week with slightly below normal temperatures and little rainfall. Highest temperature 79°, lowest 22°. All departures from normal ranged from 0 to -5°. Most rainfall 0.87, lease 0.01 in.

Limited field preparation occurred with some discing or field breaking on hills or ridges. The major field activity continued to be nitrogen application on wheat, which was approximately 75% complete. Wheat was rated in mostly good condition and continuing to green up because of milder days. Producers were beginning to fertilize fescue pasture and some summer pasture in the south. Soil moisture remains adequate. Greenhouse tomatoes were in excellent condition.

CALIFORNIA: A few degrees warmer than normal in the southeast interior, the rest of the State mean temperatures were close to normal. Precipitation was common. Greatest totals were in the Sierra although the Central Valley had rather good amounts, around the 1.00 in. mark. Central Valley was free of temperatures below freezing.

Preplant fieldwork active. Winter grain showing good growth, except for standing water problem northern areas. Fertilizer and herbicide application active on grain and alfalfa. Sugarbeets, good growth. Some planting alfalfa. Apricots, nectarines, peaches, plums blooming San Joaquin Valley. Rain San Joaquin, Sacramento Valley slowed field activities. Pruning, cane tying grape vineyards. Desert grapefruit poor demand. Weekly lemon shipments 1,200 cars southern coastal counties. Picking Navel oranges strong, good quality. Valencia harvest underway Desert. Almond leafing has begun San Joaquin Valley. Artichoke harvest active, Central Coast. Asparagus harvest active, Delta, Desert areas. Delayed by rain, Salinas Valley. Broccoli harvest increasing, Central Coast. Carrot harvest remains active, Imperial-Coachella Valleys. Cabbage harvest continues, San Joaquin Valley. Cauliflower harvest increasing on Central Coast. Celery harvest active South Coast. Harvest active Palo Verde Valley. Lettuce harvest nearing completion in Imperial Valley but is increasing in Blythe area. Spring potato planting continues, Kern District. Sweetpotato beds being prepared. Strawberry crop making good progress. Processing tomatoes emerging. Fresh market tomato planting continues. Ranges northern districts making excellent growth. Some southern foothill areas starting show moisture stress, more rain needed. Stock water supplies adequate all areas. Calving, lambing active Sacramento Valley, northern mountain areas.

COLORADO: Mostly clear and mild weather at beginning of week with temperatures in the 60's at lower elevations and 40 to 50's in the mountains. By 2nd, a lower Pacific cold front brought clouds and showers. By midweek, an Arctic storm brought sharply colder temperatures, light snow, drizzle, and fog to eastern plains while snow continued in high country. Temperatures dropped into the 20's and 30's. Cloudy snowy weather continued on 4th and 5th with up to a foot or more of snow being reported in many mountain locations and 1.0 to 6.0 in. over the west slope and eastern plains. By the end of the week conditions had improved with little precipitation at lower elevations and temperatures moderated into the 40 and 50's.

FLORIDA: March began cool, dry with scattered frost, north. Warm, moist air spread back into the State after midweek. Significant rains fell just prior to and at weekend. Rainfall 1.00 to 3.00 in. common except southeast which had 0.50 in. or less. Strong, gusty winds occurred at weekend. Some hail in central area afternoon of 5th. Temperatures averaged above normal, south, near normal, central, below normal, north.

Soil moisture mostly adequate Panhandle, upper north; mostly short central, south. Weekend rainfall very helpful to most dry areas. Corn, tobacco planting slow but increasing. Land preparation active. Small grains good condition, wheat showing some disease damage west central area. Sugarcane harvest nearing completion. Young cane improving. Warming temperatures during most of week, followed by weekend rains greatly improved pasture prospects. Conditions mostly good to excellent Panhandle, lower Peninsula. Some central areas poor, but weekend rains very beneficial. Land preparation, liming, seeding of pastures underway few areas. Cattle mostly fair to good condition. Most groves flushed with new growth and bloom. Soil moisture sufficient and temperatures generally above average. Harvest of

oranges slowing between seasons, but weekly grapefruit harvest at near record volume. Mild days, cool nights vegetable areas first half of week followed by warm days, cool nights remainder of week. Showers, thunderstorms numerous during late week. Rainfall variable; lightest in southeast areas. Some spotty hail west central area. Total shipments increased 7% from previous week. Harvest gained snap beans, cabbage, carrots, Chinese cabbage, sweet corn, cucumbers, lettuce, okra, parsley, radishes, squash. Supplies about steady cauliflower, celery, eggplant, escarole, strawberries, tomatoes. Volume declined peppers, potatoes. Strawberry harvest continues at peak activity. Watermelon planting active northern areas. Crop condition in south mostly good but only fair in drier areas.

GEORGIA: Temperatures below normal. South and central averaged 3 to 6° below, north 1 to 2° below. Averages from 41 to 55°. Most rain northern part of State. Amounts north 1.00 to 2.00 in. while tapering off to less than 0.10 in. in southern third. Weekend of 6th and 7th good heavy rain. Amounts between 1.00 to 2.00 in. with most falling on 6th.

Soil moisture adequate but surplus few areas. Field activities light to moderate. Small grains fair to mostly good, topdressing nearing completion. Tobacco plants fair to mostly good condition, transplanting just beginning. Corn and watermelon planting increasing southern areas. Pastures mostly fair to good, scattered with fertilizer applications. Cattle mostly fair to good. Hogs fair to mostly good.

IDAHO: Temperatures averaged from 1 to 8° above normal. High of 63° in Grandview, low of -3° in Stanley. Precipitation fell in varying amounts.

Fields were drying rapidly and some fieldwork has begun in southwest. Winter wheat beginning to green up. Farmers were busy planning for this year's crops and determining seed and fertilizer requirements. Lambing nearing completion, and calving well underway. Livestock in general in good condition.

