U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

MARCH 1962
Volume 67 No. 3

ASHEVILLE: 1962

NEW JERSEY - MARCH 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 81° on the 30th at Burlington

Lowest Temperature: -4° on the 3rd at High Point Park

Greatest Total Precipitation: 5.83 inches at Tuckerton

Least Total Precipitation: 1.57 inches at Newton

Greatest One-Day Precipitation: 2.53 inches on the 12th at Midland Park

Greatest Reported Total Snowfall: 10.0 inches at Flemington 1 NE

Greatest Reported Depth of Snow on Ground: 9 inches on the 7+ at High Point Park

SPECIAL WEATHER SUMMARY

GREAT ATLANTIC COAST STORM, MARCH 6-8

A slow moving late winter coastal storm combined with spring tides (maximum range) wrought tremendous destruction to coastal installations from southern New England to Florida on March 6-9. This storm, which consisted of a series of LOWS, has been described as one of the most damaging extratropical cyclones to hit the United States coastline. Although gale-force winds, and at times hurricane-force winds, accompanied the storm, this is not unusual for a North Atlantic winter extratropical cyclone. It was the long fetch and the persistence of these strong northeasterly winds which raised the spring tides to near-record levels. The tidal flooding which attended this storm was in many ways more disastrous than that which accompanies hurricanes. The storm surge in tropical cyclones generally receds rapidly after one or two high tides, but the surge accompanying this storm occurred in many locations on four and five successive high tides. In addition to this, many places reported run-up of waves 20 to 30 feet high.

This successive onslaught of wave and tidal action for over 2 days weakened and undermined even the more permanent shoreline structures, and after a period of time some suffered structural damage and collapsed. Needless to say many of the less sturdy summer cottages on the exposed coast were washed away completely.

The erosive effect of wave and tidal action changed the face of the immediate coastline, and on many of the well-known beaches the most severe loss was often the sand of the beach itself. In addition many new channels and inlets were cut in the shoreline. It may be many months before new surveys of the topography and hydrography of the area reveal all the numerous changes.

In New Jersey, as in other states along the coast, the major damage was restricted to property facing the beach itself. The entire coastline and even the Delaware Bay area suffered from the high tides. Highways along the coast were cut in many places or buried under several feet of sand. Thousands of homes along the coast were damaged or destroyed. One of the hardest hit areas was Long Beach Island. At Atlantic City the major damage was the cutting of the famed Steel Pier. The storm swept away the quarter-mile section of the pier which connects the auditorium at the end of the pier with the mainland boardwalk. A Navy destroyer, the MONSSEN, was beached about a half mile north of Beach Haven after breaking its tow. The destroyer was unmanned and was being towed to Philadelphia from Bayonne Navy Yard. Another destroyer, the PENOBSCOT, ran aground a little farther south.

The storm did an estimated $80 million damage in New Jersey. Deaths mounted to 15, with 6 other persons, including 5 aboard a fishing trawler, missing and presumed dead. Agricultural losses from the storm were chiefly due to flooding of around 1,000 acres in Cumberland County, along Delaware Bay.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office, % General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
MARCH 1962

