

U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, *Secretary*

WEATHER BUREAU

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CONTENTS

TECHNICAL PAPER NO. 15

# Maximum Station Precipitation for 1, 2, 3, 6, 12, and 24 Hours

## Part XXI: Illinois

DIVISION OF HYDROLOGIC SERVICES

HYDROMETEOROLOGICAL SECTION

In cooperation with

THE CORPS OF ENGINEERS, U. S. ARMY



WASHINGTON, D. C.

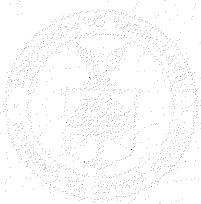
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TECHNICAL PAPER NO. 15

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## MAXIMUM STATION PRECIPITATION FOR 1, 2, 3, 6, 12, and 24 HOURS

### INTRODUCTION

This report which is one of a planned series covering the entire United States, was prompted by the long-standing and widespread interest in maximum observed precipitation amounts for durations of 24 hours and under. At least two summaries of this type of data have already been prepared<sup>1</sup>. Neither summary involved more than a couple of hundred stations throughout the United States, and no attempt was made to determine the month-to-month variation of the maximum values. Eventually, the records for some 3000 recording gages in the United States will have been examined for maximum amounts. The survey for the eastern half of the country is being conducted by the Hydrometeorological Section in cooperation with the Corps of Engineers and that for the western half by the Cooperative Studies Section in cooperation with the Bureau of Reclamation. Sources of data are: (1) Hydrologic Bulletin, (2) Climatological Data, (3) WB Form 1017, triple-register sheet, (4) WB Form 1030, Monthly Climatological Summary, and (5) Tables of Excessive Precipitation from the Report of the Chief of the Weather Bureau.

All precipitation amounts presented in the tabulations are in inches.

The station names and locations shown on figures 1-6 are those listed in Climatological Data for December 1950. Some stations have operated under two or more names and/or at several local sites during the period of record. Any important change in location usually calls for a new station name so that records for the two sites are automatically tabulated separately.

The period of record, except at Weather Bureau first-order stations, is limited to the 11 years since the hydrologic network of weighing gages was inaugurated about 1940. In the case of Weather Bureau first-order stations, tipping-bucket gage records were surveyed for the entire period of record prior to 1951. For comparative purposes, two sets of maxima were obtained from these long re-

ords, one for the period 1940-1950 and the other for the period from the installation of the tipping-bucket gage through 1950. Records for stations in operation less than 5 years were not used unless the stations were active through 1950, in which case their maxima are listed to facilitate future surveys of subsequent data. If the period of record was not continuous and any single interruption was less than one year, the notation "break(s)" is inserted after the years denoting the period of record. Interruptions of one year or longer are shown by separate listing of the years, e.g., 1940-1942, 1943-1950, indicating that a break of 12 months or longer occurred in 1942-1943.

Many recording-gage stations are also equipped with nonrecording gages. Maxima from nonrecording gages were used whenever they exceeded those of the recording gages.

In many cases the maximum occurred on the last day of the month and the first day of the next month. Therefore in some instances the same maximum applies for each of the months involved.

The time intervals used in most of the survey and tabulations began on the hour. This practice yields lower values than would be obtained by allowing the interval to begin any time within an hour, but the extra work involved in obtaining the true values would greatly increase the cost of the project. It is possible that when the survey for the entire United States has been completed an attempt will be made to determine the relation between true maxima and those for the standard clock intervals over various regions of the country. A satisfactory correlation would provide a procedure for adjusting the tabulated amounts to values more nearly representing the true maxima. In instances where true maxima were available the amounts were published and designated as follows: (w) True maxima from Table of Excessive precipitation of the Report of the Chief of the Weather Bureau. (x) True maxima from WB 1030 or from Technical Paper 2, Maximum Recorded Point Rainfall in the United States.

Estimates of maximum amounts, indicated by the letter "E" in the tabulations, were required whenever the following conditions prevailed: Recording gages were not functioning because of

1. Yarnell, D. L., "Rainfall Intensity-Frequency Data," U. S. Department of Agriculture Miscellaneous Publication No. 204, August 1935.  
Shands, A. L. and D. Ammerman, "Maximum Recorded United States Point Rainfall," Weather Bureau Technical Paper No. 2, April 1947.

mechanical or electrical failure or because the precipitation was in the form of snow (tipping-bucket gages cannot measure snowfall rates). In such cases, the precipitation was assumed to have been evenly distributed throughout the period and estimates were obtained by prorating the accumulation. For example, in one case an amount of 5.00 inches was accumulated through a period of 54 hours. It developed that 24/54 of this amount, or 2.22 inches, was higher than any other amount for 24 hours, and this was used as the maximum.

Since this survey was confined to the period covered by recording gages, the 24-hour maximum amounts listed may be exceeded by 24-hour maxima published in reports<sup>2</sup> of other surveys supplementing the recording-gage data with antecedent nonrecording-gage records. Although it would have been an easy matter to use these

2. U. S. Weather Bureau, "Maximum 24-Hour Precipitation in the United States," Technical Paper No. 16, Washington, 1951.

higher maxima, it was believed preferable to list maxima for all durations for the same period of record.

Maximum monthly amounts determined from stations equipped with a recording gage are shown in table 1.

Maximum amounts determined from stations equipped with a recording gage are shown in table 2.

The monthly distribution of occurrences of the maximum amounts at the 85 stations with five years or more of record are shown in table 3.

A. E. Brown, Jr. and Edward E. Edstrom were the project leaders. Data were compiled by the Meteorological Aid Pool of the Hydrometeorological Section and checked by James L. Keister and James Villarejo. The manuscript was typed by Carole Bowie and Ruth A. Shipman.

Table 1. - Maximum monthly precipitation amounts for Illinois

| Duration (hours) | Amount | Location                       | Date     | Duration (hours) | Amount | Location                        | Date            |
|------------------|--------|--------------------------------|----------|------------------|--------|---------------------------------|-----------------|
| JANUARY          |        |                                |          | JULY             |        |                                 |                 |
| 1                | 1.52   | Prairie du Rocher              | 3/50     | 1                | 3.25   | Roseland Pump Station (Chicago) | 6/43            |
| 2                | 2.57   | Prairie du Rocher              | 3/50     | 2                | 4.67   | Skokie, N. Side                 | 6/43            |
| 3                | 3.22   | Prairie du Rocher              | 3/50     | 3                | 4.97   | Skokie, N. Side                 | 6/43            |
| 6                | 4.69   | Cairo WB City                  | 24/49    | 6                | 5.92   | Collinsville                    | 8-9/42          |
| 12               | 6.25   | Prairie du Rocher              | 3-4/50   | 12               | 7.43   | Quincy Dam                      | 20/49           |
| 24               | 7.74   | Prairie du Rocher              | 3-4/50   | 24               | 7.53   | Quincy Dam                      | 19-20/49        |
| FEBRUARY         |        |                                |          | AUGUST           |        |                                 |                 |
| 1                | .82x   | Cairo WB City                  | 14-15/49 | 1                | 3.21   | Oregon                          | 17/46           |
| 2                | 1.35   | Coulterville                   | 14/49    | 2                | 3.94   | Oregon                          | 17/46           |
| 3                | 1.68   | Cairo WB City                  | 23/09    | 3                | 4.47   | Prairie du Rocher               | 5/46            |
| 6                | 2.47   | Cairo WB City                  | 16/32    | 6                | 5.72   | Richview                        | 15/46           |
| 12               | 3.29   | Prairie du Rocher              | 12-13/50 | 12               | 8.35E  | Belleville, Scott AFB           | 15-16/46        |
| 24               | 4.30x  | Cairo WB City                  | 12/50    | 24               | 11.47  | Richview                        | 15-16/46        |
| MARCH            |        |                                |          | SEPTEMBER        |        |                                 |                 |
| 1                | 2.51   | Mayfair Pump Station (Chicago) | 19/48    | 1                | 3.10   | Lanark                          | 2/42            |
| 2                | 3.21x  | Cairo WB City                  | 13/38    | 2                | 3.89   | Lockport, Lock and Dam          | 7/42            |
| 3                | 3.82w  | Cairo WB City                  | 13/38    | 3                | 4.91   | Lockport, Lock and Dam          | 7/42            |
| 6                | 5.36   | Cairo WB City                  | 13-14/38 | 6                | 5.23   | Lockport, Lock and Dam          | 7/42            |
| 12               | 5.40x  | Cairo WB City                  | 13-14/38 | 12               | 6.56   | Glendale                        | 24-25/45        |
| 24               | 5.40x  | Cairo WB City                  | 13-14/38 | 24               | 6.56   | Glendale                        | 24-25/45        |
| APRIL            |        |                                |          | OCTOBER          |        |                                 |                 |
| 1                | 1.98   | Mt. Carmel                     | 22/44    | 1                | 2.21   | Kankakee                        | 26/47           |
| 2                | 2.88w  | Cairo WB City                  | 11/44    | 2                | 2.60   | Springfield                     | 21/45           |
| 3                | 3.25   | Lockport P. H.                 | 4-5/47   | 3                | 3.34   | Cairo WB City                   | 4/10            |
| 6                | 4.45   | Lockport P. H.                 | 4-5/47   | 6                | 4.01   | Cairo WB City                   | 4/10            |
| 12               | 5.11   | Lockport P. H.                 | 4-5/47   | 12               | 5.06   | Cairo WB City                   | 3-4/10          |
| 24               | 5.43   | Lockport P. H.                 | 4-5/47   | 24               | 5.69x  | Cairo WB City                   | 3-4/10          |
| MAY              |        |                                |          | NOVEMBER         |        |                                 |                 |
| 1                | 2.33   | Springfield WB AP              | 29/44    | 1                | 1.41x  | Cairo WB City                   | 18/21           |
| 2                | 2.83   | Morrisonville                  | 30/44    | 2                | 1.93x  | Cairo WB City                   | 18/21           |
| 3                | 3.48   | Peoria                         | 18/27    | 3                | 2.68   | Cairo WB City                   | 18/21           |
| 6                | 4.33   | Peoria                         | 18/27    | 6                | 3.45   | Cairo WB City                   | 18/21           |
| 12               | 5.53   | Cairo WB City                  | 24-25/46 | 12               | 4.07   | Cairo WB City                   | 17-18/21        |
| 24               | 5.53   | Cairo WB City                  | 24-25/46 | 24               | 5.06   | Carpenter                       | 10/31-11/1/46   |
| JUNE             |        |                                |          | DECEMBER         |        |                                 |                 |
| 1                | 3.17w  | Cairo WB City                  | 28/05    | 1                | .82x   | Cairo WB City                   | 28/16           |
| 2                | 3.68   | Galatia                        | 19/42    | 2                | 1.43   | Glendale                        | 12/31/46-1/1/47 |
| 3                | 4.32   | Greenfield                     | 25-26/42 | 3                | 1.65   | Glendale                        | 12/31/46-1/1/47 |
| 6                | 4.94   | Cairo WB City                  | 13/25    | 6                | 2.11   | Cairo WB City                   | 21/42           |
| 12               | 5.94x  | Springfield WB City            | 4-5/17   | 12               | 3.28   | Cairo WB City                   | 30/32           |
| 24               | 5.94x  | Springfield WB City            | 4-5/17   | 24               | 4.50x  | Cairo WB City                   | 29-30/32        |