ILLINOIS: Temperatures 1 to 5° below normal. Precipitation 0.40 to 1.30 in., heaviest north. None in southwest.

Activities: Livestock feeding and care, general farmwork, ordering seed and supplies.

INDIANA: Cool and wet. Temperatures ranged from 6 to 67°, averaged 24 to 39°, and 4° below normal. Precipitation 0.60 in. south, 0.80 in. central, and 1.30 in. north. Snow cover 1 to 5 in. northern third. Sunshine 25% of possible southwest to 63% northeast. Four in. soil temperature low and middle 30's central and north.

Activities: Soils mostly too soft or wet for fieldwork, but a few fields being tilled. Also, spreading fertilizer, top dressing wheat, making plans, cutting wood, hauling grain, sowing grass and clover seed; hauling manure, attending meetings, caring for livestock and usual chores.

IOWA: A cold, snowy week. Early week warmth soon declined to average 7° subnormal. On the 6th, Atlantic with -11° vied for the Nation's coldest reading. Precipitation was light over the northern districts and heavy southward falling on the 2nd as light rain, freezing rain, sleet, and snow and again with heaviest snowfalls south. Ottumwa measured 9 in. and Des Moines 6 in. snow depth. Minor flooding was reported on some streams.

KANSAS: Precipitation 0.25 to locally 0.50 in. northeast, north central and along southern border central and west, otherwise, generally less than 0.20 in. Temperatures averaged 31° north central to 39° southeast, 33 to 37° elsewhere. These were 1° above normal northwest, 1° below normal southeast, 2 to 4° below normal elsewhere.

Wheat good to excellent condition, crop coming out of dormancy. Warm weather and good moisture promote rapid top growth. Grazing continues to increase, livestock making good gains. Some top dressing underway along with weed control. Lambing, calving and farrowing full swing. Feeding and care of livestock major activity. Planting spring barley and oats gaining momentum as wet fields dry out.

KENTUCKY: Unseasonably warm first few days but below normal cold on 5th and through weekend. Precipitation amounts averaged from 0.50 to 1.00 in. over most sections.

Limited field activity underway. Tobacco beds being prepared. Reports indicate farmers slow to purchase seed and fertilizer, reflecting cash flow problems. Winter grains and livestock generally in satisfactory condition.

LOUISIANA: Rainfall 0.50 in. or less west, near 1.00 in. east. Temperatures 4° below normal northwest, 1 to 2° below normal elsewhere.

Soil moisture adequate. Days suitable: 4.3. Spring plowing 17% 1982, 38% 1981, 24% 1980. Corn planted 5% 1982, 2% 1981, 4% average. Winter wheat rated fair to good. Early reports indicate no significant damage to sugarcane from winter freeze. Strawberry harvest to begin in 1 week. Pepper plants ready for transplanting. Vegetables rated fair. Pastures rated fair; livestock fair to good.

MARYLAND AND DELAWARE: Temperatures averaged 3° below normal. Highs averaged mid to upper 40's; lows averaged mid to upper 20's. Greatest amount of precipitation at Patuxent with 1.11 in. The least amount reported was at Frederick with a trace and Baltimore Washington Airport with 0.04 in. Average of remaining 6 stations was 0.51. Cloudy all week end with precipitation both 6th and 7th with snow on 7th in western Maryland with highs in upper 30's to low 40's and lows in upper 20 to low 30's.

MICHIGAN: March began as if to continue this cold winter with temperatures averaging from 5 to 11° below normal. Warmest temperatures ranged from mid 30's to 40° in the Lower Peninsula during the first part of the week then dropped to near 20° about midweek, as cold air moved into the State. Precipitation ranged from near 0.25 in. in the northwest Lower and the Upper Peninsula divisions to 0.50 in. in the south Lower and 0.75 in. in the southeast Lower Peninsula.

MINNESOTA: Cool, dry weather prevailed. Temperatures averaged low 20's southwest to 3° far north, and were from 5° below normal south to 12° below normal north. Highest temperature was 46° at Lamberton and coldest was -26° at International Falls. Precipitation was light with less than 0.10 in. Statewide. Snowfall was generally less than 0.50 in. Snowdepth at weeks end was trace southwest and generally 2 to 12 in. elsewhere except 12 to 19 in. north central and northeast.

MISSISSIPPI: First half of week clear and warm. Widespread rain later in the week followed by much cooler temperatures. Greatest 24-hour rainfall 1.58 in. Temperatures extremes: 20 and 79°.

Soil moisture adequate to surplus. Fieldwork: 2.4 days suitable. Main farm activities were farm planting, caring for livestock, liming and fertilizing wheat. Plowing 17% completed, 44% last year, 24% average. Corn 3% planted, 6% last year. Winter wheat 6% jointing, 7% last year; condition good to fair. Hay and roughage supplies adequate to short. Grain supplies adequate. Pasture and livestock condition fair.

MISSOURI: The week opened with mild temperatures, however, a storm swept across the State on 2nd and 3rd bringing sleet and snow to the northern part of the State and rain to the south. The storm was followed by a return to cooler weather at the end of the week.

Only the extreme southern part of the State and the Bootheel had temperatures averaging 2° above normal. The rest of the State had temperatures that averaged 2 to 5° below normal. Precipitation amounts ranged from 0.20 to 0.50 in.

OREGON: Slightly warmer temperatures prevailed with all areas averaging 1 to 4° above normal, except for the Willamette Valley where mean temperatures were 1° below normal. Coastal areas received 2.00 to 4.00 in. of precipitation; the Willamette Valley had amounts ranging from 0.40 to 2.40 in. Scattered showers east of the Cascades brought much lighter amounts of rain ranging from 0.10 in. in the south central areas to 0.60 in. in the north central areas.

