

Climatological Data



MARYLAND AND DELAWARE

TEMPERATURE AND PRECIPITATION EXTREMES

| | | | |
|-------------------------------|--------------|-----|--------------|
| HIGHEST TEMPERATURE: | 2 STATIONS | 100 | DATE 03+ |
| LOWEST TEMPERATURE: | 2 STATIONS | 46 | DATE 17 |
| GREATEST TOTAL PRECIPITATION: | OAKLAND 1 SE | MD. | 7.39 |
| LEAST TOTAL PRECIPITATION: | TOWSON | MD. | .78 |
| GREATEST 1 DAY PRECIPITATION: | OAKLAND 1 SE | MD. | 2.08 DATE 18 |

SUPPLEMENTAL DATA

| | WIND (SPEED - M.P.H.) | | | | | | RELATIVE HUMIDITY AVERAGES - PERCENT | | | | NUMBER OF DAYS WITH PRECIPITATION | | | | | | | PERCENT OF POSSIBLE SUNSHINE AVERAGE (TENTHS) | SKY COVER SUNRISE TO SUNSET |
|-----------------------|--------------------------|--------------------|---------|-----------------|------------------------------|-------------------------|--|----|----|----|--------------------------------------|---------|---------|---------|-----------|------------------|-------|---|--------------------------------|
| | RESULTANT DIRECTION | RESULTANT SPEED | AVERAGE | FASTEST MILE | DIRECTION OF FASTEST MILE | DATE OF FASTEST MILE | STANDARD OF TIME EASTERN | | | | TRACE | .01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00 AND OVER | TOTAL | | |
| | | | | | | | 01 | 07 | 13 | 19 | | | | | | | | | |
| BALTIMORE WSO AP MD | 25 | 2.7 | 6.5 | 39 | NW | 03 | 79 | 79 | 48 | 65 | 2 | 4 | 2 | 1 | 2 | 0 | 11 | 67 | 5.2 |
| WILMINGTON WSO AP DEL | 26 | 2.5 | 8.3 | 23++ | 33 | 16 | 80 | 79 | 52 | 65 | 5 | 3 | 4 | 0 | 0 | 0 | 12 | - | 5.7 |

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

Daniel B. Mitchell

DIRECTOR
NATIONAL CLIMATIC CENTER



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
AUGUST 1960

| STATION | TEMPERATURE | | | | | | | | | | | | | | PRECIPITATION | | | | | | | | |
|-------------------------------|--------------------|--------------------|---------|--------------------------|-----------------|----------------|------------------------|------------------------|-----------------|-----------------|-----------------|------|-------|--------------------------|----------------------|-------------|--------------------|------|-------------|-------------|--------------|------|------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | HIGHEST DATE | LOWEST DATE | HEATING DEGREE DAYS | COOLING DEGREE DAYS | NO. OF DAYS | | | | TOTAL | DEPARTURE FROM NORMAL | GREATEST DAY DATE | SNOW, SLEET | | | NO. OF DAYS | | | | |
| | | | | | | | | | 90° OR ABOVE | 80° OR ABOVE | 50° OR ABOVE | MIN. | | | | TOTAL | DEPTH ON GROUND | DATE | .10 OR MORE | .50 OR MORE | 1.00 OR MORE | | |
| | | | | | | | | | | | | | | | | | | | | | | MAX. | MIN. |
| HANCOCK FRUIT LAB DIVISION | 84.6 | 61.0 | 72.8 | | 93 | 9 | 48 | 17 | 4 | 251 | 5 | 0 | 0 | 0 | 1.17 | - 1.98 | .34 | 18 | .0 | 0 | 4 | 0 | 0 |
| | | | 73.7 | 1.5 | | | | | | | | | | 2.58 | .91 | | | .0 | | | | | |
| * * * ALLEGHENY PLATEAU 08 | | | | | | | | | | | | | | | | | | | | | | | |
| MC HENRY 2 NW | 77.6 | 59.9 | 68.8 | | 85 | 9+ | 51 | 17+ | 20 | 146 | 0 | 0 | 0 | 0 | 7.04 | | 1.70 | 18 | .0 | 0 | 7 | 6 | 4 |
| OAKLAND 1 SE | 80.5 | 59.3 | 69.9 | 3.4 | 86 | 11+ | 51 | 17 | 12 | 172 | 0 | 0 | 0 | 0 | 7.39 | 3.03 | 2.08 | 18 | .0 | 0 | 11 | 4 | 2 |
| SAVAGE RIVER DAM DIVISION | | | 69.4 | 3.0 | | | | | | | | | | 7.22 | 3.23 | | | .0 | | | | | |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
AUGUST 1980

