



# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE  
JUNE 1969

Continued

| Station                | Temperature        |                    |         |                          |                 |                |             |                 |                 |                 |                | Precipitation |                          |                      |             |                         |      |             |             |              |
|------------------------|--------------------|--------------------|---------|--------------------------|-----------------|----------------|-------------|-----------------|-----------------|-----------------|----------------|---------------|--------------------------|----------------------|-------------|-------------------------|------|-------------|-------------|--------------|
|                        | Average<br>Maximum | Average<br>Minimum | Average | Departure<br>From Normal | Highest<br>Date | Lowest<br>Date | Degree Days | No. of Days     |                 |                 |                | Total         | Departure<br>From Normal | Greatest Day<br>Date | Snow, Sleet |                         |      | No. of Days |             |              |
|                        |                    |                    |         |                          |                 |                |             | 90° or<br>Above | 70° or<br>Below | 31° or<br>Below | 0° or<br>Below |               |                          |                      | Total       | Max. Depth<br>on Ground | Date | .10 or More | .50 or More | 1.00 or More |
|                        |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| TOWSON                 | 84.1               | 64.6               | 74.4    |                          | 96 28           | 54 17+         | 0           | 4               | 0               | 0               | 0              | 2.11          | - 1.56                   | 1.20                 | 3           | .0                      | 0    | 4           | 1           | 1            |
| UNIONVILLE             | 81.9               | 59.8               | 70.9    |                          | 96 13           | 46 17          | 20          | 3               | 0               | 0               | 0              | 2.23          |                          | 1.02                 | 3           | .0                      | 0    | 4           | 2           | 1            |
| WESTMINSTER 2 SSE      | 82.3               | 60.8               | 71.6    | .9                       | 94 28           | 47 4           | 12          | 3               | 0               | 0               | 0              | 3.72          | -.41                     | 2.26                 | 14          | .0                      | 0    | 4           | 2           | 1            |
| WHEATON REGIONAL PARK  | 82.3               | 62.4               | 72.4    |                          | 92 30+          | 50 17          | 5           | 3               | 0               | 0               | 0              | 3.43          |                          | 1.20                 | 3           | .0                      | 0    | 5           | 3           | 1            |
| WOODSTOCK              |                    |                    |         |                          |                 | 48 16          |             |                 |                 |                 |                | 2.89          | -.91                     | 1.34                 | 3           | .0                      | 0    |             |             |              |
| DIVISION               |                    |                    | 72.6    | 1.4                      |                 |                |             |                 |                 |                 |                | 3.01          | -.86                     |                      |             | .0                      |      |             |             |              |
| * * *                  |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| APPALACHIAN MOUNTAIN   |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| BOONSBORO              | 83.5               | 63.0               | 73.3    |                          | 96 28           | 48 4           | 8           | 4               | 0               | 0               | 0              | 1.50          |                          | .45                  | 3           | .0                      | 0    | 5           | 0           | 0            |
| CHEWSVILLE BRIDGEPORT  | 85.7               | 60.7               | 73.2    | 2.9                      | 99 28           | 47 4           | 3           | 9               | 0               | 0               | 0              | 2.58          | -.97                     | .78                  | 3           | .0                      | 0    | 5           | 3           | 0            |
| CUMBERLAND             | 86.5               | 58.4               | 72.5    |                          | 103 30          | 46 4+          | 16          | 11              | 0               | 0               | 0              | 2.65          |                          | 1.02                 | 3           | .0                      | 0    | 6           | 2           | 1            |
| CUMBERLAND POLICE BRKS | 85.6               | 57.7               | 71.7    |                          | 99 30           | 42 4           | 17          | 6               | 0               | 0               | 0              | 2.10          |                          | .60                  | 15          | .0                      | 0    | 7           | 2           | 0            |
| FROSTBURG              | 81.4               | 55.7               | 68.6    | .8                       | 94 30           | 40 4           | 36          | 4               | 0               | 0               | 0              | 3.25          | - 1.10                   | .98                  | 13          | .0                      | 0    | 9           | 1           | 0            |
| HAGERSTOWN             | 85.6               | 62.2               | 73.9    |                          | 98 28           | 49 4           | 6           | 9               | 0               | 0               | 0              | 2.40          |                          | 1.30                 | 3           | .0                      | 0    | 7           | 1           | 1            |
| HANCOCK FRUIT LAB      | 83.8               | 58.6               | 71.2    |                          | 97 29           | 44 4           | 23          | 6               | 0               | 0               | 0              | 2.01          | - 1.79                   | .68                  | 14          | .0                      | 0    | 9           | 1           | 0            |
| PICARDY                | 85.0               | 58.6               | 71.8    |                          | 102 30          | 43 4           | 21          | 9               | 0               | 0               | 0              | 2.61          |                          | 1.04                 | 3           | .0                      | 0    | 8           | 1           | 1            |
| WESTERNPORT            |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| WESTERNPORT UPRC       | 86.3               | 58.9               | 72.6    |                          | 99 30           | 43 4           | 14          | 9               | 0               | 0               | 0              | 2.60          |                          | .87                  | 14          | .0                      | 0    | 9           | 1           | 0            |