Soil moisture supplies mostly surplus with some areas adequate. Winter wheat rated mostly good condition; some winter damage showing as snow melting in higher elevation fields. Pruning of fruit trees well underway in the major producing areas. Delayed dormant spray applications just starting. No sizable vegetable plantings started, but some early potato fields were planted in the Hermiston-Boardman area, and onion growers preparing to start over next couple of weeks. Livestock condition good. Range and pasture mostly fair to good. Feed supplies starting to run short in some western counties, adequate elsewhere. Lambing almost complete.

MONTANA: Temperatures very mild west and southwest, averaging about 5° above normal. Over plains temperatures averaged 2 to 9° below normal as arctic air covered area most of week. Highest 56° at Hardin, lowest -14° at Glassgow. Precipitation moderate to heavy over southwest, south central and portions of central, northeast and southeast.

Winter wheat condition fair to good. Wind damage light, snow cover protection fair to good. Calving and lambing proceeding with generally good weather conditions. Grazing open to difficult.

NEBRASKA: Temperatures: About 6° below normal. Precipitation: Amounts 0.10 in. in Panhandle to 0.40 in. over remainder of State.

NEVADA: Warm and sunny beginning of week. Cold front brought gusty winds and scattered showers well into middle of period. Skies again fair end of week but temperatures 5 to 10° cooler than start of period. Average temperatures for week slightly above normal.

Good progress seed bed preparation extreme south. Calving and lambing operations aided by mostly mild weather. Livestock good condition.

NEW ENGLAND: Temperatures: 2° degrees below normal (southeast and extreme south New England) to 14° below normal (interior north and central sections). Warmest day was the 6th, coldest day was the 2nd. Many below zero overnight readings occurred over north and central sections.

Precipitation: Snow occurred 1st, 4th and 7th, mostly north and central locations. Amounts ranged between 5 and 10 in. Most stations measured over 0.50 in. of liquid/melted precipitation. Many readings over 1.50 in. in souterhn VT, central NH, RI, southeastern MA and extreme eastern ME. Largest total was 2.32 in. at Chatham, MA.

NEW JERSEY: Temperatures 1 to 6° below normal averaging 29° north, 35° south and 38° coastal. Extremes: 4° at Charlotteburg and 58° at Pomona. Precipitation above normal, averaging 1.15 in. north, 1.64 in. south and 1.89 in. coastal. Heaviest 24 hour total reported 1.10 in. at Bridgeton.

Farmers caring for livestock and tending to other normal winter chores.

NEW MEXICO: Soil moisture continued in short to adequate supply. Open weather prevailed for most of the week allowing outdoor activities to progress unhampered. Preparing land for spring planting, shearing of sheep, calving and lambing, were the main farm and ranch activities. Irrigated winter wheat in good condition. Dryland winter wheat in fair condition and in need of topsoil moisture. Alfalfa fields in the south beginning to green and show growth. Barley in good condition in most areas. Lettuce and onions continue to show good growth. Chile planting expected to start within the week. Ranges in good condition in most areas. Livestock in good condition with calving and lambing continuing. Shearing of sheep underway. Cattle expected to be removed from most wheat fields by March 15.

NEW YORK: Arctic air dominated the State during the first half of the week. Temperatures dipped below zero as far south as the Hudson Valley. Readings tumbled to 10 to 20° below zero in the Adirondacks and St. Lawrence Valley. A storm moved across the eastern Great Lakes bringing moderating temperatures and a mixture of rain and snow. Five to ten inches of wet snow fell in Eastern areas and 0.75 in. of rain fell in the New York City area during the weekend. Water content for the week ranged from over 0.50 in. in Western areas and the St. Lawrence Valley to 1.50 in. in the mid-Hudson Valley and Adirondacks.

NORTH CAROLINA: Temperatures: Near normal across the State and 2 to 4° above normal along the south coast. Precipitation: Generally up to 1.00 in. Statewide with 3.23 in. reported at Cape Hatteras.

Soil moisture: 53% adequate and 47% surplus. Fieldwork: 2.5 days suitable. Conditions: Wheat, oats, barley and rye mostly good; pasture fair to good. Plantings: Irish potatoes 2%. Supplies: Hay and roughage mostly adequate; feed grains mostly adequate. Farm activities: Caring for tobacco plant beds, top dressing small grains, and caring for livestock.

NORTH DAKOTA: The first week of March was much colder than normal with near normal precipitation. Temperatures averaged 9° below normal. Range from an average of 13° southeast which was 7° below normal to an average of 3° north central which was 13° below normal. Precipitation averaged near normal and ranged from 0.34 in. northwest which was 0.25 in. above normal to 0.01 in. east central which was 0.11 in. below normal.

Colder temperatures again putting pressure on livestock feed supplies. Snowstorm in eastern part of the State, 8th, causing transportation problems. Spring fieldwork still looks like a distant prospect.

OHIO: Temperatures still colder than normal. Precipitation averaging close to normal levels: 0.33 to 0.50 in. above normal in the north, 0.10 to 0.25 in. below normal in the south and east.

Soil temperatures did warm above freezing during afternoon hours, but morning lows dropped to freezing level. Snow cover minimal and freez-thaw action will be frequent, causing concern over winter wheat condition. Farm to elevator marketings continue at a slow pace.

OKLAHOMA: Precipitation varied from a trace southwest to 0.85 in. southeast. Most sections received 0.10 in. or less. Temperatures averaged from normal east central to 5° below normal north central.

Normal to below normal temperatures for first part week temporarily retarded wheat growth. Wheat rated good condition. Top dressing activity. Cheat, mustard, henbit and buckwheat infestations northern part State may cause some grazeout. Cattle good condition. Days suitable for fieldwork: 3.9.

OREGON: Slightly warmer temperatures prevailed with all areas averaging 1 to 4° above normal, except for the Willamette Valley where mean temperatures were 1° below normal. Coastal areas received 2.00 to 4.00 in. of precipitation; the Willamette Valley had amounts ranging from 0.40 to 1.40 in. Scattered showers east of the Cascades brought much lighter amounts of rain ranging from 0.10 in. in the south central areas to 0.60 in. in the north central areas.