| STATION | TEMPERATURE | | | | | | | | | | | | | PRECIPITATION | | | | | | | | | | | | |
|------------------------|--------------------|--------------------|---------|--------------------------|-----------------|----------------|------------------------|------------------------|-----------------|------|-----------------|-----------------|-------|--------------------------|----------------------|-------------|--------------------------|----------------------|-------------|-------------------------|------|-------------|-------------|--------------|--|--|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | HIGHEST DATE | LOWEST DATE | HEATING DEGREE DAYS | COOLING DEGREE DAYS | NO. OF DAYS | | | | TOTAL | DEPARTURE FROM NORMAL | GREATEST DAY DATE | SNOW, SLEET | | | NO. OF DAYS | | | | | | | |
| | | | | | | | | | 30° OR BELOW | | 32° 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 | | |
| | | | | | | | | | MAX. | MIN. | 30° OR BELOW | 32° OR BELOW | | | | | | | | | | | | | | |
| DELAWARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * * * NORTHERN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIDDLETOWN 1 HSW | 89.1 | 66.4 | 77.8 | | 96 | 6+ | 52 | 17 | 0 | 405 | 20 | 0 | 0 | 0 | 2.93 | | 1.00 | 11 | .0 | 0 | 6 | 2 | 1 | | | |
| NEWARK UNIVERSITY FARM | 90.1 | 67.2 | 78.7 | 5.2 | 96 | 9+ | 55 | 17 | 0 | 427 | 21 | 0 | 0 | 0 | 2.02 | -2.11 | .63 | 4 | .0 | 0 | 5 | 3 | 0 | | | |
| WILMINGTON WSO AP | 87.9 | 68.5 | 78.2 | 4.1 | 95 | 8+ | 57 | 17 | 0 | 417 | 18 | 0 | 0 | 0 | 1.09 | -2.89 | .47 | 3 | .0 | 0 | 4 | 0 | 0 | | | |
| WILMGTN PORTER RESVR | 86.8 | 68.4 | 77.6 | 4.2 | 93 | 8+ | 54 | 15 | 0 | 398 | 15 | 0 | 0 | 0 | 2.25 | -2.26 | .97 | 1 | .0 | 0 | 6 | 1 | 0 | | | |
| DIVISION | | | 78.1 | 4.2 | | | | | | | | | | | | | | 2.07 | -2.09 | .0 | | | | | | |
| * * * SOUTHERN 02 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRIDGEVILLE 1 NH | 88.6 | 64.7 | 76.7 | 2.5 | 95 | 28+ | 51 | 17 | 0 | 370 | 18 | 0 | 0 | 0 | 3.02 | -1.84 | .99 | 4 | .0 | 0 | 6 | 2 | 0 | | | |
| DOVER | 89.0 | 68.4 | 78.7 | 3.5 | 95 | 1 | 58 | 17 | 0 | 429 | 19 | 0 | 0 | 0 | 3.95 | -.84 | 1.80 | 19 | .0 | 0 | 4 | 3 | 1 | | | |
| GEORGETOWN 5 SW | 88.5 | 66.3 | 77.4 | | 97 | 4+ | 55 | 17 | 0 | 393 | 18 | 0 | 0 | 0 | 2.94 | | .75 | 20 | .0 | 0 | 7 | 2 | 0 | | | |
| MILFORD 2 HSW | 90.0 | 67.5 | 78.8 | | 98 | 1 | 56 | 17 | 0 | 436 | 21 | 0 | 0 | 0 | 2.22 | | .82 | 4 | .0 | 0 | 5 | 2 | 0 | | | |
| DIVISION | | | 77.9 | 3.3 | | | | | | | | | | | | | | 3.03 | -1.79 | .0 | | | | | | |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION

MARYLAND AND DELAWARE
AUGUST 1960

| 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 | | | |
| DELAWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * * * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NORTHERN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIDDLETOWN 1 NSM | 2.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NEWARK UNIVERSITY FARM | 2.02 | .07 | | .35 | .15 | .05 | | | | | | .27 | 1.00 | | | | | | T | .04 | | .02 | | .50 | | | | | | | | | | | |
| WILMINGTON WSD AP | 1.09 | T | | .63 | T | | | | | | | .10 | .51 | | | | | T | .01 | .06 | | T | | .53 | T | | | | | | | | | | |
| WILMINGTON PORTER RESVR | 2.25 | .97 | | .47 | | | | | | | T | .06 | .20 | .11 | | | | | T | .07 | | T | | .08 | | | | | | | | | | .06 | |
| | | | | .16 | | | | | | | | T | .37 | .30 | | | | | | T | .30 | | T | | .13 | | | | | | | | | T | .10 |
| * * * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTHERN 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRIDGEVILLE 1 NSM | 3.02 | | | | .99 | .42 | | | | | | .21 | | | | | | | T | .18 | | T | | .93 | | | | | | | | | | | |
| DOVER | 3.95 | .28 | | | .94 | | | | | | | .02 | .86 | | | | | | T | .06 | .22 | | 1.80 | | .01 | | | | | | | | | | |
| GEORGETOWN 5 SW | 2.94 | | | .32 | .24 | .07 | | | | | | .28 | T | .29 | | | | | | .56 | | T | | .75 | | | | | | | | | | | |
| MILFORD 2 NSM | 2.22 | | .02 | | .82 | .11 | | | | | .02 | .22 | .01 | | | .06 | | | | .17 | | .01 | | .78 | | | | | | | | | | | .43 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES

MARYLAND AND DELAWARE
AUGUST 1980

| 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 | | |
| DELAWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * * * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NORTHERN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIDDLETOWN 1 HSW | MAX | 95 | 93 | 95 | 92 | 96 | 96 | 94 | 95 | 95 | 92 | 92 | 92 | 85 | 90 | 89 | 81 | 83 | 75 | 75 | 85 | 83 | 77 | 83 | 88 | 90 | 92 | 91 | 93 | 91 | 92 | 92 | 89.1 |
| | MIN | 72 | 68 | 78 | 69 | 70 | 70 | 67 | 67 | 76 | 71 | 69 | 69 | 65 | 63 | 72 | 63 | 52 | 63 | 68 | 64 | 62 | 64 | 59 | 60 | 59 | 65 | 64 | 65 | 69 | 65 | 70 | 66.4 |
| NEWARK UNIVERSITY FARM | MAX | 95 | 94 | 96 | 95 | 96 | 96 | 94 | 95 | 96 | 92 | 93 | 94 | 85 | 90 | 88 | 80 | 83 | 79 | 75 | 86 | 86 | 79 | 85 | 90 | 91 | 93 | 94 | 93 | 92 | 94 | 93 | 90.1 |
| | MIN | 69 | 69 | 73 | 69 | 72 | 71 | 69 | 70 | 76 | 72 | 71 | 70 | 65 | 62 | 74 | 63 | 55 | 63 | 67 | 64 | 62 | 65 | 63 | 61 | 60 | 65 | 65 | 68 | 70 | 70 | 69 | 67.2 |
| WILMINGTON WSO AP | MAX | 93 | 92 | 94 | 90 | 91 | 91 | 90 | 95 | 92 | 86 | 93 | 86 | 86 | 90 | 83 | 79 | 82 | 75 | 78 | 86 | 77 | 79 | 86 | 91 | 91 | 93 | 93 | 94 | 88 | 90 | 92 | 87.9 |
| | MIN | 72 | 70 | 71 | 70 | 75 | 72 | 69 | 71 | 76 | 73 | 72 | 72 | 65 | 66 | 70 | 61 | 57 | 66 | 69 | 66 | 65 | 65 | 65 | 63 | 64 | 67 | 69 | 70 | 72 | 70 | 72 | 68.5 |
| WILMINGTON PORTER RESVR | MAX | 90 | 90 | 93 | 90 | 93 | 89 | 91 | 93 | 91 | 86 | 92 | 84 | 88 | 88 | 82 | 75 | 81 | 73 | 78 | 84 | 78 | 76 | 86 | 89 | 90 | 92 | 91 | 92 | 87 | 90 | 90 | 86.8 |
| | MIN | 71 | 72 | 72 | 72 | 71 | 73 | 72 | 75 | 75 | 73 | 71 | 72 | 67 | 65 | 54 | 61 | 58 | 65 | 67 | 67 | 67 | 65 | 64 | 63 | 63 | 67 | 71 | 72 | 72 | 70 | 72 | 68.4 |
| * * * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTHERN 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRIDGEVILLE 1 NW | MAX | 94 | 93 | 95 | 93 | 93 | 92 | 93 | 94 | 93 | 90 | 91 | 89 | 87 | 91 | 87 | 79 | 83 | 77 | 79 | 85 | 79 | 77 | 84 | 88 | 89 | 92 | 93 | 95 | 91 | 90 | 90 | 88.6 |
| | MIN | 70 | 66 | 74 | 67 | 71 | 69 | 68 | 67 | 73 | 70 | 69 | 72 | 62 | 60 | 72 | 64 | 51 | 61 | 66 | 64 | 59 | 63 | 55 | 57 | 56 | 61 | 60 | 65 | 63 | 63 | 67 | 64.7 |
| DOVER | MAX | 95 | 92 | 94 | 94 | 93 | 93 | 92 | 94 | 94 | 90 | 91 | 91 | 86 | 90 | 89 | 82 | 80 | 81 | 82 | 85 | 85 | 78 | 84 | 86 | 88 | 91 | 92 | 92 | 92 | 91 | 91 | 89.0 |
| | MIN | 74 | 72 | 76 | 66 | 73 | 72 | 72 | 70 | 76 | 72 | 69 | 70 | 68 | 66 | 74 | 66 | 58 | 64 | 67 | 67 | 63 | 66 | 60 | 62 | 62 | 67 | 68 | 70 | 73 | 66 | 72 | 68.4 |
| GEORGETOWN 5 SW | MAX | 93 | 93 | 97 | 97 | 93 | 95 | 92 | 95 | 96 | 94 | 95 | 93 | 89 | 85 | 91 | 86 | 78 | 80 | 75 | 78 | 84 | 73 | 76 | 82 | 86 | 88 | 90 | 93 | 96 | 92 | 90 | 88.5 |
| | MIN | 72 | 77 | 67 | 69 | 72 | 71 | 67 | 67 | 73 | 71 | 70 | 74 | 65 | 62 | 71 | 68 | 55 | 63 | 65 | 66 | 60 | 65 | 57 | 57 | 58 | 61 | 63 | 67 | 64 | 67 | 71 | 66.3 |
| MILFORD 2 HSW | MAX | 98 | 95 | 97 | 92 | 94 | 94 | 92 | 95 | 96 | 91 | 93 | 92 | 88 | 93 | 90 | 82 | 83 | 80 | 80 | 85 | 80 | 76 | 83 | 89 | 91 | 92 | 95 | 96 | 93 | 93 | 93 | 90.0 |
| | MIN | 73 | 70 | 74 | 70 | 73 | 70 | 69 | 70 | 76 | 73 | 72 | 73 | 64 | 63 | 75 | 65 | 56 | 63 | 68 | 68 | 63 | 67 | 58 | 60 | 59 | 62 | 65 | 69 | 66 | 67 | 71 | 67.5 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND DELAWARE
AUGUST 1980