| DIVISION               |                    |                    | 72.1    | 1.8                      |                 |                |             |                 |                 |                 |                | 2.41          | - 1.42                   |                      |             | .0                      |      |             |             |              |
| * * *                  |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| ALLEGHENY PLATEAU      |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| BITTINGER 2 NW         | 74.9               | 53.6               | 64.3    |                          | 88 30           | 37 4           | 96          | 0               | 0               | 0               | 0              | 2.64          |                          | .57                  | 13          | .0                      | 0    | 9           | 1           | 0            |
| OAKLAND 1 SE           | 77.5               | 52.3               | 64.9    | .0                       | 90 30           | 35 4           | 82          | 1               | 0               | 0               | 0              | 2.38          | - 2.30                   | .56                  | 15          | .0                      | 0    | 7           | 1           | 0            |
| SAVAGE RIVER DAM       | 78.3               | 55.5               | 66.9    |                          | 90 28+          | 41 4           | 58          | 2               | 0               | 0               | 0              | 2.13          |                          | .58                  | 14          | .0                      | 0    | 9           | 1           | 0            |
| SINES DEEP CREEK 2     | 78.6               | 51.8               | 65.2    | 1.0                      | 91 30           | 35 4           | 79          | 2               | 0               | 0               | 0              | 1.82          | - 3.00                   | .37                  | 15          | .0                      | 0    | 9           | 0           | 0            |
| DIVISION               |                    |                    | 65.3    | .7                       |                 |                |             |                 |                 |                 |                | 2.24          | - 2.31                   |                      |             | .0                      |      |             |             |              |
| DELAWARE               |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| * * *                  |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| NORTHERN               |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| MIDDLETOWN 1 WSW       | 85.2M              | 62.3M              | 73.8M   |                          | 96 28           | 51 4           | 1           | 8               | 0               | 0               | 0              | 2.11          |                          | .62                  | 18          | .0                      | 0    | 4           | 2           | 0            |
| NEWARK UNIVERSITY FARM | 85.1               | 60.5               | 72.8    |                          | 96 28           | 50 10+         | 4           | 8               | 0               | 0               | 0              | 3.92          |                          | 2.22                 | 3           | .0                      | 0    | 6           | 2           | 1            |
| WILMGTON CASTLE WB AP  | 81.9               | 64.9               | 73.4    | 2.0                      | 95 28           | 53 4           | 1           | 1               | 0               | 0               | 0              | 3.62          | -.45                     | 1.71                 | 18          | .0                      | 0    | 4           | 3           | 1            |
| WILMGTON PORTER RESVR  | 81.7               | 62.6               | 72.2    |                          | 94 28           | 49 4           | 4           | 2               | 0               | 0               | 0              | 4.68          | .77                      | 1.26                 | 18          | .0                      | 0    | 5           | 4           | 3            |
| DIVISION               |                    |                    | 73.1    | 1.6                      |                 |                |             |                 |                 |                 |                | 3.58          | -.25                     |                      |             | .0                      |      |             |             |              |
| * * *                  |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| SOUTHERN               |                    |                    |         |                          |                 |                |             |                 |                 |                 |                |               |                          |                      |             |                         |      |             |             |              |
| BRIDGEVILLE 1 NW       | 86.8               | 62.9               | 74.9    | 2.7                      | 101 28          | 49 4           | 1           | 14              | 0               | 0               | 0              | 1.39          | - 2.21                   | .47                  | 15          | .0                      | 0    | 5           | 0           | 0            |
| DOVER                  | 84.9               | 63.9               | 74.4    | 1.5                      | 98 28           | 54 4           | 0           | 7               | 0               | 0               | 0              | 4.18          | .72                      | 1.75                 | 14          | .0                      | 0    | 7           | 3           | 1            |
| GEORGETOWN 5 SW        | 84.9M              | 63.2M              | 74.1M   |                          | 99 29           | 48 4           | 3           | 7               | 0               | 0               | 0              | 1.95          |                          | 1.18                 | 16          | .0                      | 0    | 3           | 2           | 1            |
| LEWES 1 SW             | 81.1               | 63.9               | 72.5    |                          | 96 28           | 56 10          | 2           | 2               | 0               | 0               | 0              | 2.21          |                          | .80                  | 15+         | .0                      | 0    | 5           | 2           | 0            |
| MILFORD 2 WSW          | 85.6               | 62.3               | 74.0    |                          | 98 28           | 48 4           | 2           | 10              | 0               | 0               | 0              | 6.14          |                          | 4.41                 | 15          | .0                      | 0    | 7           | 2           | 1            |
| SELBYVILLE             | 84.7               | 63.4               | 74.1    |                          | 97 28           | 50 5+          | 0           | 6               | 0               | 0               | 0              | 1.74          |                          | .51                  | 14          | .0                      | 0    | 6           | 1           | 0            |
| DIVISION               |                    |                    | 74.0    | 1.6                      |                 |                |             |                 |                 |                 |                | 2.94          | -.67                     |                      |             | .0                      |      |             |             |              |

## TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE, 103° ON THE 30TH AT CUMBERLAND, MD.

LOWEST TEMPERATURE, 35° ON THE 4TH AT 2 STATIONS

GREATEST TOTAL PRECIPITATION, 7.46 INCHES AT U S SOLDIERS HOME D C, MD.

LEAST TOTAL PRECIPITATION, .95 INCH AT PRESTON 1 S, MD.

GREATEST ONE-DAY PRECIPITATION, 4.41 INCHES ON THE 15TH AT MILFORD 2 WSW, DEL.

See Reference Notes Following Station Index



# DAILY PRECIPITATION

Continued

MARYLAND AND DELAWARE  
JUNE 1969

| 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 MSW        | 2.11  |              |      | .33   |   |   |   |     | .03 |   |    |    |    |       | T .48 | .06  |      | .62 | .53 |     |    |    |    |     |     |      | .06 |    |    |    |    |    |  |
| NEWARK UNIVERSITY FARM  | 3.92  |              | 2.22 |       |   |   |   | .10 |     |   |    |    |    | T .01 | .20   | .08  |      | .18 | .69 |     |    |    |    |     | .02 | .01  | .41 |    |    |    |    |    |  |
| WILMINGTON CASTLE HB AP | 3.62  |              |      | .80   |   |   |   | .03 | .02 |   | T  |    |    | T .32 |       |      | 1.71 | .09 |     |     |    |    |    | .01 |     | .64  |     |    |    |    |    |    |  |
| WILMINGTON PORTER RESVR | 4.68  |              | 1.12 |       |   |   |   | .36 |     |   |    |    |    | T .78 |       |      | 1.26 | .02 |     |     |    |    |    | T   |     | 1.14 |     |    |    |    |    |    |  |
| * * * * *               |       |              |      |       |   |   |   |     |     |   |    |    |    |       |       |      |      |     |     |     |    |    |    |     |     |      |     |    |    |    |    |    |  |
| SOUTHERN 02             |       |              |      |       |   |   |   |     |     |   |    |    |    |       |       |      |      |     |     |     |    |    |    |     |     |      |     |    |    |    |    |    |  |
| BRIDGEVILLE 1 NW        | 1.39  |              |      | .26   |   |   |   | .32 |     |   |    |    |    |       |       | .47  | .05  |     | .11 | .18 |    |    |    |     |     |      |     |    |    |    |    |    |  |
| DOVER                   | 4.18  |              |      | .14   |   |   |   | .21 |     |   | T  |    |    | 1.75  | .33   | .68  | .32  | .75 |     |     |    |    |    |     |     |      |     |    |    |    |    |    |  |
| GEORGETOWN 5 SW         | 1.95  |              |      | .03   |   |   |   | .17 |     |   |    |    |    |       | .57   | 1.18 |      | T   |     |     |    |    |    |     |     |      |     |    |    |    |    |    |  |
| LEWES 1 SW              | 2.21  |              | T    |       |   |   |   | .36 |     |   |    |    |    |       | .80   | .80  |      |     | .02 | .10 |    |    |    |     |     | T    |     |    |    |    |    |    |  |
| MILFORD 2 MSW           | 6.14  |              | .17  | T .27 |   |   |   | .34 |     |   |    |    |    |       | .06   | 4.41 | .27  |     | .10 | .51 |    |    |    |     |     |      | .01 |    |    |    |    |    |  |
| SELBYVILLE              | 1.74  |              |      | .30   |   |   |   | .15 |     |   |    |    |    |       | .51   | .37  | .28  |     |     | .03 |    |    |    |     |     |      | .10 |    |    |    |    |    |  |

## SPECIAL WEATHER SUMMARY

Below normal precipitation continued to plague most of the two-state area, especially northern and western Maryland where each month of the 7-month period, December 1968-June 1969, was below normal, making this period the driest

on record since the 1870's. The following are precipitation totals for selected stations with long periods of record and their departures from the 1931-1960 normals:

| STATION                                   | PRECIPITATION (In Inches)       |                       |
|---|---------------------------------|-----------------------|
|   | December 1968 - June 1969 Total | Departure from Normal |
| Baltimore Weather Bureau<br>(City Office) | 14.10                           | -11.14                |
| Frederick                                 | 14.02                           | - 9.11                |
| Hagerstown (Chewsville-<br>Bridgeport)    | 12.11                           | - 8.70                |
| Hancock                                   | 10.21                           | -11.32                |
| Cumberland                                | 11.21                           | -11.36                |
| Oakland                                   | 17.46                           | -12.17                |

There were, however, a few above normal precipitation totals in both the Washington, D. C., metropolitan area and the east-central Delaware area. The Milford, Delaware, weather station reported a daily total of 4.41 inches on the 15th, a 1-day record June total; also, 4.04 inches of this fell from 5:00 to 6:45 p.m. (e.s.t.). On this same day an unofficial total of 5.75 inches was reported at Felton, Delaware.

Damaging storms during the month included the thunderstorms of the 8th in central Maryland which brought wind, hail, and lightning damage to scattered areas, especially in Montgomery and Prince Georges County, and the thunderstorms of the 15th brought wind damage to the Hagerstown area and heavy rain and local flooding to east-central Delaware.