Soil moisture supplies mostly surplus with some areas adequate. Winter wheat rated mostly good condition; some winter damage showing as snow melting in higher elevation fields. Pruning of fruit trees well underway in the major producing areas. Delayed dormant spray applications just starting. No sizable vegetable plantings started, but some early potato fields were planted in the Hermiston-Boardman area, and onion growers preparing to start over next couple of weeks. Livestock condition good. Range and pasture mostly fair to good. Feed supplies starting to run short in some western counties, adequate elsewhere. Lambing almost complete.

PENNSYLVANIA: A cold and mostly wet week. Temperatures 3 to 6° below normal with maxima mostly in 30's and minima 20's and lower. Extremes: 54 and -6°. Precipitation on four days totaled 0.75 in. north central to 1.50 in. southwest and extreme southeast with 1.00 to 1.25 in. elsewhere. Two to twelve in. new snow from storms 2nd and weekend.

PUERTO RICO: Island average rainfall 0.65 in. or 0.01 in. above normal. Highest weekly total 2.62 in. Temperatures average about 77 to 76° on Coast and 71 to 69° Interior Divisions. Extremes: 92 and 49°.

SOUTH CAROLINA: Near normal temperatures. Unseasonably warm readings on 5th offset by cooler temperatures on 7th. Cold front pushing through the State on 7th brought rain averaging 0.33 to 0.75 in. and 1.00 to 1.50 in. amounts in the mountains.

General land preparation and farm machinery maintenance for spring planting active, along with caring for livestock and other farm chores.

SOUTH DAKOTA: Temperatures well below normal. Averages 1 to 10° below normal. Extremes: 64 and -11°. Precipitation over most of State. Largest amounts west and southeast. Largest amount 0.38 in. in southeast. Annual precipitation above normal parts of central and extreme southeast and entire northwest and southwest. Remainder of State below normal.

TENNESSEE: Temperatures were generally near normal with readings in the mid 40's. Precipitation varied widely with generally 0.50 in. or less in the west half of the State and 1.00 to 2.00 in. in the east.

Land preparation picking up but principal farm activity was tending livestock.

TEXAS: Weather: Cold front moved slowly through State during middle portion of week. Few thunderstorms developed along front 3rd North Texas. Friday the 5th, more thunderstorms developed North Central Texas while snow fell over much Panhandle, temperatures near normal across much State with 3° above normal over Edwards Plateau; 3° below normal Low Plains. Precipitation below normal Statewide except portions North Central Texas.

Crops: Land preparation, spring planting active where conditions permitted. High winds High Plains 3rd, 4th interrupted land preparation; some wind erosion damage reported. Scattered showers South Texas, along Coast halted cotton, corn, sorghum planting. Some coastal areas land preparation behind schedule because wet fields. Cotton planting underway Lower Valley, Coastal Bend where field conditions permit. Rains interrupted seeding some areas; some early fields Coastal Bend replanted. Rain interrupted corn, sorghum planting Blacklands southward. Some early corn fields emerged South Central Texas. Most small grain fields making good growth with warmer weather. Snow Panhandle, scattered showers across most State provided much-needed moisture; fields still dry many areas. Wheat fields responding warmer temperatures. Despite scattered snow over Panhandle moisture remains short Northern High Plains. Scattered showers Blacklands interrupted topdressing. Cross-Timbers cattle moved off wheat fields harvested for grain. Greenbugs increasing rapidly Low Plains some areas Blacklands. Reported condition 73% of normal with 5% excellent; 40% good; 50% fair; and 5% poor. This compares with 62% of normal last year. Sorghum planted 7%, 15% 1981, 10% average. Corn planted 5%, 6% 1981, 5% average.

Commercial vegetables: Rio Grande Valley harvest of carrots, cabbage continued, fair volumes. Harvest activity delayed by rain. Early onion harvest underway. Harvest of grapefruit, Valencia oranges continued, harvest of early and mid season oranges wrapping up. San Antonio-Winter Garden area, harvest of cabbage, carrots continued. Planting of cold tolerant vegetables getting underway. Irrigation continues. Trans-Pecos region, onions making good progress. Moisture conditions helped by recent rains. Carrots, cabbage making slow growth, planting of chili peppers underway.

Range and livestock: Range, pasture condition showed some improvement, warm temperatures, some rainfall promoted growth of grasses, small grains. Supplemental feeding continues. Livestock in good condition. Additional rainfall needed to improve soil moisture.

UTAH: Recurring periods scattered rains and snow. Accumulated amounts moisture generally light to moderate. Locally heavy few localities. Average temperatures continue above normal ranging between 2 and 11° above.

Spring lambing and calving in progress. Turkey placements continue. Some apples and potatoes still in storage.

VIRGINIA: Rainfall averaged 1.58 in. western and northwestern sections averaged less than 1.00 in. Temperatures averaged 4 to 5° below normal. Temperatures extremes: 73° in central areas to 9° in the north.