| STATION | DAY OF MONTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OR AVG. | |
|----------------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|---------------------|------|
| | 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 | | |
| MARYLAND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UPPER SOUTHERN 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BELTSVILLE | EVAP | .22 | .52 | .25 | .20 | .20 | .22 | .25 | .26 | .25 | .23 | .24 | .18 | .22 | .23 | .15 | .32 | .17 | .04 | .06 | .12 | .11 | .07 | .24 | .10 | .21 | .20 | .19 | .19 | .50 | 6.14 | | |
| | WIND | 10 | 56 | 26 | 15 | 11 | 35 | 11 | 18 | 32 | 19 | 13 | 27 | 28 | 6 | 22 | 70 | 13 | 10 | 6 | 19 | 9 | 9 | 15 | 8 | 11 | 7 | 9 | 8 | 22 | 14 | | |
| | MAX | 97 | 92 | 98 | 96 | 98 | 94 | 99 | 98 | 95 | 93 | 97 | 88 | 89 | 94 | 82 | 84 | 82 | 72 | 80 | 81 | 79 | 77 | 84 | 90 | 92 | 93 | 93 | 94 | 93 | 95 | 90.0 | |
| | MIN | 73 | 71 | 73 | 73 | 73 | 70 | 72 | 73 | 74 | 73 | 74 | 67 | 67 | 69 | 67 | 61 | 62 | 65 | 69 | 68 | 64 | 64 | 67 | 68 | 69 | 60 | 70 | 71 | 82 | 71 | 69.3 | |
| UPPER MARLBORO 3 NNH | EVAP | .24 | .21 | .23 | .28 | .22 | .21 | .24 | .14 | .28 | .33 | .26 | .19 | .18 | .10 | .35 | .08 | .31 | .13 | .04 | .01 | .15 | .20 | .08 | .14 | .19 | .19 | .25 | .12 | .16 | .18 | .21 | |
| | WIND | 10 | 21 | 20 | 23 | 9 | 12 | 14 | 9 | 12 | 14 | 14 | 18 | 10 | 17 | 18 | 11 | 35 | 8 | 9 | 2 | 16 | 13 | 14 | 5 | 3 | 3 | 4 | 4 | 2 | 7 | 7 | |
| | MAX | 93 | 94 | 95 | 98 | 99 | 99 | 96 | 94 | 98 | 96 | 94 | 98 | 89 | 92 | 93 | 81 | 86 | 87 | 74 | 83 | 87 | 78 | 77 | 84 | 95 | 95 | 94 | 95 | 94 | 95 | 92 | 91.1 |
| | MIN | 64 | 69 | 69 | 72 | 71 | 71 | 71 | 72 | 73 | 73 | 73 | 73 | 67 | 67 | 67 | 68 | 59 | 56 | 64 | 67 | 67 | 59 | 60 | 63 | 65 | 67 | 67 | 69 | 70 | 70 | 70 | 67.5 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND DELAWARE
AUGUST 1980

| STATION | DAY OF MONTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OR AVG. | | |
|------------------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-------|------|
| | 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 | | | |
| DELAWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * * * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NORTHERN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NEWARK UNIVERSITY FARM | EVAP | .22 | .26 | .26 | .23 | .13 | .38 | .26 | .15 | .44 | .25 | .17 | .31 | .16 | .31 | .12 | .27 | .23 | .11 | .08 | .11 | .21 | .05 | .22 | .21 | .18 | .23 | .08 | .36 | .20 | .21 | .19 | 6.59 | |
| | WIND | 27 | 41 | 24 | 21 | 14 | 29 | 26 | 24 | 39 | 24 | 19 | 33 | 41 | 19 | 23 | 60 | 34 | 14 | 7 | 22 | 34 | 33 | 20 | 21 | 12 | 21 | 25 | 24 | 29 | 23 | 804 | | |
| | MAX | 93 | 93 | 96 | 95 | 99 | 95 | 95 | 96 | 96 | 92 | 95 | 96 | 88 | 89 | 89 | 83 | 86 | 85 | 82 | 89 | 90 | 78 | 86 | 91 | 92 | 92 | 91 | 90 | 93 | 93 | 91.1 | | |
| | MIN | 81 | 83 | 88 | 80 | 85 | 83 | 79 | 81 | 86 | 82 | 81 | 81 | 75 | 76 | 83 | 78 | 68 | 72 | 74 | 75 | 73 | 73 | 78 | 76 | 75 | 75 | 78 | 79 | 79 | 84 | 85 | 78.9 | |
| * * * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTHERN 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEORGETOWN S SW | EVAP | .32 | .37 | .02 | - | .23 | .35 | .31 | .35 | - | .30 | .21 | .29 | .27 | .30 | .30 | .08 | .37 | .27 | .07 | .102 | .38 | .16 | .12 | .16 | .27 | .26 | .23 | .29 | .27 | .17 | .38 | 9.838 | |
| | WIND | 46 | 80 | 86 | 83 | 95 | 62 | 47 | 39 | 54 | 77 | 64 | 101 | 55 | 48 | 85 | 65 | 83 | 59 | 48 | 26 | 77 | 97 | 84 | 43 | 28 | 30 | 32 | 46 | 32 | 42 | 93 | 1847 | |
| | MAX | 96 | 96 | 96 | 96 | 98 | 96 | 96 | 96 | 99 | 101 | 96 | 91 | 96 | 87 | 92 | 87 | 82 | 83 | 85 | 75 | 80 | 86 | 75 | 78 | 87 | 90 | 86 | 92 | 80 | 95 | 85 | 92 | 89.5 |
| | MIN | 66 | 74 | 78 | 74 | 72 | 76 | 72 | 73 | 73 | 72 | 73 | 74 | 69 | 71 | 71 | 70 | 59 | 60 | 65 | 70 | 52 | 65 | 62 | 67 | 67 | 68 | 68 | 70 | 70 | 68 | 72 | 69.1 | |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND DELAWARE
AUGUST 1980