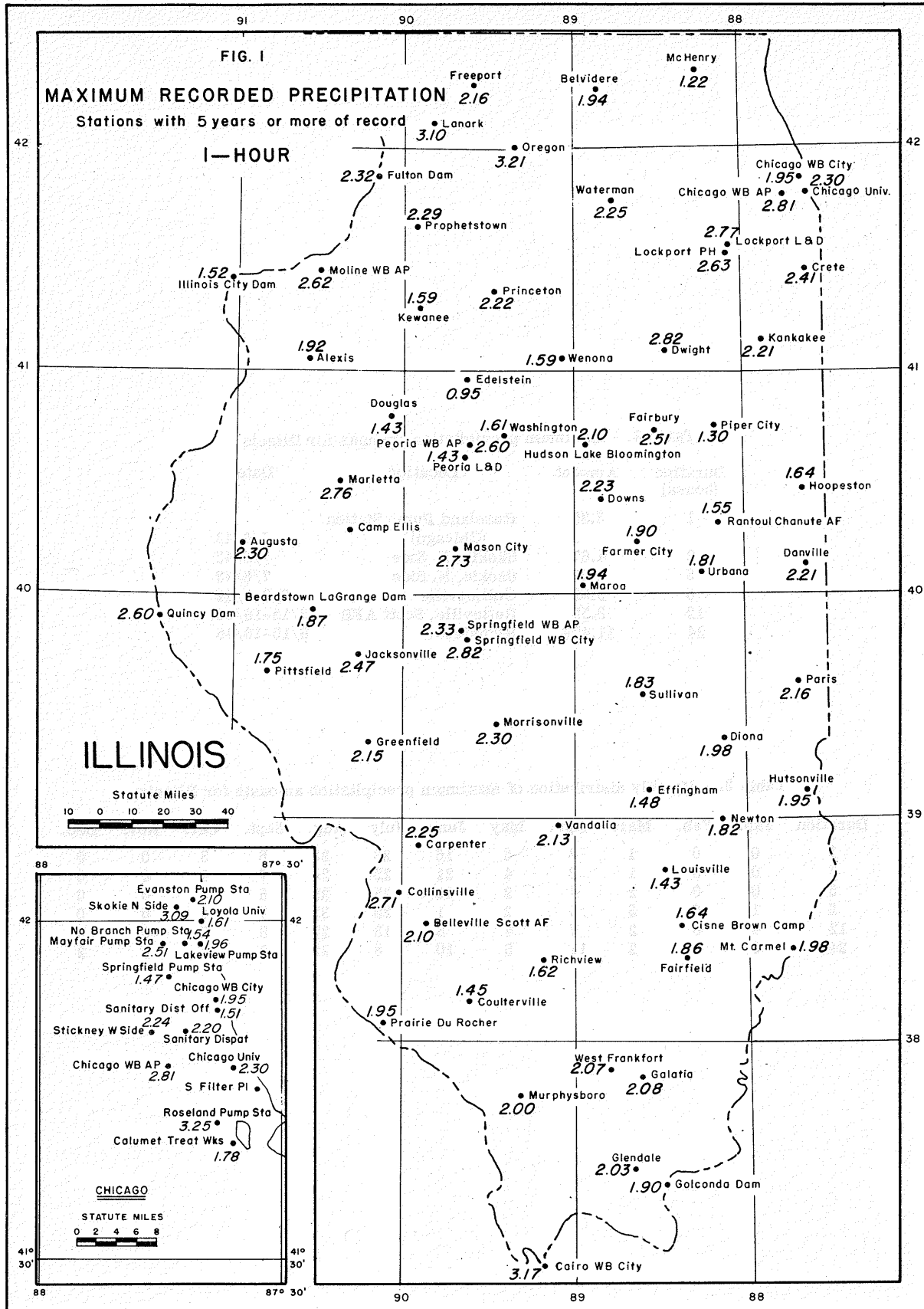


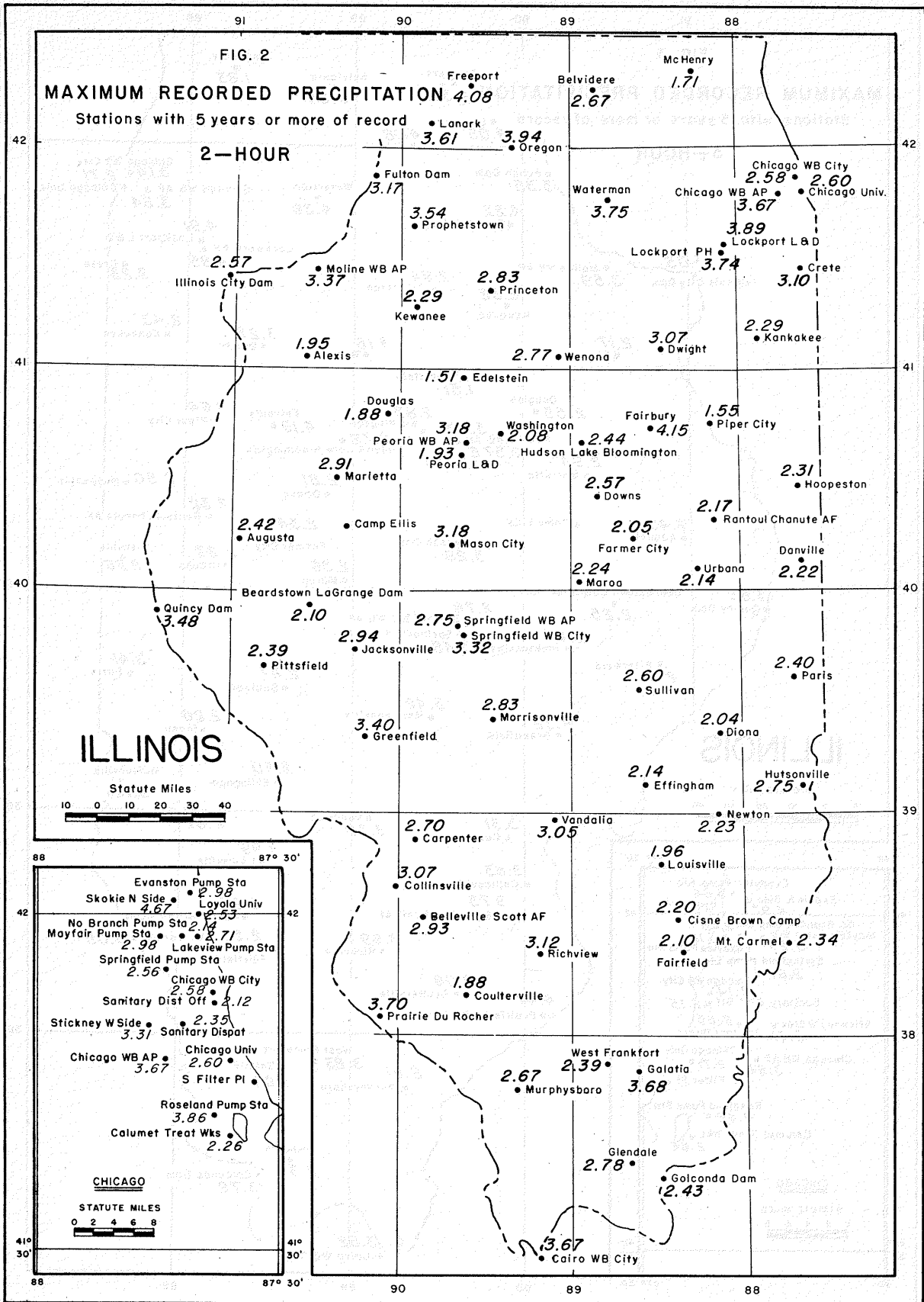
Table 2. - Maximum precipitation amounts for Illinois

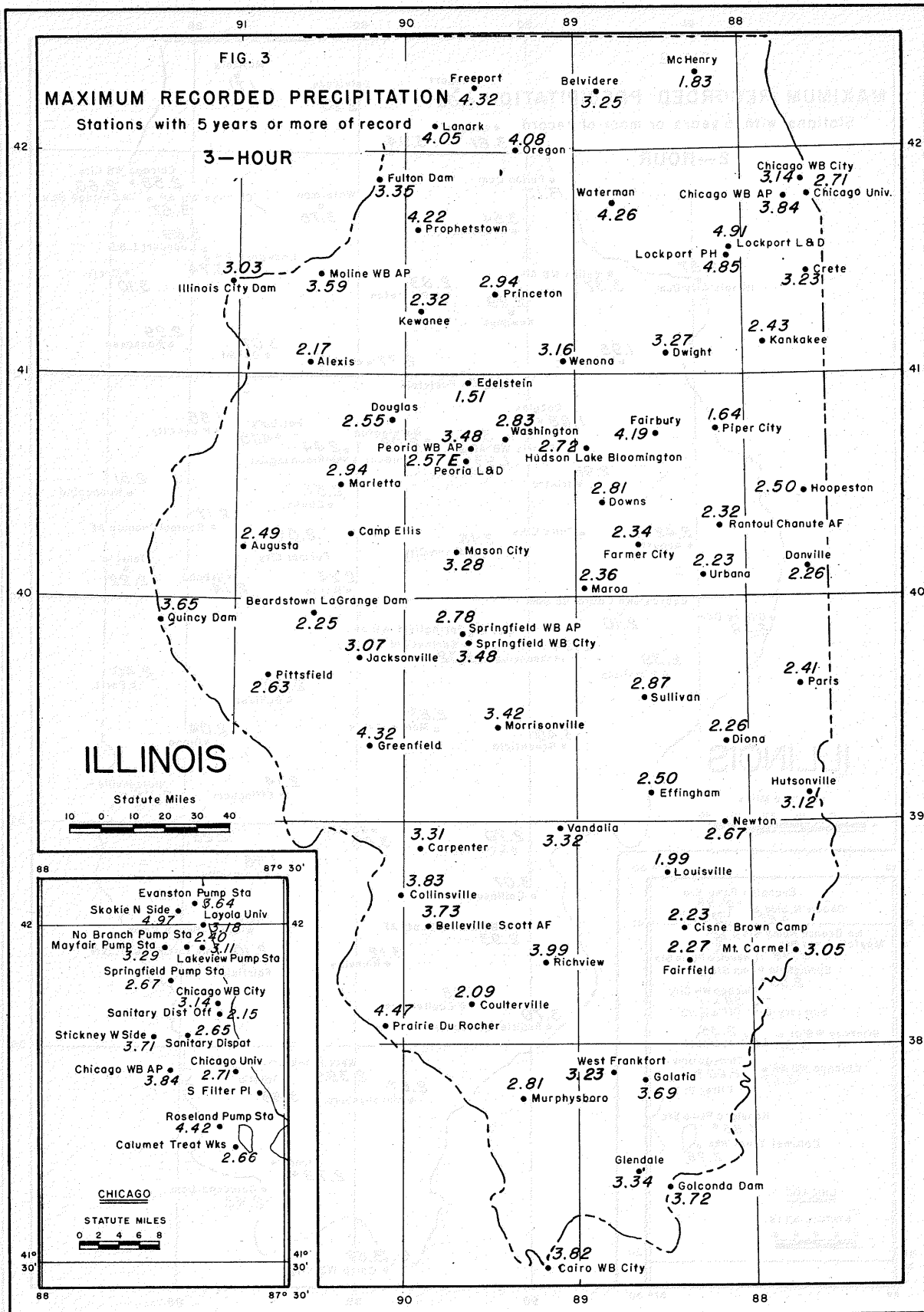
| Duration (hours) | Amount | Location                        | Date       |
|------------------|--------|---------------------------------|------------|
| 1                | 3.25   | Roseland Pump Station (Chicago) | 7/6/43     |
| 2                | 4.67   | Skokis, N. Side                 | 7/6/43     |
| 3                | 4.97   | Skokie, N. Side                 | 7/6/43     |
| 6                | 5.92   | Collinsville                    | 7/8-9/42   |
| 12               | 8.35   | Belleville, Scott AFB           | 8/15-16/46 |
| 24               | 11.47E | Richview                        | 8/15-16/46 |