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# DAILY TEMPERATURES

MARYLAND AND DELAWARE  
JUNE 1969

Continued

| 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           |              |  |
| MARYLAND               |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| HANCOCK FRUIT LAB      | MAX<br>MIN   | 89<br>52 | 92<br>64 | 89<br>51 | 70<br>44 | 76<br>48 | 82<br>53 | 88<br>57 | 82<br>56 | 83<br>58 | 75<br>49 | 68<br>55 | 84<br>62 | 90<br>63 | 88<br>65 | 88<br>68 | 82<br>61 | 72<br>45 | 77<br>55 | 70<br>60 | 85<br>60 | 89<br>63 | 77<br>53 | 77<br>64 | 89<br>65 | 90<br>67 | 88<br>64 | 89<br>68 | 96<br>67  | 97<br>60     | 92<br>58     | 83.8<br>58.6 |  |
| PICARDY                | MAX<br>MIN   | 93<br>55 | 89<br>63 | 75<br>49 | 76<br>43 | 82<br>49 | 87<br>55 | 82<br>56 | 83<br>56 | 71<br>55 | 69<br>48 | 85<br>53 | 91<br>65 | 87<br>66 | 85<br>65 | 81<br>64 | 75<br>57 | 77<br>46 | 71<br>55 | 85<br>58 | 90<br>67 | 83<br>50 | 77<br>53 | 89<br>61 | 92<br>68 | 89<br>64 | 93<br>67 | 98<br>68 | 98<br>70  | 94<br>62     | 102<br>59    | 85.0<br>58.6 |  |
| WESTERNPORT            | MAX<br>MIN   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| WESTERNPORT UPRC       | MAX<br>MIN   | 95<br>60 | 94<br>63 | 90<br>54 | 82<br>43 | 84<br>48 | 89<br>54 | 84<br>60 | 80<br>56 | 71<br>57 | 69<br>47 | 86<br>54 | 92<br>63 | 86<br>66 | 87<br>65 | 84<br>67 | 79<br>58 | 77<br>45 | 77<br>54 | 82<br>60 | 88<br>62 | 87<br>57 | 80<br>58 | 87<br>66 | 89<br>67 | 89<br>66 | 94<br>64 | 97<br>67 | 97<br>69  | 94<br>61     | 99<br>60     | 86.3<br>58.9 |  |
| * * *                  |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| ALLEGHENY PLATEAU 08   |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| BITTINGER 2 NW         | MAX<br>MIN   | 83<br>54 | 80<br>55 | 57<br>41 | 66<br>37 | 72<br>46 | 77<br>51 | 72<br>52 | 79<br>52 | 68<br>48 | 59<br>46 | 78<br>56 | 82<br>62 | 78<br>61 | 80<br>59 | 72<br>60 | 66<br>48 | 67<br>40 | 68<br>48 | 71<br>55 | 77<br>59 | 70<br>52 | 72<br>47 | 74<br>58 | 77<br>62 | 78<br>63 | 87<br>61 | 85<br>64 | 83<br>67  | 81<br>59     | 88<br>58     | 74.9<br>53.6 |  |
| OAKLAND 1 SE           | MAX<br>MIN   | 85<br>47 | 83<br>58 | 62<br>45 | 68<br>35 | 75<br>39 | 80<br>46 | 77<br>47 | 83<br>48 | 63<br>52 | 64<br>48 | 80<br>54 | 82<br>62 | 83<br>60 | 74<br>52 | 62<br>39 | 73<br>53 | 70<br>47 | 74<br>56 | 79<br>60 | 72<br>57 | 77<br>47 | 77<br>57 | 81<br>65 | 81<br>64 | 89<br>57 | 88<br>59 | 86<br>64 | 83<br>66  | 90<br>51     | 77.5<br>52.3 |              |  |
| SAVAGE RIVER DAM       | MAX<br>MIN   | 85<br>52 | 87<br>59 | 85<br>51 | 60<br>41 | 71<br>45 | 77<br>50 | 82<br>55 | 76<br>53 | 72<br>55 | 66<br>47 | 65<br>51 | 80<br>53 | 86<br>61 | 84<br>60 | 84<br>63 | 78<br>55 | 68<br>44 | 72<br>47 | 69<br>54 | 77<br>62 | 82<br>59 | 71<br>52 | 75<br>58 | 80<br>64 | 82<br>64 | 82<br>62 | 90<br>63 | 90<br>66  | 88<br>60     | 85<br>58     | 78.3<br>55.5 |  |
| SINES DEEP CREEK 2     | MAX<br>MIN   | 86<br>46 | 81<br>55 | 61<br>47 | 69<br>35 | 75<br>38 | 80<br>47 | 75<br>49 | 73<br>38 | 72<br>49 | 67<br>41 | 82<br>47 | 85<br>53 | 89<br>61 | 85<br>60 | 75<br>62 | 68<br>52 | 74<br>40 | 74<br>47 | 75<br>57 | 80<br>57 | 78<br>58 | 81<br>64 | 80<br>62 | 90<br>59 | 89<br>59 | 86<br>60 | 85<br>53 | 91<br>54  | 78.6<br>51.8 |              |              |  |
| DELAWARE               |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| * * *                  |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| NORTHERN 01            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| MIDDLETOWN 1 WSW       | MAX<br>MIN   | 85<br>59 | 90<br>68 | 88<br>63 | 76<br>51 | 77<br>54 | 86<br>56 | 87<br>62 | 83<br>63 | 73<br>59 | 79<br>52 | 80<br>67 | 89<br>61 | 90<br>67 | 89<br>71 | 88<br>69 | 76<br>68 | 77<br>52 | 78<br>57 | 84<br>61 | 88<br>66 | 87<br>66 | 57       | 88<br>63 | 91<br>63 | 91<br>70 | 83<br>63 | 90<br>65 | 96<br>70  | 92<br>69     | 91<br>61     | 85.2<br>62.3 |  |