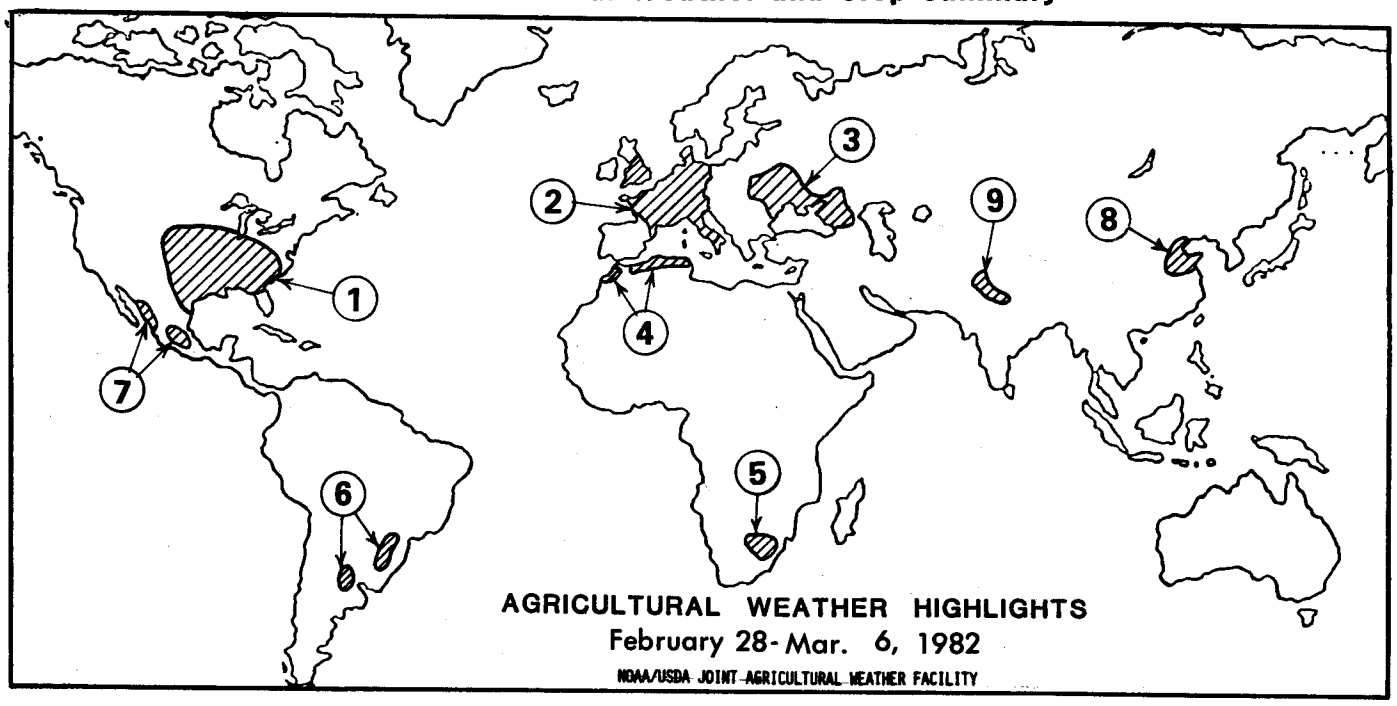
Central and eastern areas received additional moisture and fields generally were too wet for fieldwork. Statewide, topsoil moisture rated 43% adequate and 57% surplus and only 0.9 days were suitable for fieldwork. Topsoil moisture in the northern and western areas was generally adequate. Northern farmers have been able to overseed pastures and hayfields but elsewhere field preparation and plantings behind schedule. Few tobacco beds have been seeded and Eastern Short potato planting progress behind last year's early plantings. Drier field conditions expected to increase small grain top dressing activity. Maple syrup production in full swing in Highland County. Livestock continue to be affected by muddy lots increasing foot problems and scouring. Feed generally adequate but becoming short in a few areas.

WASHINGTON: West: Near to slightly above normal temperatures. Coastal precipitation ranged 0.50 to 1.00 in. above normal. Interior totals were near normal except in the Seattle-Everett area where reports were 0.60 to 1.25 in. above normals. Raspberry caning continued. Harvest of forced rhubarb winding down. Daffodil harvest continues. Dairy herds still on winter rations. Hay supplies adequate. Spring field preparation started in fields where standing water not a problem.

East: Average temperatues were 2 to 6° above normal. Central Basin precipitation was 0.20 in. above normal; 0.30 to 0.70 in. above in the Blue Mountains area; and 1.00 in. above normal in the north. Spring wheat, barley, and potatoes have begun to be planted. Other growers fertilizing in preparation for planting. Orchard pruning nearing completion. Soil moisture conditions very good. Fall grain stands range from average to good condition.

(Continued on back cover.)

International Weather and Crop Summary



1. UNITED STATES: Precipitation of latter part of week delays spring field work in the Corn Belt and corn planting from central Texas to Georgia. Warming soils favor some early cotton planting in southern Texas and Arizona and wheat greening in central Plains.

2. EUROPE: Wet weather benefits some western winter grains.

3. WESTERN USSR: Generally dry weather returns to the major winter grain area of the Ukraine and North Caucasus.

4. NORTHWESTERN AFRICA: Rainfall only in the east; most winter grain areas have adequate moisture.

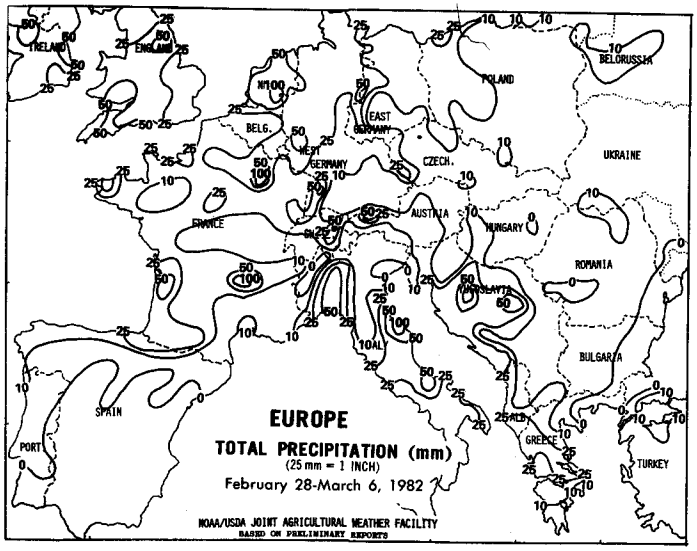
5. SOUTH AFRICA: Showers improve corn crop prospects very little.