Station		Temperature									No. of Days				Precipitation									
											Max.		Min.						Snow, Sleet			No. of Days		
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	90° or Above	32° or Below	32° or Below	0° or Below	Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
NORTHERN																								
BELVIDERE		49.9	27.2	38.6	- .7	76	30	7	3	813	0	2	23	0	2.50	- 1.58	1.52	12	2.5	2	6	3	2	1
BOONTON 2 SE		46.9	29.0	38.0	- .7	75	31	8	3+	831	0	3	18	0	3.03	- .83	1.37	13				4	3	1
CANOE BROOK		47.9	26.3	37.1	- .5	78	31	9	3+	856	0	3	27	0	4.21	- .09	1.51	13	4.0	2	7	4	3	2
CHARLOTTEBURG		45.3	25.8	35.6	- 1.0	74	31	5	2	905	0	4	26	0	3.12	- 1.35	1.22	13	2.8	6	7	4	3	1
ELIZABETH		51.9	30.9	41.4	.5	79	30	10	3	724	0	1	16	0	3.68	- .81	1.92	12	3.3	2	6	5	3	1
ESSEX FELLS SERV BLDG		47.7	28.1	37.9		78	31	8	3	834	0	3	22	0	3.81		1.70	13				3	3	2
FLEMINGTON 1 NE		50.5	27.8	39.2	- .9	79	30	8	3	792	0	1	20	0	2.95	- 1.04	1.45	12	10.0	7	6	4	3	1
HIGH POINT PARK		42.5	22.0	32.3		74	31	- 4	3	1010	0	6	29	3					3.0	9	7+			
JERSEY CITY		47.3	33.4	40.4	.6	76	30	10	3+	755	0	3	11	0	3.76	- .27	2.28	12	T	0		4	2	1
LAMBERTVILLE		50.8	29.1	40.0	.2	77	30	10	3+	768	0	1	20	0	2.89	- 1.17	1.35	12	5.5	4	6	4	3	1
LITTLE FALLS		50.2	29.8	40.0	.7	78	31	8	3	769	0	2	18	0	3.76	- .54	1.55	13	.5	1	1	4	3	2
LONG VALLEY		49.2	26.9	38.1		76	30	7	3+	829	0	2	26	0	3.21	- 1.07	1.65	12	4.2	4	6	4	3	1
MORRIS PLAINS		47.7	28.2	38.0		78	31	7	3	831	0	3	22	0	3.37		1.42	13	3.2			4	3	1
NEWARK WB AIRPORT	R	50.8	33.2	42.0	1.5	80	30	11	3	705	0	1	12	0	3.35	- .74	2.35	12	1.5	T	10+	4	1	1
NEWTON		46.2	25.5	35.9	- .5	77	31	6	3	893	0	3	25	0	1.57	- 1.88	.50	13	1.5	1	10+	4	1	0
PATERSON		48.9	32.5	40.7	1.2	79	31	10	3	748	0	3	10	0	3.94	- .51	1.92	13	T	0		3	3	2
PHILLIPSBURG		51.5	29.2	40.4	1.2	78	30	9	3	756	0	1	20	0	2.37	- 1.72	1.35	12	.0	0		4	1	1
PLAINFIELD		51.5	29.8	40.7	.8	80	30	10	3	748	0	1	20	0	4.33	.02	2.30	12	4.5			4	2	2
SOMERVILLE		50.2	28.6	39.4	- .1	78	30	9	3	785	0	2	22	0	2.89	- 1.08	1.54	12	2.5	3	6	4	2	1
SUSSEX		46.5	24.8	35.7	- 1.3	77	31	6	4+	902	0	3	29	0	1.71	- 1.69	.69	13				4	1	0
DIVISION				38.6	.0										3.18	- .92			2.9					
SOUTHERN																								
ATLANTIC CITY WB AP		50.2	31.4	40.8	- .3	74	30	12	4+	743	0	1	18	0	5.42	1.51	2.22	6	3.9	2	7	6	3	3
AUDUBON		51.5	31.6	41.6		79	30	11	2	720	0	1	15	0	4.40		1.35	12	8.0	8	6	5	3	3
BELLEPLAIN STA FOREST		52.0	29.0	40.5		78	30	10	3	751	0	1	23	0	3.22	- 1.20	1.08	12	T	0		5	3	2
BURLINGTON		52.4	31.7	42.1	- .1	81	30	12	3	705	0	1	13	0	3.39	- .95	1.50	12	4.0			4	3	1
CHATSWORTH		50.9	28.6	39.8		77	30	10	4+	774	0	1	20	0	3.60		1.90	12		0		4	3	1
CLAYTON		49.5	30.1	39.8		77	30	11	4+	774	0	1	21	0	4.05		1.27	21	4.5	5	7+	4	4	1
FREEHOLD		49.7	30.3	40.0	.0	78	30	9	3	768	0	1	22	0	3.89	- .35	2.29	12	6.8	6	7			1
HAMMONTON 2 NNE		50.1	30.7	40.4	- 1.5	77	31	13	4	760	0	0	18	0	3.21	- 1.05	.97	22		4	7	5	3	0
HIGHTSTOWN 1 N		50.5	30.4	40.5	.3	80	30	10	3	754	0	1	18	0	3.08	- .74	1.35	12	7.5	6	6	5	3	1
INDIAN MILLS 2 W		50.4	28.8	39.6	- 1.1	78	30	6	4	781	0	1	21	0	4.09	- .19	1.69	12	5.3	4	6	4	3	3
MILLVILLE		50.1	31.8M	41.0M		76	31	12	2	723	0	1	14	0	4.31		1.14	21				5	4	3
MILLVILLE FAA AIRPORT		50.6	30.2	40.4		77	30	10	4	754	0	1	22	0	4.59		1.25	21	4.0	4	7	6	4	3
MOORESTOWN		50.8	30.7	40.8	.1	78	30	12	3+	744	0	1	18	0	3.23	- .58	1.10	12	8.0	4	7	5	2	2
NEW BRUNSWICK EXP STA		49.8	29.7	39.8	- .4	77	30	8	3	775	0	1	19	0	3.19	- .56	1.77	12	5.0	4	6	4	3	1
NEW MONMOUTH		50.1	31.5	40.8		80	30	11	3	745	0	1	17	0	4.16		2.16	12	3.5	3	6	4	3	2
PEMBERTON 3 E		51.3	28.4	39.9	- 1.7	79	30	9	3	770	0	1	21	0	4.23	.38	1.58	12	7.0	6	6	6	3	2
SHILOH		51.0	31.3	41.2	- 1.0	76	30	11	2	734	0	1	17	0	3.65	- .11	1.91	12				3	2	2
TOMS RIVER		50.7	30.1	40.4		79	30	9	4	756	0	2	20	0	5.00		2.40	12				6	3	2
TRENTON WB CITY	R	49.7	33.1	41.4	.7	78	30	11	3	722	0	1	12	0	3.65	- .19	1.44	12	4.9	4	7	5	3	1
TUCKERTON		49.9	30.2	40.1		67	30	9	3	766	0	0	18	0	5.83		1.25	12	1.0	0		8	5	2
WOODSTOWN		51.5	30.5	41.0		78	30	12	3+	736	0	1	19	0	3.30		1.37	12	5.0	2	6	4	3	2
DIVISION				40.6	- .3										3.98	- .10			4.9					
COASTAL																								
ATLANTIC CITY	R	45.6	34.5	40.1	- 1.4	55	28+	19	2	768	0	0	6	0	4.56	1.03	1.74	6				6	3	2
CAPE MAY 3 W		47.8M	34.7M	41.3M		62	30	15	2	730	0	1	9	0	3.51		1.01	12	T	0		7	3	1
LONG BRANCH	R	48.3	32.3	40.3	.5	75	30	12	3	757	0	1	14	0	4.49	.12	2.11	12	5.5	5	6	5	3	2
DIVISION				40.6	.1										4.19	.27			2.8					

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
ATLANTIC CITY WB AIRPORT	W	18	12.0	44++	E	6	71	73	47	58	3	3	3	0	2	1	12	59	4.8
LONG BRANCH	NW	14	13.2	68	NE	6	-	64	53&	57	3	2	2	1	1	1	10	70	4.5
NEWARK WB AIRPORT	NW	15	12.8	37++	ENE	6	58	61	44	47	4	3	3	0	0	1	11	-	4.0
TRENTON WB CITY	NW	-	11.8	42	NE	6	-	-	-	-	3	2	2	2	1	0	10	71	4.6
& 12:00 Noon																			