| STATION | INDEX NO. | DIVISION | COUNTY | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES | | | | OBSERVER | |
|------------------------|-----------|----------|--------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|---------------------|----------|-------------------------|
| | | | | | | | | TEMP. | PRECIP. | EVAP. | SPECIAL (SEE NOTES) | | |
| MARYLAND | | | | | | | | | | | | | |
| ABERDEEN PHILLIPS FLD | 0015 | 06 | HARFORD | | 39 28 | 76 10 | 57 | 4P | 4P | | | C H | ROSS AVIATION INC |
| ANNAPOLIS POLICE BRKS | 0193 | 04 | ANNE ARUNDEL | | 38 59 | 76 30 | 25 | 5P | 5P | | | H | ANNAPOLIS POLICE BRKS |
| ASSATEAGUE STATE PARK | 0335 | 01 | WORCESTER | | 38 14 | 75 08 | 7 | 5P | 5P | | | H | ASSATEAGUE STATE PARK |
| BALTIMORE WSO AP | 0465 | 04 | ANNE ARUNDEL | | 39 11 | 76 40 | 196 | MID | MID | | | C HJ | NATL WEATHER SERVICE |
| BALTIMORE WSO CI | 0470 | 06 | BALTO CITY | | 39 17 | 76 37 | 91 | MID | MID | | | C H | OCMI COMMANDING OFFICER |
| BELTSVILLE | 0700 | 04 | PRN GEORGES | | 39 02 | 76 53 | 120 | 8A | 8A | | 8A | BAC H | U S DEPT OF AGRICULTURE |
| BENSON POLICE BARRACKS | 0732 | 06 | HARFORD | | 39 30 | 76 23 | 365 | 5P | 5P | | | | MARYLAND STATE POLICE |
| BOYDS 2 NW | 1032 | 06 | MONTGOMERY | | 39 13 | 77 20 | 580 | 6P | 6P | | | | HUNTER F STALEY |
| BRIGHTON DAM | 1125 | 06 | MONTGOMERY | | 39 12 | 77 01 | 330 | | MID | | | | WASH SUB SANY COMM |
| CAMBRIDGE WTR TRMT PL | 1385 | 02 | DORCHESTER | | 38 34 | 76 04 | 5 | 4P | 4P | | | H | WASTEWATER TRMT PLANT |
| CATOCTIN MOUNTAIN PARK | 1530 | 06 | FREDERICK | | 39 39 | 77 29 | 1610 | 5P | 5P | | | C H | CATOCTIN MOUNTAIN PARK |
| CENTREVILLE | 1627 | 05 | QUEEN ANNES | | 39 03 | 76 04 | 20 | 5P | 5P | | | H | VICTOR F KENNEDY |
| CHESTERTOWN | 1750 | 05 | KENT | | 39 13 | 76 04 | 40 | 11P | 11P | | | H | THOMAS W ELIASON JR |
| CLARKSVILLE 3 NNE | 1862 | 06 | HOWARD | | 39 15 | 76 56 | 365 | 5P | 5P | | | | UNIVERSITY OF MARYLAND |
| COLLEGE PARK | 1995 | 04 | PRN GEORGES | | 38 59 | 76 57 | 90 | 9A | 9A | | | C H | UNIVERSITY OF MARYLAND |
| CONOWINGO DAM | 2060 | 06 | HARFORD | | 39 39 | 76 10 | 40 | MID | MID | | | H | SUSQUEHANNA ELECTRIC CO |
| CRISFIELD SOMERS COVE | 2215 | 01 | SOMERSET | | 37 59 | 75 52 | 8 | 5P | 5P | | | | SOMERS COVE MARINA |
| CUMBERLAND 2 | 2282 | 07 | ALLEGANY | | 39 38 | 78 45 | 700 | 6P | 7A | | | H | TIMOTHY B THOMAS |
| DAMASCUS 2 SW | 2335 | 06 | MONTGOMERY | | 39 16 | 77 14 | 720 | 7P | 7P | | | H | RICHARD W SCHWERDT |
| DENTON 1 S | 2523 | 02 | CAROLINE | | 38 53 | 75 50 | 20 | 6P | 6P | | | H | EMORY DOBSON |
| EDGEMONT | 2770 | 07 | WASHINGTON | | 39 40 | 77 33 | 905 | | 7A | | | | JOHN W HARNE |
| EMMITSBURG 2 SE | 2906 | 06 | FREDERICK | | 39 41 | 77 18 | 416 | 5P | 5P | | | H | MRS LUCILLE K BEALE |
| FEDERALSBURG | 3090 | 02 | CAROLINE | | 38 41 | 75 46 | 20 | | | | | C | SEWAGE TREATMENT PLANT |
| FREDRICK POLICE BRKS | 3348 | 06 | FREDERICK | | 39 25 | 77 26 | 380 | 5P | 5P | | | H | MARYLAND STATE POLICE |
| FREDERICK 3 E | 3355 | 06 | FREDERICK | | 39 24 | 77 22 | 385 | | 7A | | | | MISS J MARY STALEY |
| FROSTBURG 2 | 3415 | 07 | ALLEGANY | | 39 40 | 78 56 | 2170 | 7A | 7A | | | H | LEE K CLOSE |
| GLENN DALE BELL STA | 3675 | 04 | PRN GEORGES | | 38 58 | 76 48 | 150 | 4P | 4P | | | H | USDA PLT INTRODUCT STA |
| HAGERSTOWN | 3975 | 07 | WASHINGTON | | 39 39 | 77 44 | 660 | 6P | 6P | | | | HAGERSTOWN RESERVOIR |
| HANCOCK FRUIT LAB | 4030 | 07 | WASHINGTON | | 39 42 | 78 11 | 428 | 8A | 8A | | | C H | U OF MD FRUIT LAB |
| LA PLATA 1 W | 5080 | 03 | CHARLES | | 38 32 | 77 00 | 140 | 6P | 6P | | | H | C RUSSELL LEVERING |
| LAUREL 3 W | 5111 | 04 | PRN GEORGES | | 39 06 | 76 54 | 400 | MID | MID | | | | WASH SUB SANY COMM |
| MC HENRY 2 NW | 5832 | 08 | GARRETT | | 39 35 | 79 22 | 2680 | 8A | 8A | | | C H | JOSEPH F JOHENNING |
| MECHANICSVILLE 1 SE | 5865 | 03 | ST MARYS | | 38 26 | 76 43 | 160 | 5P | 5P | | | | MRS EDITH R BENNETT |
| MERRILL | 5894 | 08 | GARRETT | | 39 36 | 79 05 | 1790 | | 9A | | | | DELWOOD E MERRILL |
| MILLINGTON | 5985 | 05 | KENT | | 39 16 | 75 51 | 30 | 6P | 6P | | | H | INACTIVE 02/29/80 |
| NEW GERMANY 2 | 6410 | 08 | GARRETT | | 39 37 | 79 08 | 2480 | | | | | C | LESTER BITTINGER |
| OAKLAND 1 SE | 6620 | 08 | GARRETT | | 39 24 | 79 24 | 2420 | 5P | 5P | | | H | MS CARA M WEBER |
| OWINGS FERRY LANDING | 6770 | 03 | CALVERT | | 38 41 | 76 40 | 160 | 5P | 5P | | | H | JAMES E BOURNE JR |
| PARKTON 2 SW | 6844 | 06 | BALTIMORE | | 39 38 | 76 42 | 600 | 11P | 11P | | | C H | JOHN R FOX |
| PATUXENT RIVER | 6915 | 03 | ST MARY'S | | 38 20 | 76 25 | 38 | MID | MID | | | C | NAVAL WEATHER SERVICE |
| POTOMAC FILTER PLANT | 7272 | 06 | MONTGOMERY | | 39 02 | 77 15 | 270 | | MID | | | | WASH SANITARY COMM |
| PRINCESS ANNE | 7330 | 01 | SOMERSET | | 38 13 | 75 41 | 20 | 5P | 5P | | | H | MARYLAND ST COLLEGE FRM |
| ROCKVILLE 3 NE | 7705 | 06 | MONTGOMERY | | 39 07 | 77 06 | 400 | 4P | 4P | | | H | MD NATL CAPITAL PARK |
| ROYAL OAK 2 SSW | 7806 | 02 | TALBOT | | 38 43 | 76 11 | 10 | 6P | 6P | | | H | JOHN L SHAIN JR |
| SALISBURY | 8000 | 01 | WICOMICO | | 38 22 | 75 35 | 10 | 5P | 5P | | | | CITY OF SALISBURY |
| SALISBURY FAA AP | 8005 | 01 | WICOMICO | | 38 20 | 75 31 | 48 | MID | MID | | | H | FAA |
| SAVAGE RIVER DAM | 8065 | 08 | GARRETT | | 39 31 | 79 08 | 1495 | 8A | 8A | | | BAC H | U S CORPS OF ENGINEERS |
| SINES DEEP CREEK | 8315 | 08 | GARRETT | | 39 32 | 79 25 | 2040 | | | | | C | PA ELECTRIC COMPANY |
| SNOW HILL 4 N | 8380 | 01 | WORCESTER | | 38 14 | 75 23 | 28 | 6P | 6P | | | H | CURTIS E SHOCKLEY |
| SOLOMONS | 8405 | 03 | CALVERT | | 38 19 | 76 27 | 12 | 8A | 8A | | | | CHESAPEAKE BIOL LAB |
| TOWSON | 8877 | 06 | BALTIMORE | | 39 23 | 76 34 | 390 | 6P | 6P | | | | BENDIX FRIEZ |
| UNIONVILLE | 9030 | 06 | FREDERICK | | 39 27 | 77 11 | 430 | 6P | 6P | | | C H | GEORGE P VON EIFF JR |
| UPPER MARLBORO 3 NNW | 9070 | 04 | PRN GEORGES | | 38 52 | 76 47 | 98 | 8A | 8A | | | BA H | TOBACCO EXP FARM |
| VIENNA | 9140 | 02 | DORCHESTER | | 38 29 | 75 50 | 12 | 6P | 6P | | | H | DELMARVA POWER & LIGHT |
| WESTMINSTER POLICE BRK | 9440 | 06 | CARROLL | | 39 33 | 76 58 | 765 | 5P | 5P | | | | MARYLAND STATE POLICE |
| WOODSTOCK | 9750 | 06 | BALTIMORE | | 39 20 | 76 52 | 460 | 6P | 6P | | | H | JOHN A HILTZ |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND DELAWARE
AUGUST 1980