| NEWARK UNIVERSITY FARM | MAX<br>MIN   | 86<br>53 | 92<br>64 | 89<br>60 | 74<br>50 | 74<br>53 | 85<br>56 | 85<br>61 | 82<br>63 | 79<br>55 | 80<br>50 | 80<br>61 | 87<br>62 | 90<br>56 | 89<br>67 | 89<br>66 | 75<br>62 | 79<br>53 | 79<br>56 | 82<br>60 | 88<br>65 | 88<br>62 | 80<br>55 | 87<br>62 | 91<br>63 | 90<br>70 | 80<br>64 | 89<br>67 | 96<br>69  | 95<br>67     | 93<br>62     | 85.1<br>60.5 |  |
| WILMGTN NCASTLE WB AP  | MAX<br>MIN   | 84<br>62 | 88<br>70 | 76<br>60 | 74<br>53 | 75<br>59 | 82<br>61 | 80<br>63 | 82<br>66 | 76<br>60 | 78<br>56 | 86<br>69 | 86<br>56 | 86<br>70 | 87<br>73 | 87<br>71 | 75<br>60 | 77<br>56 | 75<br>63 | 83<br>63 | 88<br>70 | 75<br>65 | 79<br>60 | 85<br>67 | 89<br>67 | 77<br>69 | 80<br>67 | 86<br>70 | 95<br>73  | 87<br>71     | 88<br>67     | 81.9<br>64.9 |  |
| WILMGTN PORTER RESVR   | MAX<br>MIN   | 84<br>59 | 87<br>68 | 74<br>58 | 74<br>49 | 74<br>57 | 83<br>57 | 79<br>61 | 81<br>63 | 75<br>56 | 79<br>56 | 78<br>64 | 84<br>70 | 86<br>69 | 86<br>67 | 86<br>69 | 78<br>63 | 82<br>63 | 74<br>54 | 82<br>64 | 87<br>63 | 75<br>61 | 78<br>58 | 83<br>64 | 89<br>64 | 75<br>65 | 80<br>66 | 88<br>67 | 94<br>70  | 86<br>70     | 90<br>64     | 81.7<br>62.6 |  |
| * * *                  |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| SOUTHERN 02            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |              |              |              |  |
| BRIDGEVILLE 1 NW       | MAX<br>MIN   | 90<br>55 | 90<br>69 | 80<br>63 | 79<br>49 | 79<br>54 | 89<br>56 | 85<br>65 | 87<br>64 | 85<br>61 | 78<br>54 | 83<br>56 | 92<br>63 | 92<br>65 | 91<br>70 | 90<br>68 | 74<br>64 | 78<br>57 | 76<br>57 | 85<br>66 | 92<br>67 | 87<br>68 | 79<br>59 | 91<br>64 | 95<br>72 | 90<br>73 | 85<br>62 | 92<br>63 | 101<br>70 | 94<br>71     | 96<br>62     | 86.8<br>62.9 |  |
| DOVER                  | MAX<br>MIN   | 82<br>59 | 90<br>69 | 89<br>63 | 77<br>54 | 76<br>56 | 87<br>58 | 85<br>64 | 82<br>62 | 79<br>60 | 73<br>58 | 81<br>66 | 89<br>65 | 91<br>68 | 92<br>65 | 85<br>60 | 81<br>68 | 76<br>56 | 76<br>60 | 83<br>63 | 88<br>69 | 86<br>67 | 77<br>60 | 87<br>60 | 90<br>71 | 86<br>72 | 81<br>66 | 91<br>65 | 98<br>71  | 97<br>65     | 89<br>66     | 84.9<br>63.9 |  |
| GEORGETOWN 5 SW        | MAX<br>MIN   | 87<br>54 | 90<br>68 | 89<br>63 | 80<br>48 | 77<br>55 | 77<br>57 | 88<br>61 | 85<br>63 | 88<br>63 | 71<br>54 | 77<br>56 | 82<br>64 | 90<br>66 | 89<br>70 | 87<br>70 | 86<br>66 | 73<br>64 | 78<br>56 | 79<br>67 | 82<br>67 | 90<br>69 | 80<br>60 | 82<br>60 | 89<br>73 | 91<br>72 | 89<br>63 | 83<br>63 | 91<br>69  | 99<br>71     | 92<br>61     | 84.9<br>63.2 |  |
| LEWES 1 SW             | MAX<br>MIN   | 83<br>57 | 89<br>66 | 79<br>63 | 71<br>59 | 72<br>60 | 83<br>62 | 76<br>63 | 80<br>63 | 68<br>58 | 74<br>56 | 75<br>65 | 86<br>63 | 87<br>68 | 86<br>70 | 84<br>69 | 72<br>63 | 72<br>64 | 76<br>58 | 82<br>66 | 90<br>67 | 80<br>65 | 72<br>64 | 88<br>65 | 89<br>72 | 78<br>67 | 86<br>63 | 88<br>63 | 96<br>70  | 85<br>69     | 86<br>64     | 81.1<br>63.9 |  |
| MILFORD 2 WSW          | MAX<br>MIN   | 91<br>54 | 91<br>68 | 81<br>62 | 78<br>48 | 78<br>54 | 88<br>56 | 85<br>65 | 71<br>62 | 85<br>60 | 77<br>52 | 83<br>55 | 91<br>64 | 91<br>67 | 89<br>69 | 82<br>66 | 76<br>64 | 76<br>57 | 76<br>58 | 83<br>64 | 89<br>67 | 88<br>67 | 76<br>60 | 89<br>64 | 94<br>71 | 90<br>63 | 85<br>69 | 91<br>63 | 98<br>69  | 97<br>65     | 95<br>61     | 85.6<br>62.3 |  |
| SELBYVILLE             | MAX<br>MIN   | 84<br>55 | 87<br>68 | 81<br>64 | 79<br>50 | 79<br>50 | 86<br>56 | 84<br>64 | 85<br>61 | 84<br>61 | 73<br>54 | 78<br>56 | 86<br>62 | 85<br>68 | 88<br>78 | 82<br>70 | 78<br>66 | 79<br>60 | 79<br>57 | 85<br>68 | 91<br>68 | 85<br>65 | 75<br>62 | 87<br>63 | 93<br>71 | 93<br>72 | 82<br>67 | 87<br>61 | 97<br>70  | 94<br>73     | 92<br>63     | 84.7<br>63.4 |  |