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
MARCH 1962

Station	Total	Day of Month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	5.42					T	2.22			.16	.02	.14	1.51	T						T	.06	1.08	.02									.21
ATLANTIC CITY R	4.56						1.74			.14	.01	.08	1.16								.13	.97										.33
AUDUBON	4.40					T	1.09			.06	.37	T	1.35									1.18										.35
BASS RIVER ST FOREST	5.22						*	1.91			*			1.66							.06		1.09								.50
BELLEPLAIN STA FOREST	3.22						.69	.06		T	.17		1.08								.14	1.03	.05									
BELVIDERE	2.50					T	.25				.04		1.52									.57	.09									.03
BERNARDSVILLE 2 E	4.37						.36	.61			.04		.87	1.62									.87									
BLACKWELLS MILLS	2.80	.10					.23	.46			.52		.69	.04									.76									
BOONTON 2 SE	3.03	.03					.17	T			T		.76	1.37	T	T		T					.70									
BOUND BROOK 1 W	3.05	.05					.29	.12			T		1.74	.07									.78									
BRANCHVILLE	2.34	.04					.17				.05		.66	.92	.02								.48									T
BURLINGTON	3.39						.75			.02	.18		1.50									.92	.02									
CANISTEAR RESERVOIR	2.29	T					.19	T			.03		.66	.70	T							T	.71									
CANOE BROOK	4.21	.03					.15	.09			.03		1.49	1.51									.91									
CANTON	3.59						.36	.34			.05		1.70	.05							.04	.22	.83									
CAPE MAY 3 W	3.51	.03					.52	.26		.09	.23		1.01	.07							.11	.82	.41									
CEDAR GROVE	3.96	.04					.04	.06					1.25	2.02									.55									
CHARLOTTEBURG	3.12	.06					.23	.04			.01		.78	1.22	T			T					.81									
CHATHAM	4.12	T					.20	.02			.02		1.14	1.79									.95									
CHATSWORTH	3.60						.60	.09			.18		1.90									.83										
CLAYTON	4.05					T	.65	.04		.05	.07	.95	.97	T								1.27										.05
CLINTON	2.83						.30	.02			.06		1.40	.02								.85	.18									
ELIZABETH	3.68					.01	.56	.50			.05		1.92	.01								.48	.15									
ELIZABETHPORT	3.46					.10	.29			.06	.01	.03	1.80									.81										.36
ESSEX FELLS SERV BLDG	3.81						*	.06					1.30	1.70									.75									
FLEMINGTON 1 NE	2.95	T				T	.65	.02			.07		1.45	.02		T	T	T				.54	.20									T
FORTESCUE	3.38						.32	.37			.13		.96								.27	.20	1.13									
FREEHOLD	3.89					T	*	.60			.10		2.29									.58	.32									
GREENWOOD LAKE	2.35	.06					.18				.01		.60	1.00	T			T					.50									
HAMMONTON 2 NNE	3.21						.23	.33			.09		.85	.69							.03	.02	.97									
HIGH POINT PARK	-						.07						-	.40	T								.29									
HIGHTSTOWN 1 N	3.08					T	.90	T			.12		1.35	T	T							.53	.18									
INDIAN MILLS 2 W	4.09					T	1.20	.03		.03	.10		1.69							T	1.00	.04									
IRVINGTON	3.64					.03	.37			.04	.01	.02	2.21								.52										.44
JERSEY CITY	3.76					T	.21			T	T		2.28								.80										.47
LAMBERTVILLE	2.89					T	.65			T	.13		1.35								.72	.04									
LITTLE FALLS	3.76	.03					.15	.01			T		1.39	1.55									.63									
LONG BRANCH R	4.49					T	1.15			.14	T	.05	2.11								.01	.78	.02									.23
LONG VALLEY	3.21					.03	.74			T	.01		1.65	T				.01				.61	.13									.03
MAHWAH	2.47	.09					.03				T		.58	1.11				T					.66									
MANVILLE	2.24	.01					.12	.11			.05		.40	.70									.85									
MAYS LANDING	4.15	.02					.57	.97			.17		1.00	.32							.09	.04	.97									
MIDLAND PARK	3.55					.07	.07			T	T		2.53									.64	.01									.23
MILLVILLE	4.31						1.13			.09	.04	.16	1.01								.06	1.14										.68
MILLVILLE FAA AIRPORT	4.59					.01	1.10	T		.13	.05	.16	1.08	.03						.02	.07	1.25	.01									.68
MILTON	1.64						.12	.05			.04		.33	.56	.04					.03			.47									
MOORESTOWN	3.23	.01					.26	.41			.05		1.10	.27							.01	.03	1.09									
MORRIS PLAINS	3.37	.03					.22	.06			.02		.95	1.42	T	T		T				T	.67									
NEWARK WB AIRPORT R	3.35					T	.23			.02	.01	.02	2.35		T							.40	T				T					.32
NEW BRUNSWICK EXP STA	3.19					T	.55				.10		1.77	T								.77										
NEW MILFORD	2.44					.06	.06						1.66									.50										.16
NEW MONMOUTH	4.16						1.06				.09		2.16									.31	.54									
NEWTON	1.57	T					.10	T			.02		.47	.50									.48									
OAK RIDGE RESERVOIR	2.13	.03					.21	.04			.04		.72	.54	.03								.52									
OLDWICK	3.19	.03					.30	.23			.05		.95	.84									.79									
ORANGE	3.95						.26				.32		2.40	.40								.09	.48									
PATERSON	3.94	.04					.09	.04			.09		1.16	1.92	.02								.58						T			
PEMBERTON 3 E	4.23						1.30	.30			.12		1.58								.03	.69	.21									
PHILLIPSBURG	2.37						.22	.05					1.35	T								.45	.30									
PHILLIPSBURG BRIDGE	2.33	T					.04	.07					.95	.55	.04								.68									T
PLAINFIELD	4.33					.03	.40				.08		2.30									1.04										.48
PRINCETON WATER WORKS	3.89					T	1.13			.02		.06	1.45									.71										.52
RANWAY	3.30					.05	.23			T		T	1.90									.77										.35
RINGWOOD	2.55						.14						1.18	.52								T	.71									
SHILOH	3.65						.45	.07		.05	.07		1.91								.06	1.02	.02									
SOMERVILLE	2.89					.04	.46						1.54									.69	.16									
SPLIT ROCK POND	2.55						.15						*	1.72									.68									
SUSSEX	1.71						.16	.02			.03		.38	.69									.43									
TOMS RIVER	5.00					T	1.09	.17			.17		2.40								.01	.43	.73									
TRENTON WB CITY R	3.65					T	.93			.13	.03	.04	1.44	T							T	.78									.30
TUCKERTON	5.83					T	.95	1.20	.15	T	.35		1.25								.85	.75	.33									
WANAQUE RAYMOND DAM	2.70	.07					.16	T			T		.72	.93	T							T	.82									
WERTSVILLE	2.80	.30					.16	.17			.08	T	1.05	.35		T							.69									
WEST WHARTON	2.99	.05					.29	.13			.02		.58	1.19									.73									
WOODCLIFF LAKE	2.70					.07	.09						1.79									.55										.20
WOODSTOWN	3.30						.70			T	.10		1.37								.04	1.05	.04									

See reference notes following Station Index.