6. SOUTH AMERICA: Showers benefit some Brazilian soybeans; dry weather favors maturing crops in Argentina.

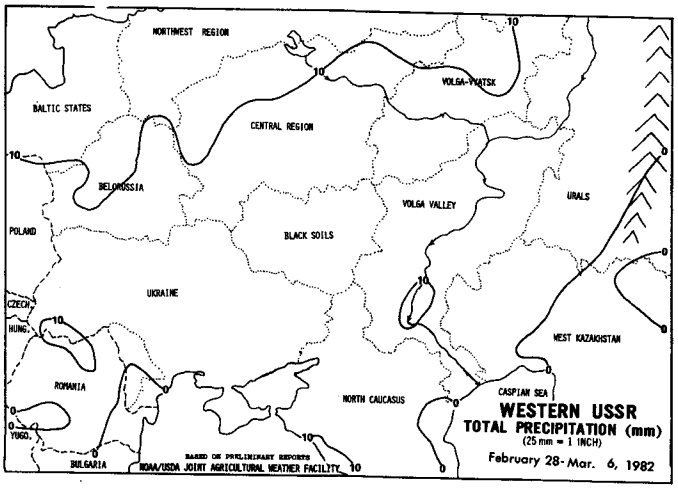
7. MEXICO: Rains improve soil moisture over some corn and bean areas of the southern Plateau. Sunny, warm conditions favor vegetable development and harvest along the west coast.

8. EASTERN ASIA: Some of China's northern winter grains benefit from light rain while others remain dry.

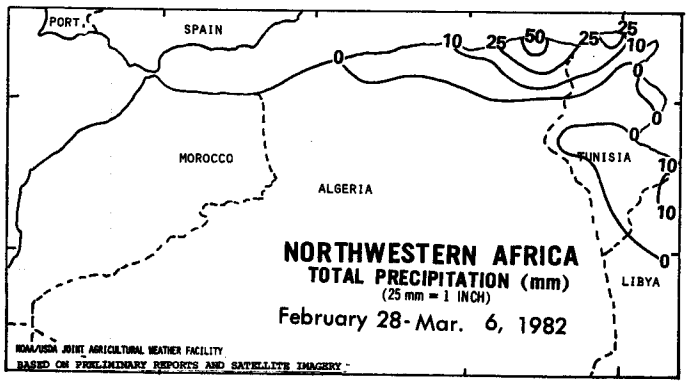
9. SOUTH ASIA: Rain and wind damage some winter grains in northern India and Pakistan



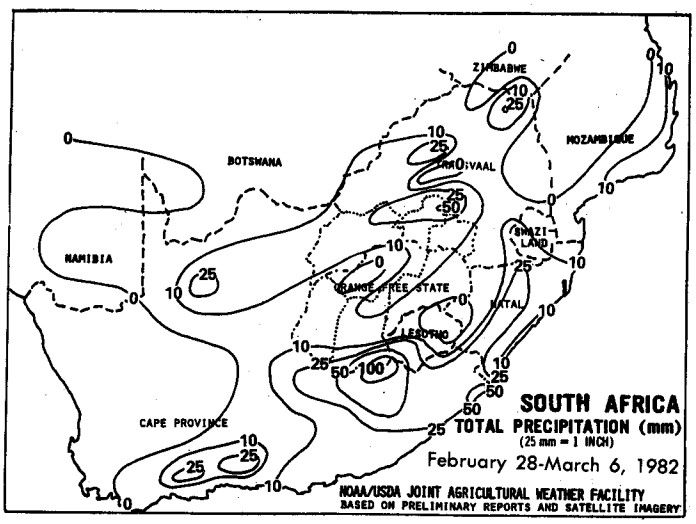
EUROPE: Generally dry weather occurred over the Iberian Peninsula. Winter grains in Spain should be in the vegetative stage, and additional moisture would be highly beneficial. In contrast, winter grain areas from northwestern Europe southward into France and Italy received as much as 25 to 50 mm of weekly precipitation. The precipitation in northern Italy was highly beneficial improving soil moisture conditions. In Eastern Europe, only light precipitation fell on most crop areas as high pressure dominated the region. Average temperatures for the week were above normal over most of Europe.



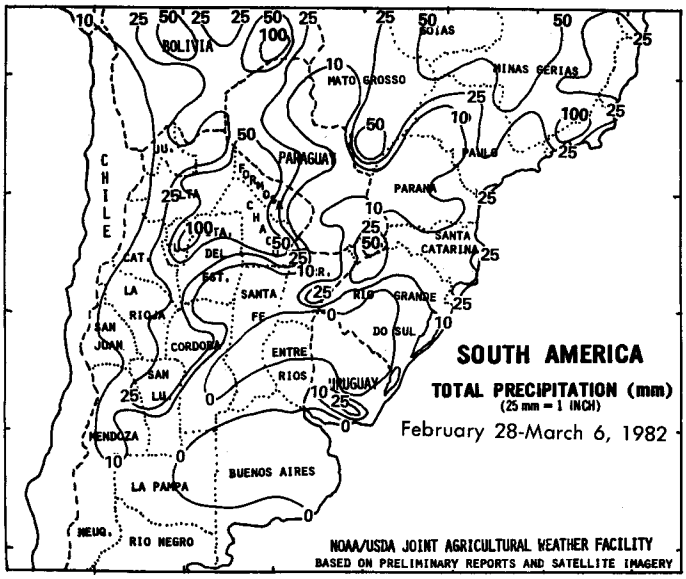
WESTERN USSR: Precipitation remained light with heaviest amounts, around 10 mm, falling on some northwestern grain areas. Generally dry weather returned to the major winter grain areas of the Ukraine and North Caucasus. Average temperatures were above normal over most of the region with many locations reporting daytime highs which were above freezing. Satellite imagery indicates that most of the Ukraine is without significant snowcover making this area vulnerable to potential winterkill in the event of a cold air outbreak.