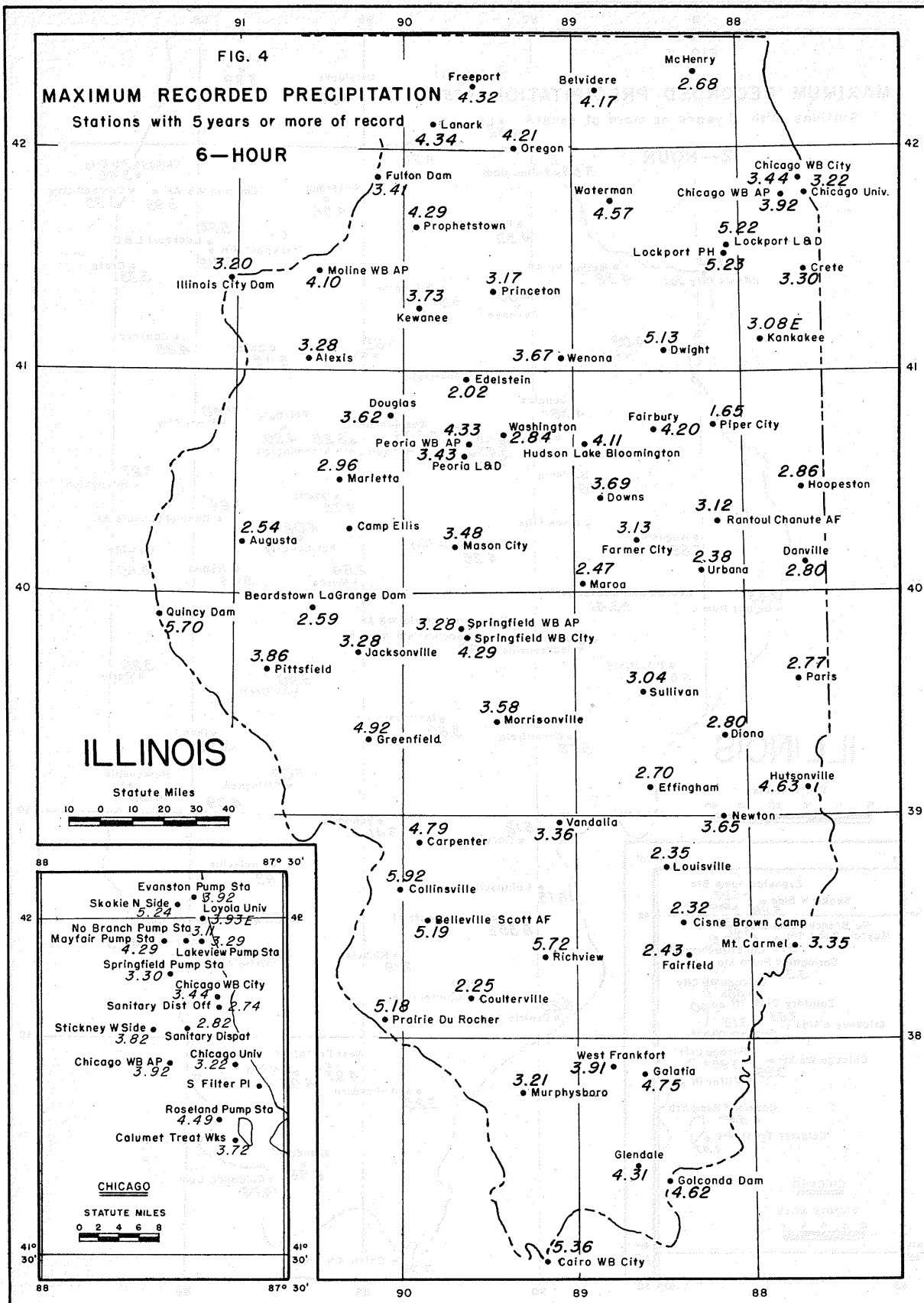
Table 3. - Monthly distribution of maximum precipitation amounts for Illinois

| Duration | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|----------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1        | 0    | 0    | 1    | 2    | 6   | 16   | 28   | 23   | 6     | 3    | 0    | 0    |
| 2        | 0    | 0    | 1    | 2    | 4   | 21   | 25   | 24   | 7     | 1    | 0    | 0    |
| 3        | 0    | 0    | 2    | 4    | 2   | 18   | 25   | 26   | 5     | 3    | 0    | 0    |
| 6        | 1    | 0    | 3    | 5    | 2   | 1    | 20   | 32   | 7     | 4    | 0    | 0    |
| 12       | 4    | 0    | 2    | 7    | 4   | 8    | 13   | 27   | 8     | 9    | 0    | 3    |
| 24       | 9    | 0    | 2    | 11   | 5   | 10   | 8    | 22   | 8     | 8    | 0    | 2    |

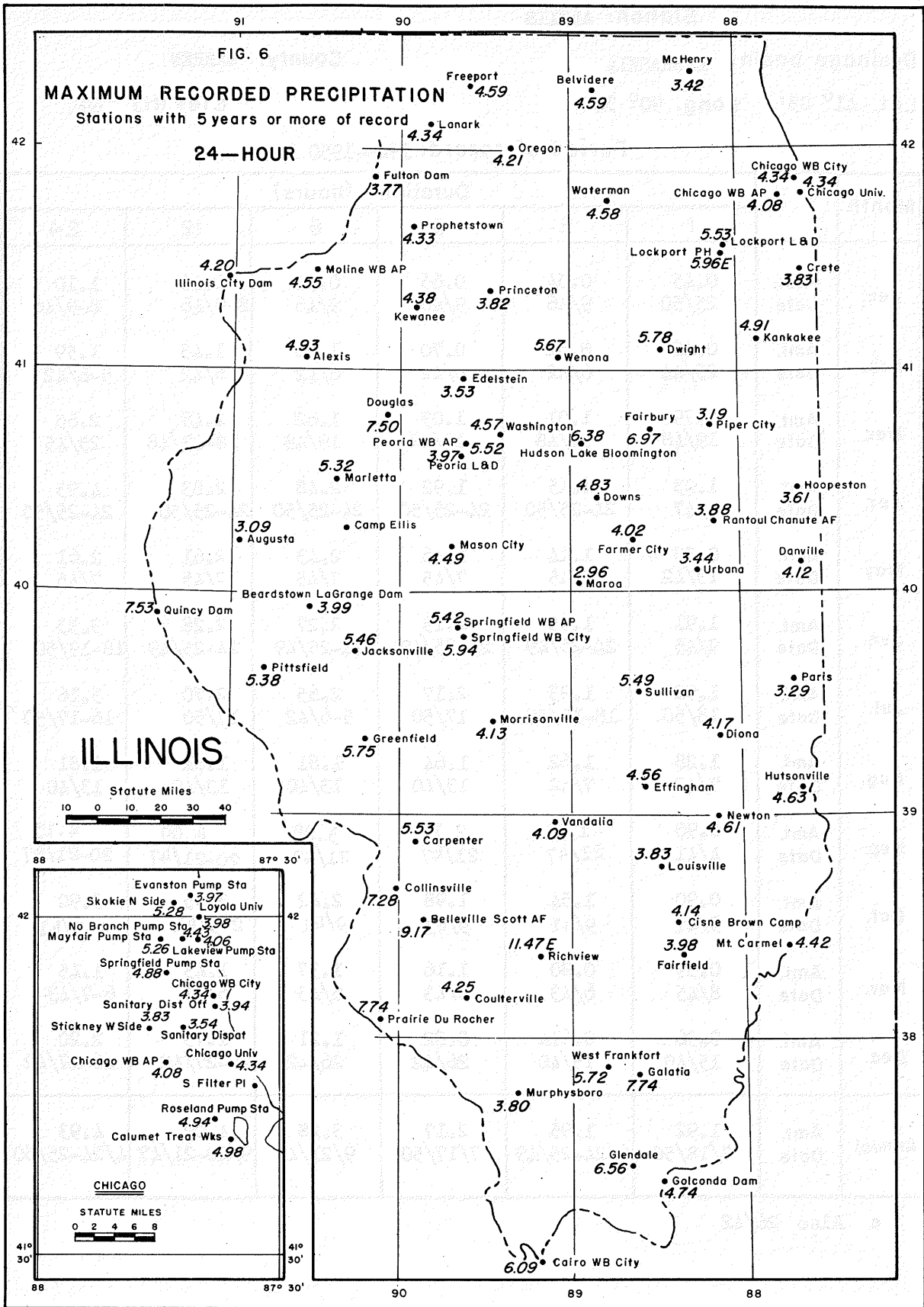












Station: ALEXIS

Drainage basin: KASKASKIA

County: WARREN

Lat. 41° 03' Long. 90° 34'