DAILY TEMPERATURES

NEW JERSEY
MARCH 1962

Station		Day Of Month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	42	32	36	39	39	38	38	40	40	49	49	59	55	49	50	47	47	48	54	50	47	57	55	55	59	57	54	64	67	74	67	50.2
	MIN	18	12	13	12	24	32	30	29	30	30	30	41	38	35	34	30	32	28	24	38	37	35	32	29	37	35	35	32	40	49	53	31.4
ATLANTIC CITY	MAX	40	33	36	39	40	37	36	37	39	42	42	53	51	46	49	47	46	48	51	47	44	47	48	52	55	49	49	55	49	52	54	45.6
	MIN	22	19	20	20	29	33	34	34	34	34	34	40	37	36	34	33	34	32	34	41	39	36	36	34	36	38	41	37	44	46	48	34.5
AUDUBON	MAX	42	31	36	40	39	37	40	42	41	49	48	57	54	50	52	48	42	51	56	51	49	56	51	58	59	60	61	65	76	79	75	51.5
	MIN	16	11	13	17	20	32	30	27	23	32	30	37	37	35	36	28	31	30	27	40	35	36	36	35	37	33	38	33	37	52	55	31.6
BELLEPLAIN STA FOREST	MAX	45	32	36	40	41	39	39	40	42	50	41	59	58	50	52	50	49	51	55	56	49	56	57	58	62	58	58	65	73	78	74	52.0
	MIN	30	11	10	14	15	33	31	26	31	33	24	40	32	30	29	25	31	22	18	40	32	35	25	25	32	27	27	30	33	51	57	29.0
BELVIDERE	MAX	38	27	31	35	35	34	40	44	41	50	50	46	51	48	48	46	44	47	52	53	50	59	57	55	58	61	59	65	74	76	72	49.9
	MIN	20	8	7	10	24	30	28	17	18	27	24	32	30	30	32	26	33	28	23	33	35	31	33	26	33	30	35	26	28	41	44	27.2
BOONTON 2 SE	MAX	40	29	26	30	35	37	35	39	42	38	48	48	50	49	45	47	45	46	45	50	51	42	54	54	52	55	58	56	63	71	75	46.9
	MIN	22	8	8	12	16	27	31	27	21	24	25	33	34	35	36	33	32	30	26	34	32	33	34	32	35	32	34	35	27	42	48	29.0
BURLINGTON	MAX	42	29	36	39	40	40	39	40	40	48	51	55	56	56	58	48	47	49	56	54	50	55	56	56	60	61	59	66	79	81	77	52.4
	MIN	24	13	12	16	26	30	32	27	25	32	33	33	37	36	36	33	28	25	25	38	36	36	36	35	37	34	35	34	38	49	53	31.7
CANOE BROOK	MAX	39	28	27	31	36	38	36	39	43	42	49	47	47	51	46	47	47	47	47	52	53	43	53	56	53	57	59	55	63	75	78	47.9
	MIN	22	9	9	13	17	27	23	17	18	28	30	33	30	30	32	26	31	29	21	30	29	32	26	25	35	25	32	26	26	40	45	26.3
CAPE MAY 3 W	MAX	43	34	32	33	41	44	39	41	41	41	46	56	50		49	49	46	46	51	51	52	49	50	51	55	55	54	57	58	62	58	47.8
	MIN	31	15	18	21	26	32	27	31	33	35	33	40	38		36	37	35	36	31	41	38	37	38	38	42	41	37	39	42	47	47	34.7
CHARLOTTEBURG	MAX	39	22	20	30	32	35	35	40	42	37	49	45	42	47	43	44	43	45	43	50	53	40	54	51	50	54	58	53	63	72	74	45.3
	MIN	18	5	6	7	11	23	29	21	12	14	21	29	33	33	34	30	30	27	26	28	28	29	32	29	31	31	32	31	29	47	44	25.8
CHATSWORTH	MAX	41	31	37	40	39	38	37	39	38	48	46	57	56	50	50	48	48	50	55	51	48	55	57	54	60	60	57	63	74	77	74	50.9
	MIN	27	10	10	10	19	27	26	22	21	31	26	37	34	32	33	28	33	28	19	38	31	33	27	34	35	31	38	28	30	42	48	28.6
CLAYTON	MAX	41	25	35	39	39	36	36	37	41	40	47	49	51	51	50	45	46	47	54	49	47	54	54	54	60	60	59	63	74	77	74	49.5
	MIN	11	12	13	11	28	31	27	25	32	31	31	40	34	31	29	31	32	28	26	26	36	26	32	33	34	35	37	32	35	55	50	30.1
ELIZABETH	MAX	39	29	34	38	41	39	39	45	42	51	50	48	54	48	52	52	50	51	56	55	47	55	59	55	60	63	59	67	75	79	77	51.9
	MIN	24	11	10	13	29	32	32	29	25	31	30	35	33	33	34	32	32	29	25	37	34	34	35	29	36	34	37	35	35	44	50	30.9
ESSEX FELLS SERV BLDG	MAX	38	28	28	32	34	36	35	40	44	39	48	43	46	51	47	49	47	48	47	54	52	42	54	55	54	57	59	56	64	74	78	47.7
	MIN	23	9	8	14	16	28	31	23	22	26	25	33	34	31	34	28	32	26	24	33	30	32	30	25	34	29	33	29	34	45	49	28.1
FLEMINGTON 1 NE	MAX	40	27	33	36	40	36	39	44	38	51	47	46	52	50	47	48	47	49	55	55	50	57	55	54	58	59	58	65	75	79	76	50.5
	MIN	20	10	8	12	22	31	32	25	17	28	22	35	37	34	33	27	32	29	19	34	29	34	32	30	34	33	34	23	27	36	44	27.8
FREEHOLD	MAX	37	29	34	36	39	35	39	39	35	46	46	50	54	48	50	48	48	48	54	51	46	53	56	55	58	60	56	63	74	78	75	49.7
	MIN	24	10	9	10	28	31	30	27	23	30	30	34	37	32	32	29	32	29	30	39	34	32	31	28	33	32	36	32	35	48	53	30.3
HAMMONTON 2 NNE	MAX	43	33	33	35	38	38	34	37	44	42	47	52	59	55	51	51	48	47	49	56	55	48	55	56	56	60	59	57	64	74	77	50.1
	MIN	28	15	16	13	22	28	30	22	24	24	28	34	39	33	31	29	29	30	27	37	35	34	33	30	34	34	37	32	38	50	55	30.7
HIGH POINT PARK	MAX	35	19	20	24	31	29	28	35	36	34	46	40	38	44	39	41	39	40	45	51	57	35	51	48	46	53	53	54	61	70	74	42.5
	MIN	11	- 3	- 4	- 3	8	18	22	20	18	24	22	26	28	26	25	24	25	20	22	28	30	25	26	22	26	25	27	30	30	45	40	22.0
HIGHTSTOWN 1 N	MAX	38	28	33	36	40	36	39	39	37	48	43	51	52	52	49	49	48	48	54	54	47	56	58	56	58	62	58	66	76	80	75	50.5