| STATION | INDEX NO. | DIVISION | COUNTY | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES | | | | OBSERVER |
|------------------------|-----------|----------|------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|---------------------|--|
| | | | | | | | | TEMP. | PRECIP. | EVAP. | SPECIAL (SEE NOTES) | |
| DISTRICT OF COLUMBIA | | | | | | | | | | | | |
| DALECARLIA RESVR D C | 2325 | 04 | | | 38 56 | 77 07 | 146 | 5P | 5P | | | U S CORPS OF ENGINEERS U S NATL ARBORETUM |
| NATIONAL ARBORETUM D C | 6350 | 04 | | | 38 54 | 76 59 | 50 | 8A | 8A | | H | |
| DELAWARE | | | | | | | | | | | | |
| BRIDGEVILLE 1 NW | 1330 | 02 | SUSSEX | | 38 45 | 75 37 | 50 | 5P | 5P | | H | WILLIAM M RAY STATE DIV OF HIGHWAYS UNIV OF DEL SUBSTATION INACTIVE 05/31/80 PIONEER HIBRED CORN CO MRS BERNARD FRANKEL UNIV OF DELAWARE NATL WEATHER SERVICE WATER DEPARTMENT |
| DOVER | 2730 | 02 | KENT | | 39 09 | 75 31 | 30 | 5P | 5P | | H | |
| GEORGETOWN 5 SW | 3570 | 02 | SUSSEX | | 38 38 | 75 27 | 45 | 8A | 8A | 8AC | H | |
| LEWES 1 SW | 5320 | 02 | SUSSEX | | 38 46 | 75 09 | 20 | 6P | MID | | H | |
| MIDDLETOWN 1 WSW | 5852 | 01 | NEW CASTLE | | 39 26 | 75 45 | 60 | 4P | 4P | | H | |
| MILFORD 2 WSW | 5915 | 02 | SUSSEX | | 38 54 | 75 28 | 30 | 5P | 5P | | H | |
| NEWARK UNIVERSITY FARM | 6410 | 01 | NEW CASTLE | | 39 40 | 75 44 | 90 | 5P | 5P | 5PC | H | |
| WILMINGTON WSO AP | 9595 | 01 | NEW CASTLE | | 39 40 | 75 36 | 79 | MID | MID | C | HJ | |
| WILMGTN PORTER RESVR | 9605 | 01 | NEW CASTLE | | 39 46 | 75 32 | 274 | MID | MID | | H | |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MARYLAND AND DELAWARE - AUGUST 1980