Elev.(ft.) 694

Period of record: 1940-1950

| Month  |              | Duration (hours) |                    |                  |                  |                    |                    |
|--------|--------------|------------------|--------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                  | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.45<br>25/50    | 0.54<br>9/46       | 0.65<br>9/46     | 0.90<br>9/46     | 1.10<br>8-9/46     | 1.10<br>8-9/46     |
| Feb.   | Amt.<br>Date | 0.40<br>25/44    | 0.52<br>6/42       | 0.70<br>6/42     | 1.00<br>6/42     | 1.43<br>6/42       | 1.59<br>5-6/42     |
| Mar.   | Amt.<br>Date | 0.79<br>19/48    | 1.01<br>19/48      | 1.03<br>19/48    | 1.62<br>19/48    | 2.48<br>18-19/48   | 2.65<br>25/45      |
| Apr.   | Amt.<br>Date | 1.03<br>4/47     | 1.45<br>24-25/50   | 1.92<br>24-25/50 | 2.48<br>24-25/50 | 2.83<br>24-25/50   | 4.93<br>24-25/50   |
| May    | Amt.<br>Date | 0.88<br>13/42    | 1.14<br>7/45       | 1.46<br>7/45     | 2.43<br>7/45     | 2.61<br>7/45       | 2.61<br>7/45       |
| Jun.   | Amt.<br>Date | 1.91<br>9/45     | 1.95<br>24-25/49   | 2.13<br>24-25/49 | 2.27<br>24-25/49 | 2.28<br>24-25/49   | 3.33<br>18-19/50   |
| Jul.   | Amt.<br>Date | 1.92<br>18/50    | 1.93<br>18-19/50   | 2.17<br>17/50    | 2.65<br>5-6/42   | 2.70<br>17/50      | 3.16<br>16-17/50   |
| Aug.   | Amt.<br>Date | 1.28<br>7/42     | 1.62<br>7/42       | 1.64<br>13/40    | 1.81<br>13/40    | 1.81<br>13/40      | 1.81<br>13/40      |
| Sep.   | Amt.<br>Date | 0.90<br>4/41     | 1.51<br>21/47      | 2.15<br>21/47    | 3.28<br>21/47    | 4.09<br>20-21/47   | 4.15<br>20-21/47   |
| Oct.   | Amt.<br>Date | 0.90<br>9/41     | 1.54<br>9/41       | 1.98<br>9/41     | 2.42<br>9/41     | 3.55<br>2-3/41     | 3.90<br>2-3/41     |
| Nov.   | Amt.<br>Date | 0.59<br>8/45     | 0.80<br>6/43       | 1.16<br>6/43     | 1.37<br>6/43     | 1.43<br>6/43       | 1.45<br>6-7/43     |
| Dec.   | Amt.<br>Date | 0.36<br>15/40    | 0.61a<br>15/40     | 0.82<br>26/42    | 1.21<br>26/42    | 1.75<br>26-27/42   | 2.20<br>26-27/42   |
| Annual | Amt.<br>Date | 1.92<br>7/18/50  | 1.95<br>6/24-25/49 | 2.17<br>7/17/50  | 3.28<br>9/21/47  | 4.09<br>9/20-21/47 | 4.93<br>4/24-25/50 |

a Also 26/42



U. S. WEATHER BUREAU

Station: AUGUSTA

Drainage basin: ILLINOIS

County: HANCOCK

Lat. 40° 14' Long. 90° 57'

Elev.(ft.) 680

Period of record: 1940-1950

| Month  |              | Duration (hours)          |                            |                  |                  |                    |                    |
|--------|--------------|---------------------------|----------------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                         | 2                          | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.46<br>29/47             | 0.85<br>29/47              | 0.92<br>29/47    | 0.98<br>29/47    | 1.15<br>23-24/50   | 1.40<br>31/47-1/48 |
| Feb.   | Amt.<br>Date | 0.26 <sup>a</sup><br>4/42 | 0.47<br>5/42               | 0.57<br>4/42     | 0.86<br>4/42     | 1.45<br>4/42       | 1.54<br>4/42       |
| Mar.   | Amt.<br>Date | 0.54<br>19/48             | 0.70 <sup>b</sup><br>14/44 | 0.97<br>14/44    | 1.51<br>14-15/44 | 2.08<br>14-15/44   | 2.55<br>19-20/45   |
| Apr.   | Amt.<br>Date | 0.72<br>21/44             | 1.10<br>21/44              | 1.14<br>21-22/44 | 1.34<br>6-7/48   | 1.91<br>10/44      | 2.19<br>10-11/44   |
| May    | Amt.<br>Date | 0.87<br>14/45             | 1.39<br>20/43              | 1.48<br>20/43    | 1.60<br>20/43    | 1.60<br>20/43      | 1.98<br>14-15/45   |
| Jun.   | Amt.<br>Date | 1.94<br>13/50             | 2.25<br>13/50              | 2.37<br>13/50    | 2.50<br>13-14/50 | 2.89<br>13-14/50   | 3.09<br>13-14/50   |
| Jul.   | Amt.<br>Date | 2.30<br>25/48             | 2.42<br>25/48              | 2.49<br>25/48    | 2.54<br>25/48    | 2.65<br>25/48      | 2.73<br>25-26/48   |
| Aug.   | Amt.<br>Date | 1.18<br>31/47             | 1.33<br>8/50               | 1.68<br>8/50     | 2.07<br>8/50     | 2.40<br>8/50       | 2.81<br>25-26/44   |
| Sep.   | Amt.<br>Date | 1.28<br>28/45             | 1.90<br>28/45              | 2.20<br>28/45    | 2.41<br>28/45    | 2.83<br>20-21/47   | 2.90<br>20-21/47   |
| Oct.   | Amt.<br>Date | 0.98<br>4.44              | 1.34<br>4/44               | 1.90<br>4/44     | 2.05<br>4-5/44   | 2.05<br>4-5/44     | 2.18<br>4-5/44     |
| Nov.   | Amt.<br>Date | 0.92<br>8/44              | 1.32<br>8/44               | 1.50<br>8/44     | 1.70<br>8-9/44   | 1.70<br>8-9/44     | 1.70<br>8-9/44     |
| Dec.   | Amt.<br>Date | 0.49<br>12/46             | 0.75<br>12/46              | 1.00<br>12/46    | 1.26<br>12/46    | 1.83<br>21/49      | 2.06<br>20-21/49   |
| Annual | Amt.<br>Date | 2.30<br>7/25/48           | 2.42<br>7/25/48            | 2.49<br>7/25/48  | 2.54<br>7/25/48  | 2.89<br>6/13-14/50 | 3.09<br>6/13-14/50 |

<sup>a</sup> Also 13/49

<sup>b</sup> Also 19/48

U. S. WEATHER BUREAU

Station: BEARDSTOWN-LA GRANGE DAM

Drainage basin: ILLINOIS

County: BROWN

Lat. 39° 56' Long. 90° 32'

Elev.(ft.) 434

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                    |                  |
|--------|--------------|------------------|-----------------|-----------------|------------------|--------------------|------------------|
|        |              | 1                | 2               | 3               | 6                | 12                 | 24               |
| Jan.   | Amt.<br>Date | 0.65<br>25/50    | 0.69<br>25/50   | 0.70<br>25/50   | 0.86<br>1/41     | 1.11<br>31/40-1/41 | 1.49<br>1/41     |
| Feb.   | Amt.<br>Date | 0.25<br>21/44    | 0.41<br>21/44   | 0.46<br>21/44   | 0.56E<br>4/42    | 0.99E<br>4/42      | 1.85E<br>4-5/42  |
| Mar.   | Amt.<br>Date | 0.66<br>16/42    | 1.01<br>16/42   | 1.10<br>16/42   | 1.12<br>16/42    | 1.69<br>14-15/44   | 1.99<br>20-21/45 |
| Apr.   | Amt.<br>Date | 1.02<br>8/46     | 1.39<br>8/46    | 1.40<br>8/46    | 2.12<br>10/44    | 2.69<br>10/44      | 3.11<br>10-11/44 |
| May    | Amt.<br>Date | 0.61<br>1/48     | 0.97<br>7/43    | 1.21<br>7/43    | 1.82<br>7-8/43   | 2.00<br>7-8/43     | 2.29<br>17-18/43 |
| Jun.   | Amt.<br>Date | 1.78<br>24/43    | 2.00<br>24/43   | 2.05<br>24/43   | 2.28<br>29/43    | 2.28<br>29/43      | 2.63<br>17-18/46 |
| Jul.   | Amt.<br>Date | 1.87<br>8/42     | 2.10<br>25/48   | 2.25<br>25/48   | 2.30<br>25/48    | 2.30<br>25/48      | 2.30<br>25/48    |
| Aug.   | Amt.<br>Date | 0.96<br>30/50    | 1.21<br>19/49   | 1.26<br>19/49   | 1.96<br>30/50    | 2.00<br>30/50      | 2.17<br>25-26/44 |
| Sep.   | Amt.<br>Date | 1.44<br>2/41     | 1.49<br>2/41    | 1.65<br>11/50   | 2.29<br>11/50    | 2.30<br>11/50      | 3.02<br>13-14/45 |
| Oct.   | Amt.<br>Date | 0.92<br>4/41     | 1.30<br>17/46   | 1.76<br>17/46   | 2.59<br>17/46    | 3.41<br>17/46      | 3.99<br>17/46    |
| Nov.   | Amt.<br>Date | 0.65<br>3/46     | 1.21<br>3/46    | 1.63<br>3/46    | 1.84<br>2-3/46   | 2.74<br>2-3/46     | 2.47<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.72<br>20/49    | 1.07<br>20/49   | 1.30<br>20/49   | 1.45<br>20/49    | 2.39<br>26-27/42   | 3.89<br>20-21/49 |
| Annual | Amt.<br>Date | 1.87<br>7/8/42   | 2.10<br>7/25/48 | 2.25<br>7/25/48 | 2.59<br>10/17/46 | 3.41<br>10/17/46   | 3.99<br>10/17/46 |

U. S. WEATHER BUREAU

Station: BELLEVILLE, SCOTT AFB

Drainage basin: KASKASKIA

County: ST. CLAIR

Lat. 38° 32' Long. 89° 51'

Elev.(ft.) 444

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                    |                    |                     |                    |
|--------|--------------|------------------|------------------|--------------------|--------------------|---------------------|--------------------|
|        |              | 1                | 2                | 3                  | 6                  | 12                  | 24                 |
| Jan.   | Amt.<br>Date | 0.66<br>29/47    | 0.96<br>29/47    | 1.11<br>29/47      | 1.38<br>18/49      | 1.92<br>18/49       | 2.41<br>31/47-1/48 |
| Feb.   | Amt.<br>Date | 0.67<br>14/49    | 0.95<br>14/49    | 1.18<br>14/49      | 1.54<br>14/49      | 1.71<br>14/49       | 2.05<br>12-13/46   |
| Mar.   | Amt.<br>Date | 0.97<br>29/45    | 1.07<br>26/48    | 1.17<br>26/48      | 1.29<br>25/45      | 1.82<br>25/45       | 2.36<br>25/45      |
| Apr.   | Amt.<br>Date | 0.81<br>12/45    | 1.01<br>12-13/45 | 1.20<br>12-13/45   | 1.65E<br>30/46     | 2.18E<br>30/46      | 3.25E<br>30-1/46   |
| May    | Amt.<br>Date | 1.12<br>1/44     | 1.39<br>1/44     | 1.56<br>1/44       | 1.87<br>20/47      | 2.28<br>20-21/47    | 3.25E<br>30-1/46   |
| Jun.   | Amt.<br>Date | 2.00<br>27/43    | 2.00<br>27/43    | 2.00<br>27/43      | 2.22<br>27/43      | 2.47<br>27/43       | 2.57<br>25-26/42   |
| Jul.   | Amt.<br>Date | 1.63<br>20/48    | 2.51<br>25/48    | 2.82<br>25/48      | 4.47<br>8-9/42     | 4.85<br>8-9/42      | 4.93<br>8-9/42     |
| Aug.   | Amt.<br>Date | 2.10<br>15/46    | 2.93<br>15/46    | 3.73<br>14-15/46   | 5.19<br>15-16/46   | 8.35E<br>15-16/46   | 9.17<br>15-16/46   |
| Sep.   | Amt.<br>Date | 1.15<br>1/41     | 2.09<br>1/41     | 2.64<br>1/41       | 2.83<br>1/41       | 2.85<br>1/41        | 2.85<br>1/41       |
| Oct.   | Amt.<br>Date | 1.23<br>11/49    | 1.26<br>21/45    | 1.56<br>30/42      | 2.28<br>29-30/42   | 2.78<br>29-30/42    | 2.81<br>29-30/42   |
| Nov.   | Amt.<br>Date | 0.60<br>17/42    | 1.00<br>9/46     | 1.23<br>7/50       | 1.37<br>9/46       | 2.44<br>7/50        | 2.45<br>7/50       |
| Dec.   | Amt.<br>Date | 0.73<br>27/42    | 1.01<br>27/42    | 1.23<br>27/42      | 1.82<br>27/42      | 2.12<br>26-27/42    | 2.52<br>20-21/49   |
| Annual | Amt.<br>Date | 2.10<br>8/15/46  | 2.93<br>8/15/46  | 3.73<br>8/14-15/46 | 5.19<br>8/15-16/46 | 8.35E<br>8/15-16/46 | 9.17<br>8/15-16/46 |