	MIN	25	11	10	12	28	32	32	23	22	30	27	35	34	34	33	30	33	29	27	38	32	34	33	29	32	30	37	34	38	48	51	30.4
INDIAN MILLS 2 W	MAX	41	29	34	37	38	36	38	43	39	47	47	58	53	48	50	46	46	49	54	52	48	54	55	55	58	60	57	62	75	78	75	50.4
	MIN	23	10	11	6	17	31	30	24	19	31	23	36	33	32	34	26	32	30	21	38	31	34	28	27	34	30	36	27	34	52	53	28.8
JERSEY CITY	MAX	36	23	32	32	36	33	38	40	42	47	45	46	50	46	47	44	45	44	54	50	45	48	51	54	57	55	52	63	70	76	65	47.3
	MIN	13	10	10	14	28	30	31	29	30	32	34	38	39	38	38	35	35	32	34	41	33	33	39	35	36	40	36	40	47	51	54	33.4
LAMBERTVILLE	MAX	39	29	35	38	40	37	40	43	40	50	47	50	52	50	48	47	47	49	53	54	50	58	57	55	58	60	59	65	74	77	74	50.8
	MIN	23	10	10	12	23	32	31	25	20	30	27	36	31	33	34	27	34	32	22	39	33	33	29	29	35	29	33	28	31	43	47	29.1
LITTLE FALLS	MAX	40	31	32	35	36	38	38	43	46	45	52	51	48	53	49	50	48	50	49	55	54	44	57	58	58	56	60	57	67	76	79	50.2
	MIN	23	10	8	14	20	30	32	26	23	27	26	34	35	33	35	32	33	30	30	35	32	33	31	30	30	37	34	35	33	43	50	29.8
LONG BRANCH	MAX	40	26	33	35	38	35	38	39	39	45	40	46	53	48	50	48	48	48	52	47	43	53	56	55	59	56	55	63	68	75	65	48.3
	MIN	16	13	12	15	28	32	33	29	26	32	31	36	37	34	35	30	34	30	29	40	38	36	35	32	36	34	39	36	41	52	50	32.3
LONG VALLEY	MAX	39	26	31	34	37	35	38	42	41	48	45	47	51	47	47	46	48	47	51	52	48	56	55	54	57	59	57	65	73	76	74	49.2
	MIN	21	7	7	13	26	31	30	20	22	29	23	33	32	29	30	26	31	29	20	28	28	31	31	27	35	33	31	27	26	36	41	26.9
MILLVILLE	MAX	45	34	31	35	39	41	38	39	43	43	47	53	59	55	49	50	48	48	49	55	53	47	55	55	56	59	59	58	62	73	76	50.1
	MIN	30	12	13	16	20			25	30	33	30	31	36	37	33	33	33	32	26	38	38		33	32	36	36	34	35	38	49	52	31.8
MILLVILLE FAA AIRPORT	MAX	41	31	35	40	40	38	37	40	42	47	50	58	53	48	49	46	48	49	54	53	47	55	55	57	58	57	58	62	72	77	73	50.6
	MIN	18	13	13	10	20	32	30	26	31	29	27	36	36	34	31	31	32	28	21	38	38	31	31	29	34	32	32	31	35	52	56	30.2
MOORESTOWN	MAX	40	30	34	37	40	35	39	41	40	48	47	56	53	49	50	46	48	50	55	53	48	55	57	57	59	59	59	63	75	78	74	50.8
	MIN	15	12	12	14	25	31	30	22	22	28	27	37	36	36	37	32	34	28	26	37	34	35	31	33	30	32	36	32	40	52	57	30.7
MORRIS PLAINS	MAX	38	28	29	30	35	35	34	39	42	39	48	47	45	52	47	48	48	48	47	52	53	42	54	56	54	57	60	56	65	74	78	47.7
	MIN	21	8	7	11	21	28	31	26	20	24	23	33	34	34	33	32	31	29	23	31	29	32	30	30	36	36	34	31	31	40	46	28.2
NEWARK WB AIRPORT	MAX	40	29	34	36	38	36	41	44	42	50	48	48	53	48	50	49	49	49	54	51	46	55	57	56	59	60	56	65	76	80	76	50.8
	MIN	15	13	11	15	27	32	33	30	29	32	32	35	38	36	37	34	34	32	30	40	35	35	39	33	38	39	39	39	42	50	55	33.2
NEW BRUNSWICK EXP STA	MAX	40	28	33	36	40	36	40	40	38	47	47	48	52	48	49	47	49	47	53	51	49	54	56	55	58	59	55	63	74	77	75	49.8
	MIN	22	9	8	12	26	30	32	25	23	28	28	34	34	33	33	28	32	27	26	39	32	33	31	29	33	31	35	33	37	45	53	29.7
NEW MONMOUTH	MAX	39	28	33	35	37	37	39	40	38	47	47	47	54	48	50	49	48	48	54	54	48	52	57	55	58	57	57	64	77	80	77	50.1
	MIN	24	12	11	15	28	31	31	30	24	31	26	35	36	34	33	30	33	30	30	39	32	34	33	30	35	32	38	36	39	52	52	31.5
NEWTON	MAX	40	24	25	28	35	34	33	38	40	38	46	47	45	47	45	45	44	45	45	53	51	42	55	53	52	55	57	56	63	75	77	46.2
	MIN	20	7	6	11	14	23	30	14	13	20	20	22	30	32	35	25	32	28	23	31	30	35	34	26	32	33	28	25	28	42	43	25.5
PATERSON	MAX	40	30	25	35	30	38	37	43	45	48	48	50	46	54	48	51	50	50	47	53	54	44	54	48	56	58	60	56	65	75	79	48.9
	MIN	25	12	10	14	18	30	33	29	25	29	30	34	37	36	37	33	38	39	33	36	36	33	37	33	38	37	37	38	39	47	53	32.5
PEMBERTON 3 E	MAX	40	30	36	39	39	37	37	42	38	49	46	56	55	51	50	47	48	51	55	50	49	57	57	57	59	61	59	63	76	79	76	51.3
	MIN	24	10	9	10	20	32	29	21	18	30	25	35	33	34	34	27	32	27	20	37	30	31	28	24	34	28	34	28	33	50	54	28.4
PHILLIPSBURG	MAX	41	27	34	35	38	37	40	45	46	50	50	49	51	50	48	47	47	49	54	51	53	59	59	58	59	60	60	68	76	78	77	51.5
	MIN	22	10	9	12	23	30	25	22	23	30	28	34	31	33	34	29	35	29	31	35	36	32	33	28	36	30	34	30	30	45	46	29.2
PLAINFIELD	MAX	33	31	35	38	40	35	41	45	41	52	47	46	54	49	51	50	51	50	54	53	45	57	60	58	61	63	60	66	75	80	77	51.5
	MIN	25	11	10	14	28	33	30	27	23	29	27	35	32	32	32	30	32	28	24	35	33	33	32	30	36	32	36	33	33	41	49	29.8
SHILOH	MAX	42	30	35	39	39	37	37	41	41	47	52	57	55	48	50	48	49	50	54	53	53	53	55	55	59	58	59	62	73	76	73	51.0
	MIN	28	11	13	14	21	32	27	25	26	32	29	38	38	34	30	31	31	30	28	39	37	35	33	31	34	33	33	34	38	49	55	31.3