## SUPPLEMENTAL DATA

| Station                      | Wind<br>(Speed - m.p.h.) |                 |         |              |                           |                      | Relative humidity averages - percent |      |      |      | Number of days with precipitation |         |         |         |           |               |       | Percent of possible sunshine | Average sky cover sunrise to sunset |
|------------------------------|--------------------------|-----------------|---------|--------------|---------------------------|----------------------|--------------------------------------|------|------|------|-----------------------------------|---------|---------|---------|-----------|---------------|-------|------------------------------|-------------------------------------|
|                              | Resultant Direction      | Resultant Speed | Average | Fastest mile | Direction of fastest mile | Date of fastest mile | EASTERN STANDARD TIME                |      |      |      | Trace                             | .01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00 and over | Total |                              |                                     |
|                              |                          |                 |         |              |                           |                      | 1 AM                                 | 7 AM | 1 PM | 7 PM |                                   |         |         |         |           |               |       |                              |                                     |
| BALTIMORE WB AIRPORT MD      | 20                       | 2.6             | 7.1     | 32           | SE                        | 02                   | 83                                   | 81   | 53   | 64   | 4                                 | 2       | 1       | 2       | 1         | 0             | 10    | 54                           | 6.6                                 |
| WILMINGTON NCASTLE WB AP DEL | 16                       | 3.6             | 9.1     | 23++         | 15                        | 14                   | 78                                   | 77   | 55   | 65   | 3                                 | 4       | 1       | 2       | 1         | 0             | 11    | -                            | 7.0                                 |