U. S. WEATHER BUREAU

Station: BELVIDERE

Drainage basin: ROCK

County: BOONE

Lat. 42° 16' Long. 88° 52'

Elev.(ft.) 778

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                  |                  |                  |
|--------|--------------|------------------|------------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2                | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.30<br>29/47    | 0.49<br>29/47    | 0.67<br>29/47    | 0.94<br>29/47    | 1.70<br>29/47    | 1.86<br>29-30/47 |
| Feb.   | Amt.<br>Date | 0.23<br>27/48    | 0.44<br>27/48    | 0.59<br>27/48    | 0.92<br>27/48    | 1.18<br>27/48    | 1.41<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.38<br>19/48    | 0.58<br>19/48    | 0.73<br>19/48    | 1.10<br>19/48    | 2.05<br>18-19/48 | 2.07<br>18-19/48 |
| Apr.   | Amt.<br>Date | 0.55<br>23/50    | 0.85<br>23/50    | 1.00<br>23/50    | 1.33<br>23-24/50 | 1.57<br>23-24/50 | 1.73<br>23-24/50 |
| May    | Amt.<br>Date | 0.98<br>30/41    | 1.39<br>30/41    | 1.45<br>30/41    | 1.46<br>30-31/41 | 1.58<br>10/48    | 1.81<br>9-10/48  |
| Jun.   | Amt.<br>Date | 1.37<br>18/40    | 2.67<br>18/40    | 2.68<br>18/40    | 3.16<br>18/40    | 4.29<br>18/40    | 4.29<br>18/40    |
| Jul.   | Amt.<br>Date | 1.66<br>14/47    | 2.27<br>16/43    | 2.36<br>6/43     | 2.39<br>6/43     | 2.67<br>16/43    | 2.98<br>5-6/43   |
| Aug.   | Amt.<br>Date | 1.44<br>2/42     | 2.37<br>2/42     | 3.25<br>2/42     | 4.17<br>2/42     | 4.23<br>2/42     | 4.59<br>1-2/42   |
| Sep.   | Amt.<br>Date | 1.94<br>18/50    | 2.13<br>18-19/50 | 2.31<br>18-19/50 | 2.52<br>21/47    | 3.30<br>21/47    | 4.04<br>7-8/41   |
| Oct.   | Amt.<br>Date | 0.66<br>13/43    | 0.99<br>13/43    | 1.12<br>13/43    | 1.44<br>13/43    | 1.89E<br>30-1/45 | 3.78<br>30-1/45  |
| Nov.   | Amt.<br>Date | 0.64<br>6/43     | 1.18<br>6/43     | 1.45<br>6/43     | 1.84<br>6/43     | 1.94<br>6-7/43   | 2.02<br>6-7/43   |
| Dec.   | Amt.<br>Date | 0.51<br>26/42    | 0.61<br>26/42    | 0.85<br>26/42    | 1.16<br>26/42    | 1.48<br>26-27/42 | 1.97<br>26-27/42 |
| Annual | Amt.<br>Date | 1.94<br>9/18/50  | 2.67<br>6/18/40  | 3.25<br>8/2/42   | 4.17<br>8/2/42   | 4.29<br>6/18/40  | 4.59<br>8/1-2/42 |

Station: CAIRO WB CITY \*

Drainage basin: MISSISSIPPI

County: ALEXANDER

Lat. 37° 00' Long. 89° 10'

Elev.(ft.) 314

Period of record: 1940-1950

| Month  |              | Duration (hours)  |                     |                    |                             |                  |                     |
|--------|--------------|-------------------|---------------------|--------------------|-----------------------------|------------------|---------------------|
|        |              | 1                 | 2                   | 3                  | 6                           | 12               | 24                  |
| Jan.   | Amt.<br>Date | 1.19x<br>24/49    | 2.12x<br>24/49      | 3.21w<br>24/49     | 4.69<br>24/49               | 5.59<br>24/49    | 6.09x<br>23-24/49   |
| Feb.   | Amt.<br>Date | 0.82x<br>14-15/49 | 0.93<br>12/50       | 1.33<br>12/50      | 2.13<br>12/50               | 3.02<br>13-14/49 | 4.75<br>12/50       |
| Mar.   | Amt.<br>Date | 1.38<br>26/49     | 1.78<br>26/49       | 2.03<br>26/49      | 2.27<br>26-27/50            | 2.94<br>26-27/50 | 3.37<br>25-26/49    |
| Apr.   | Amt.<br>Date | 1.91w<br>11/44    | 2.88w<br>11/44      | 3.00w<br>11/44     | 3.02<br>10-11/44            | 3.03<br>10-11/44 | 3.79x<br>10-11/44   |
| May    | Amt.<br>Date | 1.33<br>29/45     | 2.26w<br>7/45       | 2.34<br>7/45       | 2.89<br>24/46               | 4.90<br>24/46    | 5.53<br>24-25/46    |
| Jun.   | Amt.<br>Date | 1.54<br>30/46     | 1.64<br>10/50       | 1.67<br>10/50      | 1.89<br>11/45               | 1.97<br>11/45    | 2.04<br>15-16/45    |
| Jul.   | Amt.<br>Date | 0.96<br>22/48     | 1.10<br>4/41        | 1.16<br>4/41       | 1.29 <sup>a</sup><br>3-4/41 | 2.17<br>3-4/41   | 2.25<br>3-4/41      |
| Aug.   | Amt.<br>Date | 1.20<br>5/46      | 1.36<br>23/42       | 1.96<br>23/42      | 3.04<br>22-23/42            | 3.20<br>22-23/42 | 3.20<br>22-23/42    |
| Sep.   | Amt.<br>Date | 0.65<br>5/48      | 1.11<br>5/48        | 1.41<br>13/43      | 2.14<br>24-25/45            | 3.17<br>24-25/45 | 3.19<br>24-25/45    |
| Oct.   | Amt.<br>Date | 1.73x<br>4/41     | 1.94<br>4/41        | 1.97<br>4/41       | 1.98<br>4/41                | 2.23<br>3-4/41   | 2.94<br>4-5/49      |
| Nov.   | Amt.<br>Date | 1.20<br>5/48      | 1.44<br>5/48        | 2.08<br>4-5/48     | 2.25<br>4-5/48              | 2.39<br>19-20/50 | 2.39<br>19-20/50    |
| Dec.   | Amt.<br>Date | 0.82x<br>28/46    | 1.19x<br>31/47-1/48 | 1.46<br>31/47-1/48 | 1.69<br>31/47-1/48          | 2.05<br>22/41    | 2.49<br>31/47-1/48  |
| Annual | Amt.<br>Date | 1.91w<br>4/11/44  | 2.88w<br>4/11/44    | 3.00w<br>4/11/44   | 4.69<br>1/24/49             | 5.59<br>1/24/49  | 6.09x<br>1/23-24/49 |

\*Given for comparative purposes. See next page for complete record.

<sup>a</sup> Also 4/50

Station: CAIRO WB CITY

Drainage basin: MISSISSIPPI

County: ALEXANDER

Lat. 37° 00' Long. 89° 10'

Elev.(ft.) 314

Period of record: 1897-1950

| Month  |              | Duration (hours)  |                     |                               |                    |                   |                     |
|--------|--------------|-------------------|---------------------|-------------------------------|--------------------|-------------------|---------------------|
|        |              | 1                 | 2                   | 3                             | 6                  | 12                | 24                  |
| Jan.   | Amt.<br>Date | 1.19x<br>24/49    | 2.12x<br>24/49      | 3.21w<br>24/49                | 4.69<br>24/49      | 5.59<br>24/49     | 6.09x<br>23-24/49   |
| Feb.   | Amt.<br>Date | 0.82x<br>14-15/49 | 1.25x<br>23/09      | 1.68<br>23/09                 | 2.47<br>16/32      | 3.02<br>13-14/49  | 4.75<br>12/50       |
| Mar.   | Amt.<br>Date | 2.00x<br>13/38    | 3.21x<br>13/38      | 3.82w<br>13/38                | 5.36<br>13-14/38   | 5.40x<br>13-14/38 | 5.40x<br>13-14/38   |
| Apr.   | Amt.<br>Date | 1.91w<br>11/44    | 2.88w<br>11/44      | 3.00w<br>11/44                | 3.02<br>10-11/44   | 3.60<br>1/17      | 3.79x<br>10-11/44   |
| May    | Amt.<br>Date | 1.78w<br>25/39    | 2.26w<br>7/45       | 2.34<br>7/45                  | 2.89<br>24/46      | 4.90<br>24/46     | 5.53<br>24-25/46    |
| Jun.   | Amt.<br>Date | 3.17w<br>28/05    | 3.67<br>28/05       | 3.82<br>28/05                 | 4.94<br>13/25      | 5.07<br>13/25     | 5.07<br>13/25       |
| Jul.   | Amt.<br>Date | 2.42x<br>30/13    | 2.56x<br>30/13      | 2.56<br>30/13                 | 2.97<br>30/01      | 3.32<br>30/01     | 4.56x<br>30-31/38   |
| Aug.   | Amt.<br>Date | 2.75x<br>12/35    | 3.64x<br>12/35      | 3.68<br>12/35                 | 3.77<br>12-13/35   | 3.77<br>12-13/35  | 5.63<br>16-17/26    |
| Sep.   | Amt.<br>Date | 2.09x<br>29/27    | 3.33x<br>29/27      | 3.42<br>29/27                 | 3.46<br>29/27      | 3.66<br>29-30/27  | 4.49x<br>29-30/27   |
| Oct.   | Amt.<br>Date | 1.73x<br>4/41     | 2.38x<br>4/10       | 3.34w<br>4/10                 | 4.01<br>4/10       | 5.06<br>3-4/10    | 5.69x<br>304/10     |
| Nov.   | Amt.<br>Date | 1.41x<br>18/21    | 1.93x<br>18/21      | 2.68<br>18/21                 | 3.45<br>18/21      | 4.07<br>17-18/21  | 5.00x<br>21-22/34   |
| Dec.   | Amt.<br>Date | 0.82x<br>28/46    | 1.19x<br>31/47-1/48 | 1.46<br>31/47-1/48            | 2.11<br>13/01      | 3.28<br>30/32     | 4.50x<br>29-30/32   |
| Annual | Amt.<br>Date | 3.17w<br>6/28/05  | 3.67<br>6/28/05     | 3.82w <sup>a</sup><br>3/13/38 | 5.36<br>3/13-14/38 | 5.59<br>1/24/49   | 6.09x<br>1/23-24/49 |