See reference notes following Station Index.

Continued

DAILY TEMPERATURES

Station		Day Of Month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SOMERVILLE	MAX	38	28	32	35	40	36	40	44	40	50	46	46	52	48	48	48	48	48	53	54	48	56	57	54	58	60	57	64	74	78	75	50.2
	MIN	22	10	9	10	28	31	32	24	21	30	25	35	33	31	32	29	33	28	20	35	30	33	32	30	35	31	35	28	29	40	46	28.6
SUSSEX	MAX	39	27	28	30	34	35	34	41	45	38	48	50	43	46	43	44	42	45	44	54	51	39	57	53	50	52	58	55	63	75	77	46.5
	MIN	20	7	6	6	11	22	30	18	12	14	20	25	32	32	34	30	31	28	22	27	29	30	30	28	30	31	31	28	29	29	47	24.8
TOMS RIVER	MAX	32	31	34	37	40	34	37	40	40	46	44	53	55	56	49	55	48	48	54	52	50	54	56	57	60	58	59	63	74	79	76	50.7
	MIN	28	14	10	9	23	32	29	26	23	32	25	37	36	34	33	27	32	32	25	40	33	34	28	27	35	29	40	28	32	48	53	30.1
TRENTON WB CITY	MAX	41	27	34	37	39	35	39	39	38	48	43	54	51	48	47	46	46	48	54	51	47	55	57	54	59	59	57	63	74	78	74	49.7
	MIN	14	12	11	15	30	32	33	30	29	30	32	36	38	36	36	32	34	32	33	40	37	36	37	34	36	38	38	38	42	50	56	33.1
TUCKERTON	MAX	42	40	36	40	40	39	40	38	40	46	46	57	56	50	50	50	48	50	56	49	47	53	54	57	60	59	53	60	60	67	65	49.9
	MIN	28	11	9	10	18	30	31	28	25	33	25	38	37	34	31	29	32	30	21	40	33	35	30	26	36	33	38	30		47	51	30.2
WOODSTOWN	MAX	43	30	35	40	38	37	38	40	42	48	49	57	53	48	50	46	48	50	54	54	52	57	57	57	61	59	60	65	75	78	75	51.5
	MIN	27	12	12	14	19	32	29	24	24	32	27	38	36	34	33	31	32	30	24	39	37	34	32	31	35	32	33	29	33	49	52	30.5

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																															
PLOT #1																															
1 INCH	MAX	33	32	31	28	28	28	28	29	29	36	35	36	40	36	41	42	42	42	44	44	41	46	48	45	46	50	42	51	52	55	57	39.9
	MIN	30	29	28	28	28	28	28	28	28	28	28	31	33	32	36	35	36	35	35	39	38	38	37	37	37	38	41	40	41	45	50	34.2
2 INCHES	MAX	33	32	31	28	28	28	28	28	28	35	34	36	39	36	41	42	41	42	43	44	40	45	46	45	45	48	48	50	51	54	56	39.3
	MIN	30	29	28	28	28	28	28	28	28	28	28	31	33	32	36	35	36	35	35	39	38	38	37	37	37	38	41	40	41	45	50	34.2
4 INCHES	MAX	33	33	33	29	29	29	29	29	29	32	32	34	37	36	41	40	40	40	41	42	40	42	44	43	43	45	45	47	48	50	52	38.1
	MIN	32	30	29	29	29	29	29	29	28	29	30	31	33	33	37	37	37	36	37	39	39	39	39	39	39	39	42	42	42	45	48	35.3
8 INCHES	MAX	35	35	34	30	30	30	30	29	30	31	31	33	35	35	42	39	39	39	40	40	40	41	42	41	42	43	44	44	45	48	51	37.6
	MIN	33	31	30	30	29	30	29	29	29	30	30	31	33	33	38	38	38	37	37	39	39	39	39	39	40	40	42	42	42	45	48	35.7
16 INCHES	MAX	36	36	36	32	31	32	31	31	31	31	31	33	33	34	42	39	39	39	39	39	40	40	40	41	40	41	42	42	43	45	47	37.2
	MIN	34	33	32	31	31	31	31	30	31	30	31	31	33	33	38	38	38	38	37	39	39	39	40	40	40	40	42	42	42	44	45	36.2
32 INCHES	MAX	37	38	38	34	33	34	34	33	33	33	33	33	34	34	42	39	39	39	39	39	40	40	40	40	40	41	41	41	42	43	44	37.7
	MIN	34	34	33	34	33	33	33	33	33	32	32	32	33	33	38	38	38	39	39	39	39	40	40	40	40	40	41	41	41	42	43	36.8
PLOT #2																															
1 INCH	MAX	35	32	31	28	28	29	28	28	29	42	43	39	48	42	47	48	47	48	52	51	42	52	56	52	52	59	56	61	62	66	66	45.1
	MIN	30	28	24	21	28	28	28	28	28	28	29	32	32	30	38	34	34	34	33	39	36	34	34	34	34	35	39	36	38	45	51	33.0
2 INCHES	MAX	35	32	31	28	28	29	28	28	28	41	42	39	47	42	47	47	47	48	51	50	42	51	55	51	52	58	55	60	62	65	65	44.3
	MIN	30	28	25	23	28	28	28	28	28	28	29	32	32	30	38	34	34	34	33	39	36	34	34	34	34	35	39	36	38	45	51	33.0
4 INCHES	MAX	35	33	32	28	28	28	28	28	28	38	39	38	44	35	44	45	45	45	49	48	41	50	52	49	49	54	52	57	58	61	62	43.1
	MIN	31	29	28	27	28	28	28	28	28	28	30	32	32	31	40	35	35	35	34	40	37	35	36	36	36	36	40	38	40	47	52	34.1
8 INCHES	MAX	33	34	33	29	29	29	29	29	29	34	35	35	38	39	40	41	41	41	42	44	41	45	46	45	43	46	47	49	51	54	55	39.4
	MIN	32	30	29	29	29	29	29	28	28	28	31	33	33	33	40	37	37	37	36	40	40	36	38	39	39	39	43	42	43	47	50	35.5

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Electronik Potentiometer.

Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

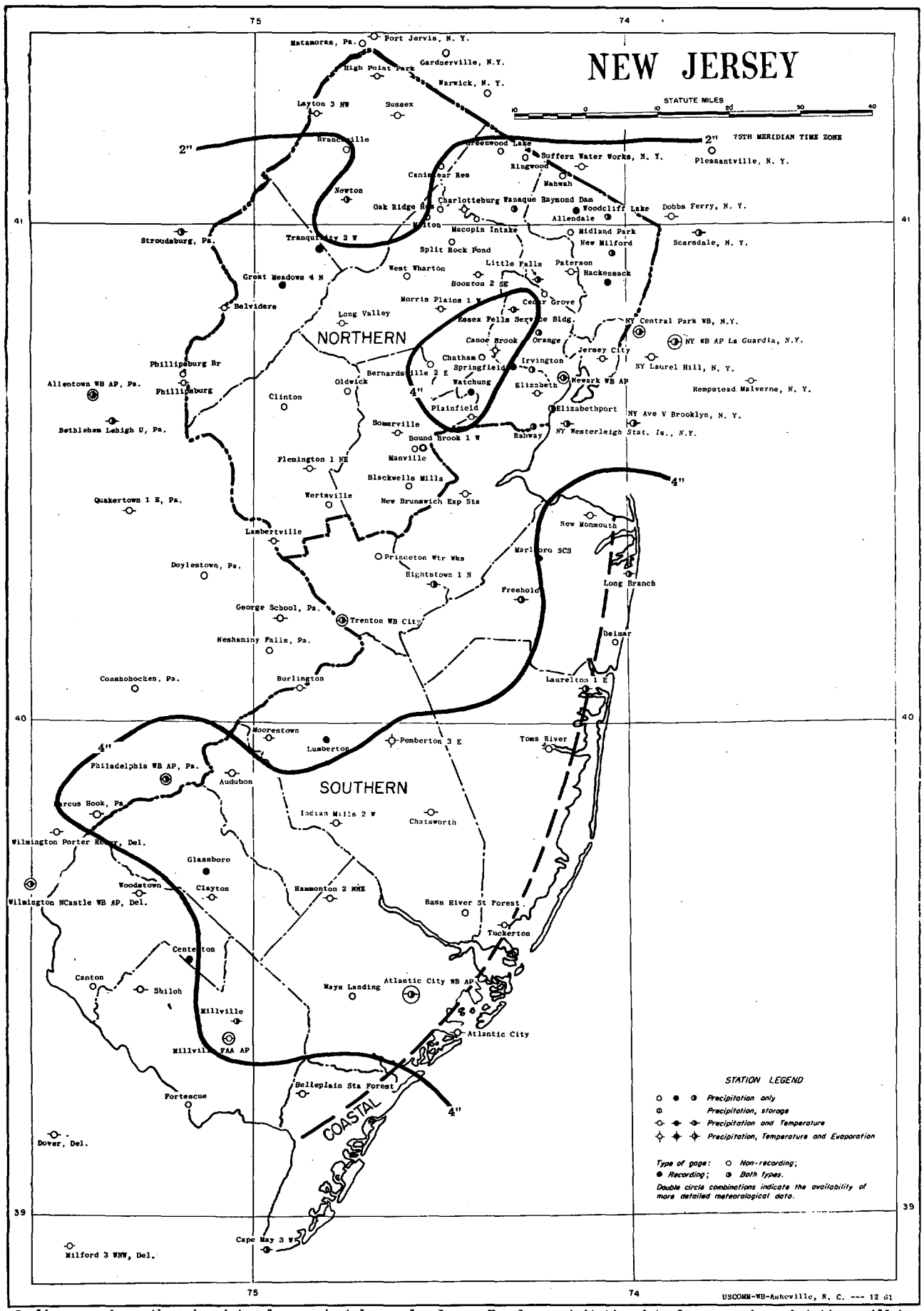
NEW JERSEY
MARCH 1962

Station		Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	SNOWFALL					T	3.6			.3	T																					
	SN ON GND							2	T	T																						
	WTR EQUIV							.2																								
BELVIDERE	SNOWFALL					T	2.0				.5		T																			
	SN ON GND	T	T	T		T	2	T	T																						
CHARLOTTEBURG	SNOWFALL						1.0	1.0			.3		.5		T			T					T									
	SN ON GND	4	4	4	4	4	5	6	5	5	4	3	2	1	1			T					T									
CLAYTON	SNOWFALL						4.5			T	T																					
	SN ON GND						5	5	3	T	T																					
FLEMINGTON 1 NE	SNOWFALL	T				T	8.0	.5			1.5						T															
	SN ON GND	T	T	T	T	T	7	4	2	1	T	T	T																			
FREEHOLD	SNOWFALL						5.0	.5			1.3																					
	SN ON GND						5	6	5	4	5	3																				
HIGHTSTOWN 1 N	SNOWFALL						6.5	T			1.0																					
	SN ON GND						6	4	2		T	T																				
INDIAN MILLS 2 W	SNOWFALL						3.9	.2		.2	1.0																					
	SN ON GND						4	3	2	2	1																					
LAMBERTVILLE	SNOWFALL						4.0			T	1.5																					
	SN ON GND						4	2	T	T	T																					
LITTLE FALLS	SNOWFALL						.3	.1			.1																					
	SN ON GND	1	T				T	T																								
LONG BRANCH	SNOWFALL						4.5			1.0	T												T									
	SN ON GND						5	4	3	2	T	T																				
LONG VALLEY	SNOWFALL						4.0			T	.1							.1														
	SN ON GND	2	2	1	1	1	4	2	1	T	T	T																				
MAYS LANDING	SNOWFALL							3.0																								
	SN ON GND							3	2	1	T																					
MILLVILLE	SNOWFALL						-			-	-																					
	SN ON GND						-			-	-																					
MILLVILLE FAA AIRPORT	SNOWFALL					T	4.0	T		T	T																					
	SN ON GND							4	2																							
MOORESTOWN	SNOWFALL						1.0	5.0			2.0																					
	SN ON GND						1	4	2	T	1																					
MORRIS PLAINS	SNOWFALL						1.5	1.0			.5							T					.2									
	SN ON GND						-	-	-	-	-																					
NEWARK WB AIRPORT	SNOWFALL					T	1.1			.3	.1											T	T									
	SN ON GND						T	T			T																					
	WTR EQUIV																															
NEW BRUNSWICK EXP STA	SNOWFALL						4.0				1.0																					
	SN ON GND						4	2	T																							
NEWTON	SNOWFALL						1.2	T			.3		T																			
	SN ON GND	1	1	1	T	T	1	1	1	1	1	T	T	T																		
PATERSON	SNOWFALL						T	T			T												T									
	SN ON GND																															
PEMBERTON 3 E	SNOWFALL						6.0				1.0																					
	SN ON GND						6	5	4	2	1																					
PLAINFIELD	SNOWFALL						3.5				1.0																					
	SN ON GND						-																									
RAHWAY	SNOWFALL						2.5			T																					
	SN ON GND						2	T		T	T																					
SOMERVILLE	SNOWFALL						2.5																									
	SN ON GND						3																									
TRENTON WB CITY	SNOWFALL						3.7			1.0	.2																					
	SN ON GND						1	4	1	1	1	T	T																			
WANAQUE RAYMOND DAM	SNOWFALL						.5				T																					
	SN ON GND	3	2	T	T	T	1	T	T	T	T	T																				

See reference notes following Station Index.