# EVAPORATION AND WIND

MARYLAND AND DELAWARE  
JUNE 1969

| Station                       | Day Of Month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total<br>or<br>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         | .30 | .21 | .49 | *   | .93 | .14 | .37 | .12 | .51 | .10 | .01 | .20 | .26 | .12 | .15 | .35 | *   | .47 | -   | .29 | .15 | .20 | .30 | -   | .35 | .27 | .26 | .17 | .24 | .43 | 7.498               |      |
|                               | WIND         | 26  | 47  | 78  | *   | 42  | 104 | 28  | 23  | 38  | 24  | 23  | 38  | 51  | 51  | 36  | 55  | *   | 67  | 13  | 17  | 27  | 39  | 69  | 40  | 29  | 48  | 57  | 31  | 48  | 36  | 1185                |      |
|                               | MAX          | 94  | 93  | 95  | -   | 94  | 95  | 94  | 92  | 90  | 75  | 75  | 78  | 96  | 97  | 104 | 86  | -   | 91  | 72  | 93  | 93  | 96  | 90  | 93  | 95  | 92  | 92  | 93  | 99  | 92  | 91.0                |      |
|                               | MIN          | 61  | 66  | 64  | -   | 60  | 60  | 62  | 66  | 65  | 61  | 58  | 65  | 68  | 62  | 62  | 65  | -   | 58  | 61  | 61  | 55  | 63  | 64  | 70  | 70  | 71  | 70  | 72  | 71  | 68  | 64.3                |      |
| UPPER MARLBORO 3 NNH          |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
|                               | EVAP         | .29 | .18 | .20 | .43 | .22 | .19 | .25 | .16 | .27 | .13 | .05 | .11 | .26 | .25 | .20 | .16 | .24 | .26 | .00 | .24 | .21 | .18 | .18 | .24 | .20 | .29 | .18 | .05 | .24 | .15 | 6.01                |      |
|                               | WIND         | 1   | 1   | 11  | 4   | 0   | 3   | 2   | 3   | 8   | 6   | 0   | 1   | 3   | 21  | 9   | 62  | 33  | 10  | 3   | 10  | 27  | 5   | 15  | 33  | 9   | 18  | 8   | 7   | 20  | 0   | 333                 |      |
|                               | MAX          | 90  | 98  | 93  | 90  | 87  | 87  | 91  | 86  | 85  | 75  | 78  | 83  | 96  | 95  | 94  | 96  | 84  | 90  | 74  | 94  | 93  | 79  | 95  | 93  | 98  | 95  | 95  | 94  | 101 | 98  | 90.2                |      |
|                               | MIN          | 58  | 63  | 61  | 62  | 63  | 63  | 66  | 64  | 64  | 62  | 62  | 66  | 68  | 66  | 67  | 65  | 58  | 60  | 64  | 66  | 64  | 57  | 63  | 70  | 72  | 64  | 70  | 72  | 68  | 65  | 64.4                |      |
| * * * APPALACHIAN MOUNTAIN 07 |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
| BOONSBORO                     |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
|                               | EVAP         | .18 | .22 | .34 | .19 | .19 | .19 | .15 | .18 | .12 | .06 | .11 | .23 | .20 | .12 | .13 | .22 | .15 | .09 | .14 | .21 | .18 | .14 | .15 | .11 | .24 | .22 | .22 | .30 | .24 | .27 | 5.49                |      |
|                               | WIND         | 20  | 31  | 40  | 18  | 35  | 23  | 16  | 9   | 16  | 7   | 20  | 30  | 13  | 12  | 25  | 41  | 13  | 8   | 17  | 23  | 21  | 19  | 39  | 20  | 25  | 32  | 31  | 27  | 17  | 22  | 670                 |      |
|                               | MAX          | 92  | 93  | 90  | 81  | 84  | 89  | 88  | 88  | 81  | 77  | 88  | 97  | 93  | 92  | 91  | 83  | 84  | 83  | 90  | 91  | 90  | 80  | 88  | 86  | 89  | 93  | 94  | 95  | 91  | 95  | 88.5                |      |
|                               | MIN          | 66  | 68  | 60  | 54  | 59  | 63  | 64  | 69  | 63  | 58  | 60  | 67  | 71  | 71  | 72  | 63  | 57  | 63  | 63  | 66  | 65  | 61  | 66  | 70  | 73  | 71  | 73  | 75  | 70  | 69  | 65.7                |      |
| * * * ALLEGHENY PLATEAU 08    |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
| SAVAGE RIVER DAM              |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
|                               | EVAP         | .35 | .12 | .44 | .21 | .20 | .21 | .26 | .22 | .10 | .11 | .07 | .16 | .14 | .22 | .32 | .04 | .13 | .18 | .05 | .21 | .24 | .12 | .27 | .09 | .22 | .19 | .19 | .17 | .42 | .27 | 5.92                |      |
|                               | WIND         | 4   | 3   | 3   | 5   | 6   | 4   | 9   | 6   | 3   | 4   | 5   | 3   | 2   | 4   | 1   | 15  | 7   | 4   | 2   | 4   | 2   | 2   | 6   | 3   | 7   | 4   | 4   | 5   | 15  | 7   | 149                 |      |
|                               | MAX          | -   | -   | -   | 71  | 79  | 78  | 86  | 82  | 78  | 72  | 66  | 82  | 90  | 86  | 92  | 80  | 72  | 80  | 72  | 82  | 86  | 75  | 84  | 82  | 90  | 88  | 94  | 95  | 92  | 93  | 82.5                |      |
|                               | MIN          | -   | -   | -   | 51  | 47  | 53  | 59  | 59  | 60  | 54  | 55  | 56  | 65  | 73  | 66  | 57  | 49  | 51  | 56  | 62  | 63  | 58  | 59  | 57  | 69  | 67  | 67  | 68  | 64  | 62  | 55.5                |      |
| DELAWARE                      |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
| * * * NORTHERN 01             |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
| NEWARK UNIVERSITY FARM        |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
|                               | EVAP         | -   | .23 | -   | .26 | .22 | .19 | .25 | .22 | .17 | .18 | .22 | .16 | .24 | .25 | .26 | .14 | .16 | .27 | .04 | .31 | .28 | .16 | .07 | .25 | .21 | .10 | .15 | .24 | .23 | .32 | 6.198               |      |
|                               | WIND         | 34  | 42  | 80  | 42  | 35  | 40  | 28  | 18  | 37  | 25  | 28  | 33  | 37  | 34  | 47  | 42  | 25  | 26  | 39  | 43  | 37  | 31  | 48  | 29  | 29  | 27  | 31  | 31  | 40  | 21  | 1056                |      |
|                               | MAX          | 92  | 94  | 93  | 82  | 82  | 92  | 91  | 89  | 84  | 88  | 87  | 93  | 97  | 97  | 90  | 84  | 87  | 87  | 86  | 91  | 92  | 88  | 89  | 92  | 91  | 85  | 93  | 98  | 97  | 98  | 90.3                |      |
|                               | MIN          | 62  | 68  | 64  | 57  | 60  | 60  | 67  | 67  | 62  | 58  | 64  | 66  | 70  | 73  | 72  | 66  | 60  | 63  | 62  | 69  | 66  | 60  | 65  | 68  | 72  | 67  | 70  | 74  | 71  | 65  | 65.6                |      |
| * * * SOUTHERN 02             |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
| GEORGETOWN 5 SW               |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                     |      |
|                               | EVAP         | .37 | .29 | .43 | .39 | .27 | .27 | .06 | .33 | .26 | .20 | .23 | .17 | .34 | .34 | .23 | -   | .32 | .19 | .07 | .23 | .29 | *   | .43 | .20 | .35 | .35 | .25 | .30 | .37 | .44 | 8.248               |      |
|                               | WIND         | 30  | 89  | 148 | 68  | 52  | 78  | 100 | 60  | 78  | 62  | 50  | 66  | 90  | 100 | *   | 219 | 67  | 70  | 66  | 66  | 65  | 54  | *   | 182 | 109 | 77  | 96  | 61  | 74  | 72  | 64                  | 2347 |