<sup>a</sup> Also 6/28/05

Station: CAMP ELLIS

Drainage basin: ILLINOIS

County: FULTON

Lat. 40° 23' Long. 90° 20'

Elev.(ft.) 640

Period of record: 1948-1950 (BREAKS)

| Month  |              | Duration (hours) |                 |                  |                   |                   |                     |
|--------|--------------|------------------|-----------------|------------------|-------------------|-------------------|---------------------|
|        |              | 1                | 2               | 3                | 6                 | 12                | 24                  |
| Jan.   | Amt.<br>Date | 0.34<br>25/50    | 0.45<br>24/50   | 0.55<br>23-24/50 | 0.81<br>23-24/50  | 1.25<br>12-13/50  | 1.39<br>12-13/50    |
| Feb.   | Amt.<br>Date | 0.18<br>13/49    | 0.35<br>13/49   | 0.89<br>12-13/49 | 0.54<br>12-13/49  | 0.57<br>12-13/50  | 0.58<br>12-13/50    |
| Mar.   | Amt.<br>Date | 0.47<br>26/49    | 0.71<br>26/49   | 0.76<br>21/49    | 1.15<br>21/49     | 1.27<br>21-22/49  | 1.29<br>21-22/49    |
| Apr.   | Amt.<br>Date | 0.23<br>14/49    | 0.38<br>14/49   | 0.45<br>14/49    | 0.58<br>14/49     | 0.70<br>14/49     | 0.74<br>14-15/49    |
| May    | Amt.<br>Date | 0.20<br>12/49    | 0.26<br>12/49   | 0.42<br>25/49    | 0.43<br>25/49     | 0.43<br>25/49     | 0.43<br>25/49       |
| Jun.   | Amt.<br>Date | 1.19<br>25/49    | 1.23<br>25/49   | 1.30<br>25/49    | 1.35<br>25/49     | 1.36<br>25-26/49  | 1.63<br>25-26/49    |
| Jul.   | Amt.<br>Date | 1.20<br>25/48    | 1.48<br>25/48   | 1.54<br>25/48    | 1.60<br>25/48     | 1.67<br>25/48     | 1.71<br>25-26/48    |
| Aug.   | Amt.<br>Date | 1.45<br>17/48    | 1.60<br>17/48   | 1.60<br>17/48    | 1.60<br>17/48     | 1.60<br>17/48     | 1.91<br>17-18/48    |
| Sep.   | Amt.<br>Date | 0.79<br>20/48    | 0.85<br>20/48   | 0.86<br>20/48    | 1.35<br>20-21/48  | 1.42<br>20-21/48  | 1.42<br>20-21/48    |
| Oct.   | Amt.<br>Date | 0.37<br>6/49     | 0.69<br>6/49    | 0.98<br>5-6/49   | 1.61<br>5-6/49    | 1.85<br>5-6/49    | 1.90<br>5-6/49      |
| Nov.   | Amt.<br>Date | 0.13<br>12/49    | 0.18<br>12/49   | 0.23<br>12/49    | 0.28<br>12/49     | 0.40<br>9/48      | 0.42<br>9/48        |
| Dec.   | Amt.<br>Date | 0.35<br>20/49    | 0.55<br>21/49   | 0.80<br>21/49    | 1.37<br>21/49     | 1.47<br>21/49     | 2.40<br>20-21/49    |
| Annual | Amt.<br>Date | 1.45<br>8/17/48  | 1.60<br>8/17/48 | 1.60<br>8/17/48  | 1.61<br>10/5-6/49 | 1.85<br>10/5-6/49 | 2.40<br>12/20-21/49 |

U. S. WEATHER BUREAU

Station: CARPENTER

Drainage basin: MISSISSIPPI

County: MADISON

Lat. 38° 53' Long. 89° 54'

Elev.(ft.) 520

Period of record: 1940-1950

| Month  |              | Duration (hours)           |                |                  |                    |                    |                  |
|--------|--------------|----------------------------|----------------|------------------|--------------------|--------------------|------------------|
|        |              | 1                          | 2              | 3                | 6                  | 12                 | 24               |
| Jan.   | Amt.<br>Date | 0.61<br>3/50               | 1.21<br>3/50   | 1.39<br>3/50     | 1.67<br>3/50       | 2.75<br>3/50       | 4.56<br>3-4/50   |
| Feb.   | Amt.<br>Date | 0.36 <sup>a</sup><br>21/44 | 0.61<br>14/49  | 0.83<br>14/49    | 1.31<br>14/49      | 1.61<br>14/49      | 2.00<br>14/49    |
| Mar.   | Amt.<br>Date | 0.82<br>29/45              | 1.07<br>29/45  | 1.28<br>29/45    | 1.49<br>29/45      | 1.56<br>5-6/46     | 1.72<br>25/45    |
| Apr.   | Amt.<br>Date | 1.10<br>22/44              | 1.30<br>29/47  | 1.67<br>22/44    | 2.96<br>22/44      | 4.11<br>22/44      | 5.71<br>22-23/44 |
| May    | Amt.<br>Date | 1.17<br>9/49               | 1.70<br>21/49  | 1.83<br>21/49    | 2.19<br>9/49       | 2.78<br>17/43      | 4.35<br>17-18/43 |
| Jun.   | Amt.<br>Date | 1.63<br>21/42              | 2.02<br>16/45  | 2.15<br>16/45    | 2.35<br>26-27/49   | 2.38<br>26-27/49   | 2.72<br>16-17/45 |
| Jul.   | Amt.<br>Date | 2.25<br>8/42               | 2.70<br>8/42   | 3.31<br>8/42     | 3.80<br>8-9/42     | 4.03<br>8-9/42     | 4.56<br>8-9/42   |
| Aug.   | Amt.<br>Date | 1.74<br>4/40               | 2.47<br>4/40   | 3.18<br>14-15/46 | 4.79<br>14-15/46   | 5.12<br>14-15/46   | 5.53<br>15/46    |
| Sep.   | Amt.<br>Date | 0.82<br>8/48               | 1.30<br>2/41   | 1.40<br>12/49    | 1.80<br>2/41       | 2.48<br>13/45      | 3.40<br>12-13/45 |
| Oct.   | Amt.<br>Date | 0.65<br>5/49               | 1.21<br>5/49   | 1.47<br>5/49     | 2.74<br>31-1/46    | 3.62<br>31-1/46    | 5.06<br>31-1/46  |
| Nov.   | Amt.<br>Date | 0.78<br>17/42              | 1.08<br>1/46   | 1.55<br>1/46     | 2.74<br>31-1/46    | 3.62<br>31-1/46    | 5.06<br>31-1/46  |
| Dec.   | Amt.<br>Date | 0.51<br>27/42              | 0.82<br>27/42  | 1.14<br>27/42    | 1.86<br>27/42      | 2.37<br>26-27/42   | 2.50<br>26-27/42 |
| Annual | Amt.<br>Date | 2.25<br>7/8/42             | 2.70<br>7/8/42 | 3.31<br>7/8/42   | 4.79<br>8/14-15/46 | 5.12<br>8/14-15/46 | 5.53<br>8/15/46  |

<sup>a</sup> Also 13/46



U. S. WEATHER BUREAU

Station: (CHICAGO) CALUMET TREAT WKS

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 40' Long. 87° 36'

Elev.(ft) 593

Period of record: 1941-1950

| Month  |              | Duration (hours) |                |                           |                |                  |                  |
|--------|--------------|------------------|----------------|---------------------------|----------------|------------------|------------------|
|        |              | 1                | 2              | 3                         | 6              | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.28<br>3/50     | 0.41<br>3/50   | 0.52<br>13/50             | 0.85<br>13/50  | 1.17<br>13/50    | 1.21<br>12-13/50 |
| Feb.   | Amt.<br>Date | 0.30<br>6/42     | 0.58<br>6/42   | 0.79 <sup>a</sup><br>6/42 | 1.52<br>6/42   | 2.22<br>6/42     | 2.26<br>6/42     |
| Mar.   | Amt.<br>Date | 0.75<br>16/42    | 0.78<br>19/48  | 0.92<br>19/48             | 1.69<br>19/48  | 2.14<br>19/48    | 2.27<br>19/48    |
| Apr.   | Amt.<br>Date | 1.21<br>5/47     | 1.86<br>5/47   | 2.51<br>5/47              | 3.72<br>5/47   | 4.47<br>4-5/47   | 4.98<br>4-5/47   |
| May    | Amt.<br>Date | 0.77<br>15/49    | 1.27<br>19/49  | 1.51<br>19/49             | 1.81<br>19/49  | 1.88<br>19/49    | 2.27<br>10-11/43 |
| Jun.   | Amt.<br>Date | 1.45<br>12/46    | 2.04<br>12/46  | 2.26<br>12/46             | 2.39<br>12/46  | 2.49<br>12/46    | 2.91<br>2/50     |
| Jul.   | Amt.<br>Date | 1.78<br>6/43     | 2.26<br>6/43   | 2.66<br>6/43              | 2.71<br>6/43   | 2.83<br>6/43     | 2.83<br>6/43     |
| Aug.   | Amt.<br>Date | 0.80<br>9/46     | 1.21<br>17/46  | 1.27<br>17/46             | 1.48<br>13/43  | 1.53<br>13/43    | 1.53<br>13/43    |
| Sep.   | Amt.<br>Date | 0.75<br>24/45    | 1.24<br>24/45  | 1.44<br>24/45             | 1.55<br>24/45  | 2.02<br>24/45    | 2.03<br>24/45    |
| Oct.   | Amt.<br>Date | 1.14<br>6/41     | 1.55<br>6/41   | 1.56<br>6/41              | 1.71<br>6/41   | 2.92<br>6/41     | 3.14<br>6-7/41   |
| Nov.   | Amt.<br>Date | 0.51<br>12/45    | 0.60<br>12/45  | 0.69<br>22/42             | 0.85<br>22/42  | 0.99<br>10-11/47 | 1.09<br>6-7/41   |
| Dec.   | Amt.<br>Date | 0.46<br>21/49    | 0.83<br>21/49  | 1.15<br>21/49             | 1.68<br>21/49  | 2.42<br>21/49    | 3.12<br>20-21/49 |
| Annual | Amt.<br>Date | 1.78<br>7/6/43   | 2.26<br>7/6/43 | 2.66<br>7/6/43            | 3.72<br>4/5/47 | 4.47<br>4/4-5/47 | 4.98<br>4/4-5/49 |

<sup>a</sup> Also 13/49

U.S. WEATHER BUREAU

Station: (CHICAGO) LAKEVIEW PUMP STA.