SPECIAL WEATHER SUMMARY

August 1980 was a hot and dry month except in the Garrett County area where rainfall was much above normal and daily temperatures did not reach 90°.

Monthly temperatures averaged 3° to 6° above normal across the 2-state area. Highs reached into the upper 90s and low 100s on several days, except into the middle 80s in the Garrett County area. Highest temperature was 102° at Cylburn Park, Baltimore City on the 8th while the lowest was 46° at Rockville and Unionville on the 17th.

An unusual feature of the month was the large number of days with temperatures 90° and higher. The following, although incomplete, gives this information for selected stations across the 2-state area:

| <u>Station</u> | <u>Number of Days</u> | <u>Long-term August Average</u> |
|---------------------------|-----------------------|---------------------------------|
| Mechanicsville | 22 | 8 |
| Clarksville 3 NNE | 21 | 5 |
| Milford 2 WSW DE | 21 | 7 |
| Glenn Dale Bell Station | 21 | 10 |
| Cumberland | 20 | 6 |
| National Arboretum DC | 20 | 11 |
| Centreville | 20 | 6 |
| Annapolis | 19 | 6 |
| Dover DE | 19 | 8 |
| Baltimore WSO Airport | 18 | 8 |
| Wilmington WSO Airport DE | 18 | 5 |

Also, the consecutive number of days with temperatures 90° and higher was unusually large: 18 days at

Mechanicsville and Owings Ferry Landing in Southern Maryland, from July 29th through August 15th. In the eastern half of Maryland and in Delaware there was another period of as many as 11 consecutive days between August 25th and September 4th.

For selected stations, the following is the previous August average temperature that was not exceeded but may have been equalled by this year's average temperature.

| <u>Station</u> | <u>August Average Temperature, Year</u> |
|------------------------------|---|
| Baltimore WSO Airport | 78.7, 1968 |
| Oakland | 70.6, 1959 |
| Hancock | 73.8, 1978 |
| Hagerstown | 76.7, 1968 |
| College Park | 79.7, 1900 |
| Patuxent River NAS | 80.1, 1970 |
| Salisbury | 78.8, 1978 |
| Georgetown | 77.4, 1978 |
| Wilmington WSO Airport | 78.2, 1900 |
| Washington WSO Nat'l Airport | 1980, record breaking |

August rainfall was light and spotty except much above normal in the Garrett County area. Greatest monthly total, 7.39 inches, was recorded at Oakland; the only measurable rainfall after the 19th was 0.02 inch on the 31st. McHenry, also in Garrett County, recorded 7.04 inches.

State Climatologist
1123A Jull Hall
University of Maryland
College Park, MD 20742

REFERENCE NOTES

MARYLAND AND DELAWARE

Additional information regarding the climate of these States may be obtained by writing to the National Climatic Center, Federal Building, Asheville, N.C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "HOURLY PRECIPITATION DATA" for these States.

DIMENSIONAL UNITS: 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. In "Supplemental Data" table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

OBSERVATION TIME: 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 National Weather Service Offices and FAA stations. For these stations snow on ground values are at 7:00 a.m., e.s.t. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "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.