TOTAL PRECIPITATION

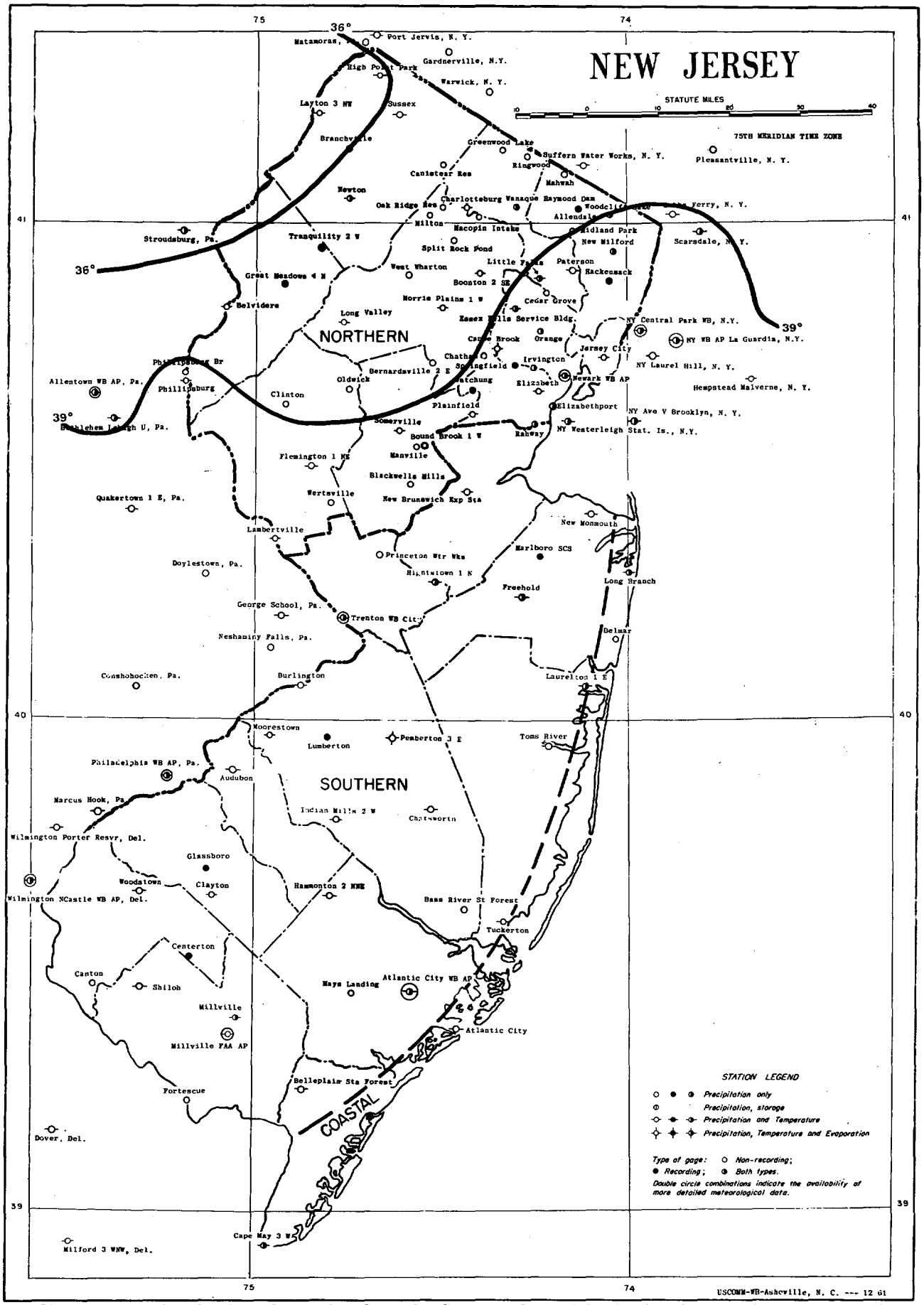
NEW JERSEY
MARCH 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

AVERAGE TEMPERATURE

NEW JERSEY
MARCH 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE #	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES: TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)	OBSERVER
ALLENDALE	0100	BERGEN	8	41 02	74 08	270				C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MID	MID		C HJ	U.S. WEATHER BUREAU
# ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID		J	STATE MARINA
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11P	11P			IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20		9A		H	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P			BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1	40 10	74 02	19		8A			BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2	40 50	75 05	275	5P	5P		H	CLEMENT HAUPT
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240		7A			BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27		7A			HENRY M. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A	8A			JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20		8A			AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580		7A			ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P			PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040		8A			NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A	9A		COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20		9A			GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P		C	N.WEST MAGNESITE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	400		8A			J. A. PLUNKETT
CENTERTON	1512	SALEM	6	39 31	75 10	80				C	JOHN HOPKINS UNI.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A	7A		H	NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185		8A			EDWARD P. MOLITOR
CHATSWORTH	1598	BURLINGTON	1	39 49	74 32	100	5P	5P			EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P		H	HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300		6P			L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	5P	5P			UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10		MID		C	SEWAGE TREATMENT PLANT
ESSEX FELLS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A	8A		C	BOROUGH ESSEX FELLS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	5P	5P		H	DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5		7A			JOHN LOPER
FREEHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	6P		C H	FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135				C	GLASSBORO STATE COLLEGE
GREAT MEADOWS 4 N	3416	WARREN	2	40 56	74 55	540				C	GAMMA CHEMICAL CORP.
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660		7A			GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10				C	BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A	8A			W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A			N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P		C H	JAMES R. PICKERING
INDIAN MILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P		H	EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120		MID		C	JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 04	135	MID	MID			JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P		H	E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MID	MID		C H	GEORGE G. WADDILL
LAYTON 3 NW	4735	SUSSEX	2	41 15	74 51	480	6P	6P		H	A. M. DEPUE
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A		C H	PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID	MID		C HJ	WILLIAM D. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 48	74 46	660	6P	6P		H	ARTHUR BARKMAN
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25				C	JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584					INACTIVE 1/61
MAHWAH	5104	BERGEN	8	41 06	74 10	253		7A			ROBERT G. GLASGOW
MANVILLE	5197	SOMERSET	10	40 33	74 34	50		8A			JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120				C	GERON BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10		9A		H	COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210		MID			RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MID		C H	L. J. GALLAHER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID	MID		H	FED. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 01	74 32	950		7A			JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A		H	M. J. WILLARD
MORRIS PLAINS	5769	MORRIS	8	40 50	74 30	500	8A	8A		H	JAMES C. LONG
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	MID		C HJ	U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P		GH	ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12		MID		C	HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P			ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	965	8A	8A		C H	NEWTON WTR. + SWR.COMM.
OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870		8A			NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		8A			DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140		MID		C	COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A		H	P. J. DEL VECCHIO
PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P	5P	H	PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P	3P		H	SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196		9A			JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P		H	MRS VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60		MID			PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20		MID		C H	RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305		10A			NO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P			EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P		H	W. E. HAVER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800		10A			JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1	40 43	74 18	-				C	N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A			BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P			TOMS RIVER WATER CO.
# TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	MID		C HJ	U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P	6P			REV. WALTER T. GANDEK
WANAQUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320		8A		C H	WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8	40 40	74 25	-				C	BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160		7A			ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8	40 54	74 36	680		7A			N.J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103		MID		C	HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P	5P			CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

\- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

\+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

\# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; $2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 5/3/62 --- 900