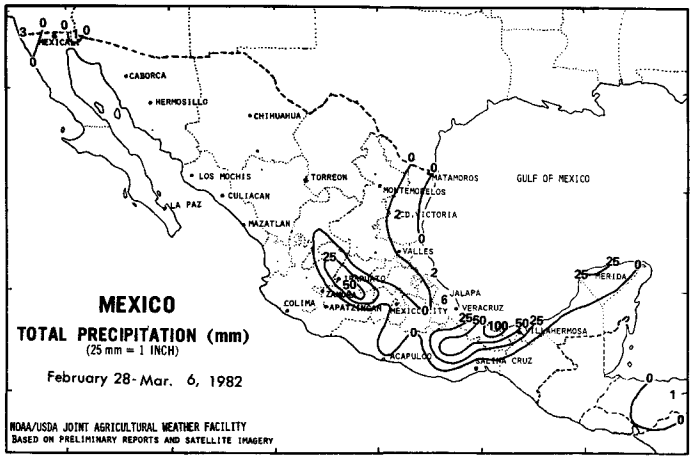
NORTHWESTERN AFRICA: Dry weather persisted for most of the week, but then a storm developed in the east. It dropped above-normal rainfall over many winter grain areas of Tunisia and Eastern Algeria, maintaining favorable growing conditions. Central Algeria had only light rain, and none fell on areas to the west, but soil moisture should have remained adequate for crop needs. Winter grains should be approaching the heading stage of development. Temperatures were generally above normal in the west and below normal in the east.



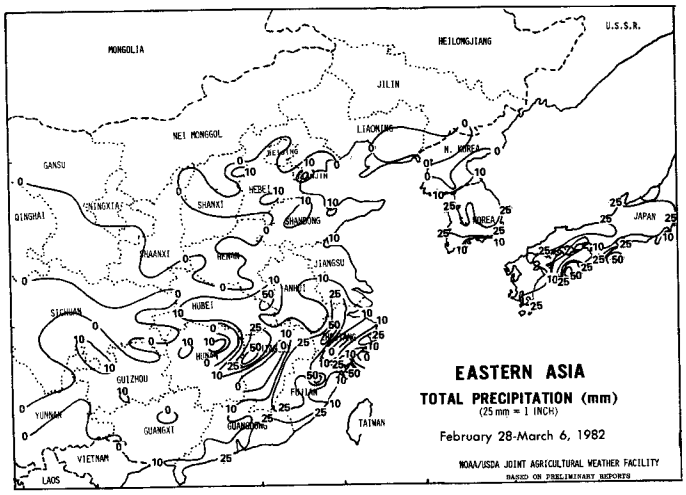
SOUTH AFRICA: Shower activity at midweek over much of the Maize Triangle probably did not improve the crop outlook much. Rainfall amounts were mostly greater than the previous week and may have helped the late filling of kernels. However, early-planted fields had already matured, and many areas had become too dry to benefit from the moisture. Overall crop prospects did not improve, and stood well below normal. Temperatures dipping slightly below normal had no impact.



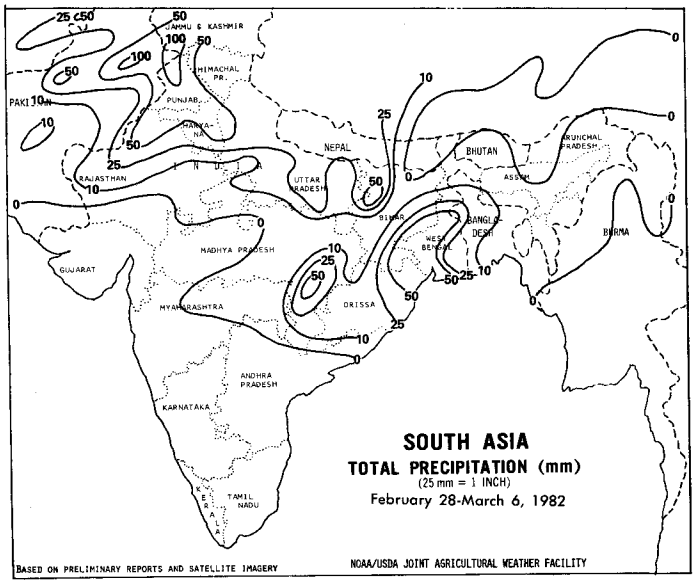
SOUTH AMERICA: Only scattered showers fell on corn and soybean areas of Sao Paulo and Parana. In contrast, crop areas of Santa Catarina and Rio Grande do Sul received 10 to 25 mm of weekly rainfall. Early harvest activity had only minor delays in Brazil. In Argentina, corn, sorghum, first-crop soybeans, and cotton benefited from dry weather as most are approaching maturity. Moisture supplies are adequate for second-crop soybeans, planted after the wheat harvest, but additional showers would benefit topsoils.



MEXICO: Rain over parts of the southern Plateau corn and bean area improved soil moisture, but several other districts remained dry. Weather was favorable for corn planting in some of the warm, low elevations of the south and upper northeast. Rains also supplied adequate moisture for crops along the coastal plains of the Bay of Campeche. Sunny, warm to mild weather prevailed over most other principal agricultural areas, especially over the West Coast where large scale harvesting of tender vegetables continued.



EASTERN ASIA: Light, above-normal precipitation continued over some northern parts of China's winter grain area. The moisture benefited the crop as above-normal temperatures permitted slow growth; however, subsoil moisture is still deficient and water supplies are reportedly diminishing. Very light rain in southern winter grain areas was adequate for the crop's minimal water needs. Further to the south, rainfall slackened to near normal following the previous week's heavy rains, and conditions should be favorable as the planting of early rice begins. In South Korea, above-normal precipitation of 20 to 30 mm across the country benefited winter grains as above-normal temperatures allowed continued growth in the south.