EVAPORATION is measured in the standard Weather Service-type pan of 4-foot diameter unless otherwise noted below in the "Evaporation and Wind" table. Max and Min values in the "Evaporation and Wind" table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

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 may result in apparent inconsistencies in the record. Time of observation 1:00 p.m., e.s.t.

SNOWFALL: Entries of snowfall in the "Monthly Summarized Data" table, 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.

NORMALS for all stations are climatological standard normals based on the period 1941-1970.

DIVISIONS, as used in this publication, became effective with data for October 1956.

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

SEASONAL TABLES: 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.

LATE REPORTS AND CORRECTIONS will be published annually as a Supplemental bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, "Daily Soil Temperatures" table.
- No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- ‡ Extreme occurred at station with incomplete data which may have been exceeded.
- 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.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "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.
- SS This entry in time of observation column in Station Index means observations made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

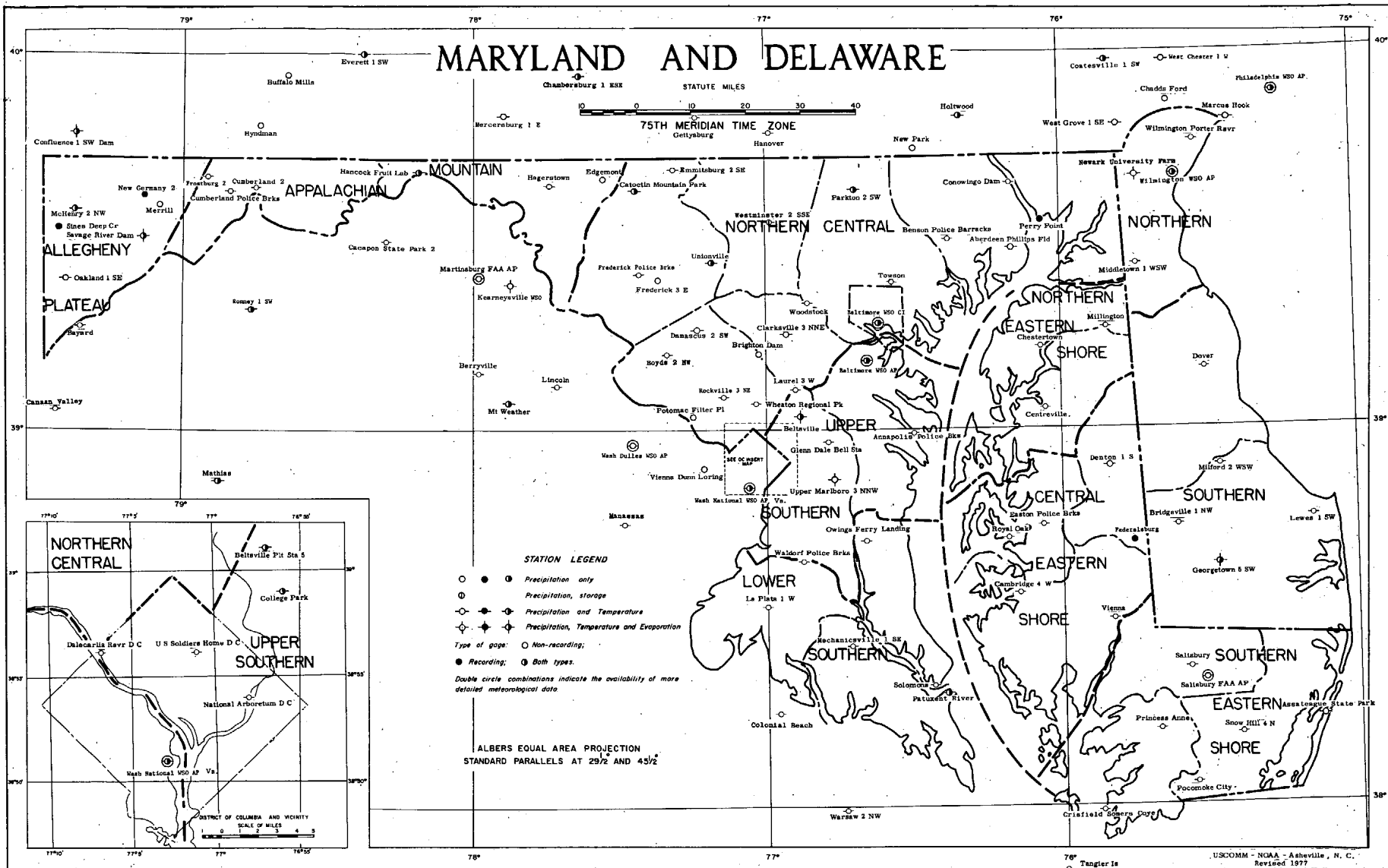
Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

General weather conditions in the U.S. for each month are described in the CLIMATOLOGICAL DATA NATIONAL SUMMARY and STORM DATA.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for these States, price 25 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 30 cents. Note minimum charge and ordering instructions below.

Subscription Price: \$5.85 per year for each section including annual summary; \$13.00 foreign; 45¢ single copy; \$1.00 foreign; 45¢ annual summary; \$1.00 foreign. There is a minimum charge of \$3.00 for each order of shelf-stocked issues of publications. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N.C. 28801. ATTN: Publications

USCOMM-NOAA-ASHEVILLE, N.C. 1980-940



U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE
COM 210



THIRD CLASS
BULK RATE