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 58' Long. 87° 40'

Elev.(ft.) 651

Period of record: 1941-1950

| Month  |              | Duration (hours) |                  |                  |                  |                  |                    |
|--------|--------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.38<br>25/50    | 0.49<br>13/50    | 0.65<br>13/50    | 0.91<br>13/50    | 1.22<br>13/50    | 1.22<br>13/50      |
| Feb.   | Amt.<br>Date | 0.29<br>12/49    | 0.51<br>13/49    | 0.75<br>12-13/49 | 1.21<br>12-13/49 | 1.33<br>12-13/49 | 1.53<br>12-13/49   |
| Mar.   | Amt.<br>Date | 1.05<br>19/48    | 1.50<br>19/48    | 1.78<br>19/48    | 2.51<br>19/48    | 3.15<br>19/48    | 3.37<br>19/48      |
| Apr.   | Amt.<br>Date | 0.69<br>4/47     | 0.73<br>4-5/47   | 1.22<br>4-5/47   | 1.61<br>4-5/47   | 2.09<br>4-5/47   | 2.63<br>4-5/47     |
| May    | Amt.<br>Date | 1.13<br>31/41    | 1.49<br>31/41    | 1.61<br>31/41    | 1.61<br>31/41    | 1.75<br>31-1/42  | 1.99<br>31/41      |
| Jun.   | Amt.<br>Date | 1.41<br>27/48    | 1.98<br>14/49    | 2.23<br>14/49    | 3.00<br>14/49    | 3.27<br>14-15/49 | 4.06<br>14-15/49   |
| Jul.   | Amt.<br>Date | 1.96<br>6/43     | 2.71<br>6/43     | 3.11<br>6/43     | 3.29<br>6/43     | 3.31<br>6/43     | 3.65<br>16-17/50   |
| Aug.   | Amt.<br>Date | 1.26<br>15/41    | 1.72<br>14-15/41 | 1.75<br>14-15/41 | 2.27<br>26/43    | 2.67<br>26/43    | 2.77<br>25-26/43   |
| Sep.   | Amt.<br>Date | 0.92<br>9/49     | 1.24<br>2/42     | 1.39<br>2/42     | 1.72<br>2/42     | 1.76<br>2/42     | 1.85<br>8-9/41     |
| Oct.   | Amt.<br>Date | 1.14<br>2/41     | 1.52<br>8/50     | 1.62<br>8/50     | 2.39<br>2-3/41   | 3.03<br>2-3/41   | 3.28<br>2-3/41     |
| Nov.   | Amt.<br>Date | 0.50<br>15/50    | 0.57<br>3/46     | 0.81<br>3/46     | 1.29<br>3/46     | 1.77<br>2-3/46   | 1.84<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.50<br>11/49    | 0.63<br>11/49    | 0.71<br>11/49    | 0.72<br>11/49    | 1.06<br>21/49    | 1.42<br>21/49      |
| Annual | Amt.<br>Date | 1.96<br>7/6/43   | 2.71<br>7/6/43   | 3.11<br>7/6/43   | 3.29<br>7/6/43   | 3.31<br>7/6/43   | 4.06<br>6/14-15/49 |

U. S. WEATHER BUREAU

Station: (CHICAGO) LOYOLA UNIV.

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 42° 00' Long. 87° 40'

Elev.(ft.) 592

Period of record: 1941-1950

| Month  |              | Duration (hours) |                 |                |                 |                  |                  |
|--------|--------------|------------------|-----------------|----------------|-----------------|------------------|------------------|
|        |              | 1                | 2               | 3              | 6               | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.38<br>27/44    | 0.64<br>13/50   | 0.80<br>13/50  | 1.10<br>13/50   | 1.60<br>13/50    | 1.61<br>13/50    |
| Feb.   | Amt.<br>Date | 0.37<br>26/44    | 0.39<br>26/44   | 0.39<br>26/44  | 0.41<br>26/44   | 0.46<br>25-26/44 | 0.47<br>25-26/44 |
| Mar.   | Amt.<br>Date | 1.29<br>19/48    | 1.72<br>19/48   | 1.97<br>19/48  | 2.55<br>19/48   | 3.19<br>19/48    | 3.26<br>19/48    |
| Apr.   | Amt.<br>Date | 0.64<br>4/47     | 0.75<br>4-5/47  | 1.19<br>4-5/47 | 1.65<br>4-5/47  | 2.20<br>4-5/47   | 2.72<br>4-5/47   |
| May    | Amt.<br>Date | 1.59<br>31/42    | 2.53<br>31/42   | 2.54<br>31/42  | 2.69<br>31-1/42 | 3.35<br>31-1/42  | 3.68<br>31-1/42  |
| Jun.   | Amt.<br>Date | 1.08<br>14/49    | 1.71<br>14/49   | 1.93<br>14/49  | 2.73<br>14/49   | 3.35<br>31-1/42  | 3.68<br>31-1/42  |
| Jul.   | Amt.<br>Date | 1.61<br>24/45    | 2.12E<br>6/43   | 3.18<br>6/43   | 3.93E<br>6/43   | 3.98<br>6/43     | 3.98<br>6/43     |
| Aug.   | Amt.<br>Date | 1.39<br>5/45     | 1.45<br>5/45    | 1.51<br>30/41  | 1.55<br>30/41   | 2.01<br>25-26/43 | 2.17<br>25-26/43 |
| Sep.   | Amt.<br>Date | 1.24<br>2/42     | 2.15<br>2/42    | 2.38<br>2/42   | 2.70<br>2/42    | 2.86<br>21/47    | 2.88<br>21/47    |
| Oct.   | Amt.<br>Date | 0.69<br>8/50     | 1.20<br>8/50    | 1.24<br>8/50   | 2.11<br>8/50    | 2.57<br>2-3/41   | 3.03<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.36<br>3/46     | 0.61<br>3/46    | 0.81<br>3/46   | 1.43<br>3/46    | 2.09<br>3/46     | 2.24<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.32<br>21/49    | 0.62<br>21/49   | 0.75<br>21/49  | 0.99<br>21/49   | 1.33<br>12/46    | 2.07<br>20-21/49 |
| Annual | Amt.<br>Date | 1.61<br>7/24/45  | 2.53<br>5/31/42 | 3.18<br>7/6/43 | 3.93E<br>7/6/43 | 3.98<br>7/6/43   | 3.98<br>7/6/43   |

U.S. WEATHER BUREAU

Station: (CHICAGO) MAYFAIR PUMP STA.

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 58' Long. 87° 45'

Elev.(ft.) 647

Period of record: 1941-1950

| Month  |              | Duration (hours) |                 |                              |                  |                             |                  |
|--------|--------------|------------------|-----------------|------------------------------|------------------|-----------------------------|------------------|
|        |              | 1                | 2               | 3                            | 6                | 12                          | 24               |
| Jan.   | Amt.<br>Date | 0.45<br>13/50    | 0.64<br>13/50   | 0.85<br>13/50                | 1.14<br>13/50    | 1.65<br>13/50               | 1.65<br>13/50    |
| Feb.   | Amt.<br>Date | 0.47<br>27/48    | 0.64<br>27/48   | 0.73<br>27/48                | 1.18<br>27/48    | 1.41<br>27/48               | 1.68<br>27-28/48 |
| Mar.   | Amt.<br>Date | 2.51<br>19/48    | 2.98<br>19/48   | 3.29<br>19/48                | 4.29<br>19/48    | 5.13<br>19/48               | 5.26<br>19/48    |
| Apr.   | Amt.<br>Date | 0.85<br>4/47     | 1.23<br>23/50   | 1.31 <sup>a</sup><br>4-5/47  | 2.28<br>24-25/50 | 2.60<br>24-25/50            | 2.79<br>24-25/50 |
| May    | Amt.<br>Date | 0.84<br>31/42    | 0.88<br>31/46   | 1.05 <sup>E</sup><br>30-1/47 | 2.10<br>31-1/47  | 2.59<br>31-1/47             | 3.20<br>31-1/47  |
| Jun.   | Amt.<br>Date | 1.39<br>2/50     | 2.12<br>14/49   | 2.52<br>14/49                | 3.14<br>14-15/49 | 3.30<br>14-15/49            | 4.64<br>14-15/49 |
| Jul.   | Amt.<br>Date | 1.66<br>31/45    | 2.13<br>31/45   | 2.50<br>21/49                | 2.50<br>21/49    | 2.59<br>31-1/45             | 2.59<br>31-1/45  |
| Aug.   | Amt.<br>Date | 1.98<br>7/42     | 2.28<br>7/42    | 2.52<br>14-15/41             | 2.55<br>14-15/41 | 2.67<br>26/43               | 2.91<br>25-26/43 |
| Sep.   | Amt.<br>Date | 1.23<br>21/47    | 2.14<br>21/47   | 2.50<br>21/47                | 3.01<br>21/47    | 3.32<br>21/47               | 3.33<br>21/47    |
| Oct.   | Amt.<br>Date | 0.95<br>27/47    | 1.57<br>27/47   | 2.41<br>27/47                | 2.54<br>27/47    | 3.14 <sup>E</sup><br>2-3/41 | 3.89<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.59<br>8/50     | 0.84<br>8/50    | 0.96<br>3/46                 | 1.48<br>3/46     | 1.92<br>3/46                | 2.04<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.52<br>11/49    | 0.79<br>21/49   | 1.00<br>21/49                | 1.32<br>21/49    | 1.56<br>21/49               | 2.79<br>20-21/49 |
| Annual | Amt.<br>Date | 2.51<br>3/19/48  | 2.98<br>3/19/48 | 3.29<br>3/19/48              | 4.29<br>3/19/48  | 5.13<br>3/19/48             | 5.26<br>3/19/48  |

<sup>a</sup> Also 25/50

U. S. WEATHER BUREAU

Station: (CHICAGO) NO BRANCH PUMP STA.