See Reference Notes Following Station Index



# DAILY PRECIPITATION

MARYLAND AND DELAWARE  
JUNE 1969  
DELAYED DATA

| 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 |  |
| MARYLAND                               |       |              |     |     |   |   |   |     |   |     |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |    |    |    |    |    |    |  |
| * * *<br>FEBRUARY 1969<br>WILLIAMSPORT | .90   | .18          | T   | .02 | T |   |   | T   |   | .42 |    |    |    |    |    |    |    |    |    |    | .01 | .02 |     | .10 | .15 |     |    |    |    |    |    |    |  |
| * * *<br>MARCH 1969<br>WILLIAMSPORT    | 1.52  | .27          | .02 |     |   |   |   | .30 |   |     |    |    |    |    |    |    |    |    |    |    | T   |     | .10 | .82 | T   | .01 |    |    |    | T  |    |    |  |

## CORRECTIONS

| DATE       | TABLE               | DIVISION                  | STATION               | CORRECTION  |
|------------|---------------------|---------------------------|-----------------------|---|
| MARCH 1969 | CLIMATOLOGICAL DATA | NORTHERN EASTERN SHORE 05 | COLEMAN 3 WNW         | TOTAL PRECIPITATION 1.60, TOTAL SNOWFALL 4.0; MAXIMUM DEPTH OF SNOW ON GROUND 3, DATE 20, NUMBER OF DAYS OF PRECIPITATION .10 OR MORE 5 |
| MARCH 1969 | CLIMATOLOGICAL DATA | NORTHERN EASTERN SHORE 05 | DIVISION              | AVERAGE PRECIPITATION 1.84, DEPARTURE FROM NORMAL -2.05; AVERAGE SNOWFALL 9.4   |
| MARCH 1969 | DAILY PRECIPITATION | NORTHERN EASTERN SHORE 05 | COLEMAN 3 WNW         | TOTAL 1.60, AMOUNT ON 2D .30  |
| APRIL 1969 | CLIMATOLOGICAL DATA | APPALACHIAN MOUNTAIN 07   | CHEWSVILLE BRIDGEPORT | AVERAGE MAXIMUM 68.0, AVERAGE TEMPERATURE 55.4, DEPARTURE FROM NORMAL 3.9, TOTAL DEGREE DAYS 294  |
| APRIL 1969 | DAILY PRECIPITATION | APPALACHIAN MOUNTAIN 07   | CHEWSVILLE BRIDGEPORT | AMOUNT ON 18TH .03, 19TH .28, 20TH .00  |
| APRIL 1969 | DAILY TEMPERATURE   | APPALACHIAN MOUNTAIN 07   | CHEWSVILLE BRIDGEPORT | MAXIMUM ON 4TH 64, 15TH 61, AVERAGE MAXIMUM 68.0  |
| APRIL 1969 | CLIMATOLOGICAL DATA | APPALACHIAN MOUNTAIN 07   | DIVISION              | AVERAGE TEMPERATURE 55.4, DEPARTURE FROM NORMAL 3.3   |
| MAY 1969   | CLIMATOLOGICAL DATA | NORTHERN CENTRAL 06       | BALTIMORE WB CITY     | TOTAL PRECIPITATION 1.71, DEPARTURE FROM NORMAL -2.44, GREATEST DAY .80, NUMBER OF DAYS WITH PRECIPITATION .10 OR MORE 3                |
| MAY 1969   | CLIMATOLOGICAL DATA | NORTHERN CENTRAL 06       | DIVISION              | AVERAGE PRECIPITATION 1.95, DEPARTURE FROM NORMAL -2.23   |
| MAY 1969   | DAILY PRECIPITATION | NORTHERN CENTRAL 06       | BALTIMORE WB CITY     | TOTAL 1.71, AMOUNT ON 19TH .33, 20TH .80  |



REFERENCE NOTES

MARYLAND AND DELAWARE  
JUNE 1969

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the Environmental Science Services Administration State Climatologist, Room 34, Symons Hall, University of Maryland, College Park, Maryland 20740, or to any Weather Bureau Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA MARYLAND AND DELAWARE".

**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 the 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. 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 Bureau type pan of 4-foot diameter unless otherwise shown by footnote following 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.

**SNOWFALL:** Entries of snowfall in the "Climatological 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 1931-1960.

**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 direction 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.

**DELAYED DATA AND CORRECTIONS** will be carried only in the June and December issues of this 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, and the Station Index.
- No record in the "Climatological 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.
- 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 observation 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 publications MONTHLY WEATHER REVIEW, CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

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 Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

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, D. C. 20402.

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