SOUTH ASIA: Wet weather continued in winter grain areas of northern India and Pakistan, and temperatures dropped much below normal. Winter grains should have been nearing maturity, and there were reports of rain and strong winds flattening crops. There have been no local damage estimates yet. The weather system triggered rainfall in Bangladesh and Eastern India, improving prospects for spring-harvested crops. Temperatures in the east dropped only slightly below normal.

NOAA/USDA Joint Agricultural
Weather Facility
Room 5844 USDA South Building
Washington, D.C. 20250

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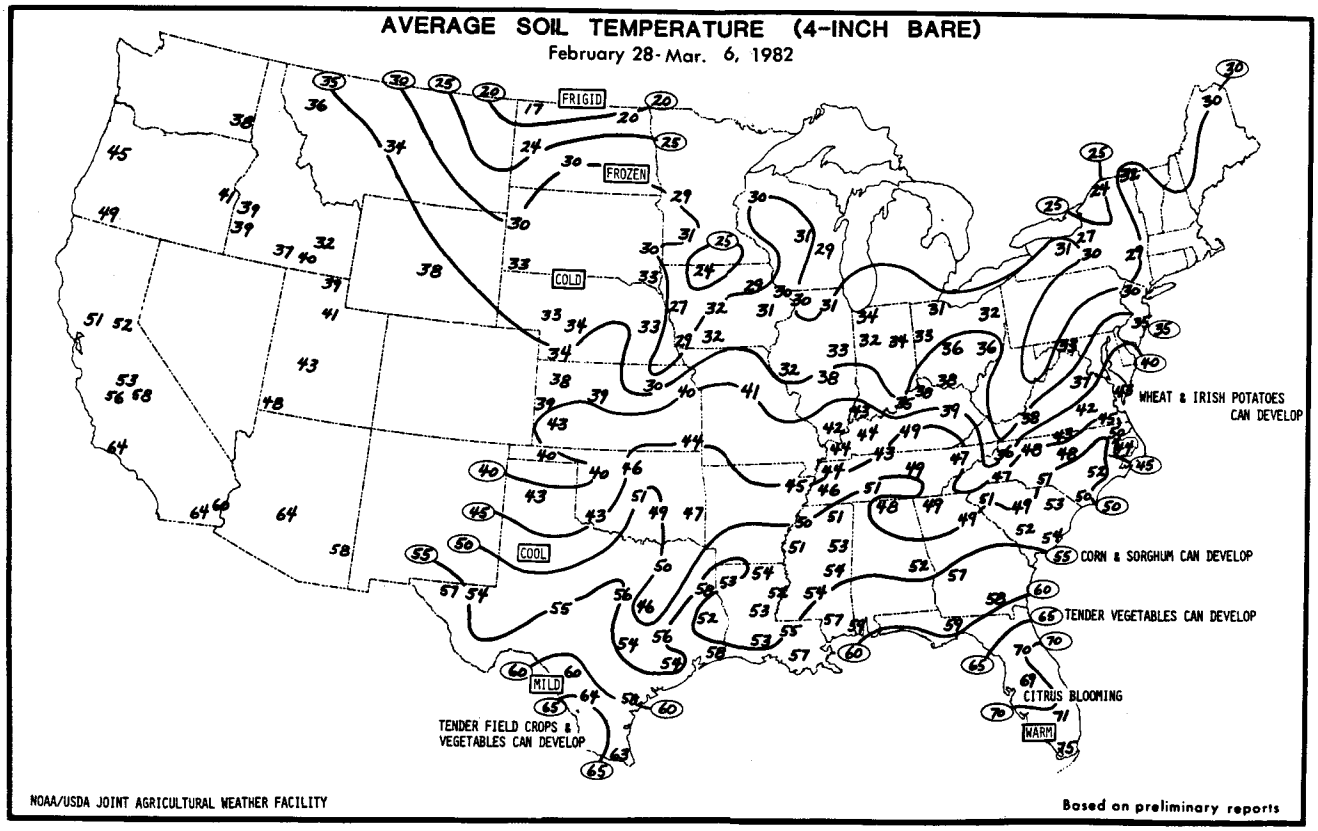

(Continued from page 17.)

HAWAII: Variable weather continued. Heavy rains along east coast Island of Hawaii, slowed crop progress. Weather most other Islands favorable. Crop progress fair to good. Spraying frequent to control disease and insect infestations. Vegetables: Supplies up for some crops. Head cabbage harvest forecast to decrease next 2 weeks because of planting gap. Bananas: Supplies light. Papayas: Production heavy. Most orchards at peak harvest. Pineapples: Canning resumed. Sugar: One major company announced 4 of 5 mills will have 2, 2 week shutdowns during the year because of depressed sugar prices. Pastures: Generally fair to good.

WEST VIRGINIA: Temperatures averaged below normal in northeast, near normal in the northwest and above normal elsewhere. High 69°, low 10°. Precipitation above average in northwest, north central, and southern areas and below normal in the southwest, central and northeast. Range: 0.09 to 1.44 in.

Soil moisture adequate to surplus. Days worked averaged 2.1. Hay short to adequate. Grain and other feeds adequate.

WISCONSIN: Seasonably mild weather prevailed early in the week. By mid-week temperatures dipped to below normal levels. Mid-week temperatures ranged from the teens to the 20's in the north and from the 20's to the 30's in the south. A snowstorm brought 6 to 8 in. of snow to south on the evening of the 3rd. Only trace amounts of snow were reported in the north from the same storm. The week's warm temperature, 39°, was reported in Madison on the 1st while Lake Thompson recorded the coolest temperature, -21°, on the 2nd.

WYOMING: Most reporting stations above average temperatures, although some norhteast locations had cold weather. Precipitation generally near normal with Big Horn Basin, quite dry.

Winter wheat mostly good condition, additional moisture will be needed for good development. Livestock mostly good condition; warm weather reducing stress. Some early calving, lambing farm flocks.