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 58' Long. 87° 42'

Elev.(ft) 595

Period of record: 1941-1950

| Month  |              | Duration (hours) |                  |                  |                  |                    |                    |
|--------|--------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.38<br>13/50    | 0.61<br>13/50    | 0.77<br>13/50    | 1.08<br>13/50    | 1.53<br>13/50      | 1.57<br>12-13/50   |
| Feb.   | Amt.<br>Date | 0.32<br>26/44    | 0.40<br>27/48    | 0.51<br>6/42     | 0.84<br>6/42     | 1.06<br>6/42       | 1.21<br>27-28/48   |
| Mar.   | Amt.<br>Date | 0.95<br>19/48    | 1.56<br>19/48    | 1.82<br>19/48    | 2.36<br>19/48    | 2.92<br>19/48      | 2.99<br>19/48      |
| Apr.   | Amt.<br>Date | 0.79<br>4/47     | 0.86<br>4-5/47   | 1.28<br>4-5/47   | 1.74<br>4-5/47   | 2.22<br>4-5/47     | 2.63<br>4-5/47     |
| May    | Amt.<br>Date | 0.62<br>25/44    | 1.20<br>31-1/42  | 1.43<br>31-1/42  | 1.97<br>31-1/42  | 2.62<br>31-1/42    | 2.74<br>31-1/42    |
| Jun.   | Amt.<br>Date | 1.22<br>27/48    | 2.14<br>14/49    | 2.40<br>14/49    | 3.11<br>14/49    | 3.41<br>14-15/49   | 4.43<br>14-15/49   |
| Jul.   | Amt.<br>Date | 1.15<br>6/43     | 1.57<br>6/43     | 1.84<br>6/43     | 2.15<br>6/43     | 2.18<br>6/43       | 2.18<br>6/43       |
| Aug.   | Amt.<br>Date | 1.54<br>7/42     | 1.79<br>14-15/41 | 1.84<br>14-15/41 | 1.85<br>14-15/41 | 2.17<br>26/43      | 2.32<br>25-26/43   |
| Sep.   | Amt.<br>Date | 1.04<br>21/47    | 1.71<br>21/47    | 2.09<br>21/47    | 2.44<br>21/47    | 2.64<br>21/47      | 2.67<br>21/47      |
| Oct.   | Amt.<br>Date | 1.07<br>8/50     | 1.32<br>2/41     | 1.41<br>2/41     | 1.94<br>8/50     | 2.67<br>2-3/41     | 3.16<br>2-3/41     |
| Nov.   | Amt.<br>Date | 0.39<br>19/41    | 0.58<br>3/46     | 0.75<br>3/46     | 1.28<br>3/46     | 1.79<br>3/46       | 1.88<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.31<br>21/49    | 0.60<br>21/49    | 0.72<br>21/49    | 0.95<br>21/49    | 1.11<br>21/49      | 1.87<br>20-21/49   |
| Annual | Amt.<br>Date | 1.54<br>8/7/42   | 2.14<br>6/14/49  | 2.40<br>6/14/49  | 3.11<br>6/14/49  | 3.41<br>6/14-15/49 | 4.43<br>6/14-15/49 |

U. S. WEATHER BUREAU

Station: (CHICAGO) ROSELAND PUMP STA

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 42' Long. 87° 38'

Elev.(ft.) 659

Period of record: 1941-1950

| Month  |              | Duration (hours) |                  |                            |                  |                  |                  |
|--------|--------------|------------------|------------------|----------------------------|------------------|------------------|------------------|
|        |              | 1                | 2                | 3                          | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.46<br>29/47    | 0.64<br>29-30/47 | 0.71<br>13/50              | 1.15<br>13/50    | 1.44<br>13/50    | 1.77<br>18/49    |
| Feb.   | Amt.<br>Date | 0.32<br>28/48    | 0.70<br>13/49    | 0.99<br>13/49              | 1.48<br>6/42     | 1.98<br>6/42     | 2.01<br>6-7/42   |
| Mar.   | Amt.<br>Date | 0.67<br>30/49    | 1.21<br>30/49    | 1.30<br>30/49              | 1.62<br>30/49    | 2.05<br>30-31/49 | 2.14<br>13-14/44 |
| Apr.   | Amt.<br>Date | 1.21<br>5/47     | 1.86<br>5/47     | 2.53<br>5/47               | 3.67<br>4-5/47   | 4.43<br>4-5/47   | 4.94<br>4-5/47   |
| May    | Amt.<br>Date | 1.19<br>24/44    | 1.36<br>24/44    | 1.37<br>24/44              | 1.39<br>24/44    | 1.56<br>10-11/43 | 2.04<br>10-11/43 |
| Jun.   | Amt.<br>Date | 1.37<br>12/44    | 1.39<br>28/45    | 1.48 <sup>a</sup><br>28/45 | 2.02<br>2/50     | 2.09<br>14-15/49 | 3.36<br>2/50     |
| Jul.   | Amt.<br>Date | 3.25<br>6/43     | 3.86<br>6/43     | 4.42<br>6/43               | 4.49<br>6/43     | 4.54<br>6/43     | 4.54<br>6/43     |
| Aug.   | Amt.<br>Date | 1.30<br>15/43    | 1.80<br>15/43    | 1.96<br>15/43              | 2.04<br>15-16/43 | 2.10<br>15-16/43 | 2.10<br>15-16/43 |
| Sep.   | Amt.<br>Date | 0.88<br>21/50    | 1.17<br>21/50    | 1.55<br>21/50              | 1.68<br>21/47    | 1.99<br>4-5/41   | 1.99<br>4-5/41   |
| Oct.   | Amt.<br>Date | 0.91<br>6/41     | 1.56<br>6/41     | 1.56<br>6/41               | 1.79<br>6/41     | 2.53<br>6/41     | 2.53<br>6/41     |
| Nov.   | Amt.<br>Date | 0.30<br>9/42     | 0.53<br>9/42     | 0.58<br>9/42               | 0.76<br>2-3/46   | 1.09<br>9/42     | 1.41<br>9-10/42  |
| Dec.   | Amt.<br>Date | 0.43<br>27/42    | 0.68<br>27/42    | 0.86<br>27/42              | 1.28<br>27/42    | 2.45<br>21/49    | 2.65<br>21/49    |
| Annual | Amt.<br>Date | 3.25<br>7/6/43   | 3.86<br>7/6/43   | 4.42<br>7/6/43             | 4.49<br>7/6/43   | 4.54<br>7/6/43   | 4.94<br>4/4-5/47 |

<sup>a</sup> Also 12/46

U. S. WEATHER BUREAU

Station: (CHICAGO) SANITARY DISPAT

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 50' Long. 87° 42'

Elev.(ft.) 602

Period of record: 1941-1950

| Month  |              | Duration (hours)          |                           |                           |                |                  |                               |
|--------|--------------|---------------------------|---------------------------|---------------------------|----------------|------------------|-------------------------------|
|        |              | 1                         | 2                         | 3                         | 6              | 12               | 24                            |
| Jan.   | Amt.<br>Date | 0.31<br>25/50             | 0.50<br>13/50             | 0.67<br>13/50             | 0.99<br>18/49  | 1.28<br>13/50    | 1.31<br>12-13/50              |
| Feb.   | Amt.<br>Date | 0.29<br>13/49             | 0.52 <sup>a</sup><br>6/42 | 0.72 <sup>b</sup><br>6/42 | 1.41<br>6/42   | 1.77<br>6/42     | 1.77<br>6/42                  |
| Mar.   | Amt.<br>Date | 0.75<br>19/48             | 1.01<br>19/48             | 1.39<br>19/48             | 1.90<br>19/48  | 2.46<br>19/48    | 2.51<br>19/48                 |
| Apr.   | Amt.<br>Date | 0.89<br>4/47              | 1.26<br>4-5/47            | 1.77<br>4-5/47            | 2.48<br>4-5/47 | 3.13<br>4-5/47   | 3.54<br>4-5/47                |
| May    | Amt.<br>Date | 1.00<br>31/42             | 1.03<br>31/42             | 1.40<br>31/42             | 1.43<br>31/42  | 1.65<br>31-1/42  | 1.94<br>31-1/47               |
| Jun.   | Amt.<br>Date | 1.10<br>30/46             | 1.52<br>30/46             | 1.77<br>10/45             | 1.87<br>10/45  | 2.16<br>14-15/49 | 3.07<br>14-15/49              |
| Jul.   | Amt.<br>Date | 2.20<br>26/50             | 2.35<br>26/50             | 2.65<br>6/43              | 2.82<br>6/43   | 2.84<br>6/43     | 3.54<br>16-17/50              |
| Aug.   | Amt.<br>Date | 1.12 <sup>c</sup><br>9/46 | 1.41<br>9/46              | 1.43<br>9/46              | 1.43<br>9/46   | 1.70<br>26/43    | 1.80<br>25-26/43              |
| Sep.   | Amt.<br>Date | 0.91<br>21/47             | 1.40<br>21/47             | 1.52<br>21/47             | 1.84<br>21/47  | 1.93<br>21/47    | 1.93<br>21/47                 |
| Oct.   | Amt.<br>Date | 0.41<br>13/41             | 0.61<br>3/41              | 0.80<br>31/41             | 1.07<br>31/41  | 1.73<br>2-3/41   | 1.91<br>26-27/47              |
| Nov.   | Amt.<br>Date | 0.44<br>6/45              | 0.67<br>3/46              | 0.85<br>3/46              | 1.34<br>3/46   | 1.83<br>2-3/46   | 1.88<br>2-3/46                |
| Dec.   | Amt.<br>Date | 0.42<br>11/49             | 0.72<br>11/49             | 0.92<br>11/49             | 1.08<br>21/49  | 1.43<br>27/42    | 2.03<br>20-21/49              |
| Annual | Amt.<br>Date | 2.20<br>7/26/50           | 2.35<br>7/26/50           | 2.65<br>6/5/43            | 2.82<br>6/5/43 | 3.13<br>4/4-5/47 | 3.54 <sup>d</sup><br>4/4-5/47 |

<sup>a</sup> Also 13/49

<sup>b</sup> Also 12-13/49

<sup>c</sup> Also 4/48

<sup>d</sup> Also 7/16-17/50

U. S. WEATHER BUREAU

Station: (CHICAGO) SANITARY DIST OFF

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 59' Long. 87° 38'

Elev. (ft.) 898

Period of record: 1941-1950

| Month  |              | Duration (hours) |                            |                  |                  |                  |                  |
|--------|--------------|------------------|----------------------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2                          | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.31<br>13/50    | 0.50<br>13/50              | 0.68<br>13/50    | 1.03<br>13/50    | 1.37<br>13/50    | 1.37<br>13/50    |
| Feb.   | Amt.<br>Date | 0.29<br>13/49    | 0.51 <sup>a</sup><br>27/48 | 0.75<br>12-13/49 | 1.18<br>6/42     | 1.52<br>6/42     | 1.52<br>6/42     |
| Mar.   | Amt.<br>Date | 0.86<br>30/49    | 1.32<br>30-31/49           | 1.74<br>30-31/49 | 2.03<br>30-31/49 | 2.54<br>30-31/49 | 2.55<br>30-31/49 |
| Apr.   | Amt.<br>Date | 0.95<br>4/47     | 1.10<br>4/47               | 1.65<br>4-5/47   | 2.31<br>4-5/47   | 2.90<br>4-5/47   | 3.46<br>4-5/47   |
| May    | Amt.<br>Date | 1.00<br>31/42    | 1.01<br>31/42              | 1.38<br>31/42    | 1.41<br>31/42    | 2.58<br>31-1/42  | 3.58<br>31-1/42  |
| Jun.   | Amt.<br>Date | 1.31<br>30/46    | 1.63<br>14/49              | 1.93<br>27/48    | 2.74<br>2/50     | 2.74<br>2/50     | 3.94<br>2/50     |
| Jul.   | Amt.<br>Date | 1.51<br>5/49     | 1.67<br>6/43               | 1.82<br>6/43     | 1.95<br>6/43     | 2.10<br>5-6/49   | 2.13<br>5-6/49   |
| Aug.   | Amt.<br>Date | 1.45<br>7/42     | 2.12<br>7/42               | 2.15<br>7/42     | 2.15<br>7/42     | 2.15<br>7/42     | 2.17<br>25-26/43 |
| Sep.   | Amt.<br>Date | 0.70<br>21/47    | 1.20<br>21/47              | 1.37<br>21/47    | 1.79<br>21/47    | 1.97<br>21/47    | 1.97<br>21/47    |
| Oct.   | Amt.<br>Date | 0.40<br>27/47    | 0.58<br>2/41               | 0.85<br>2/41     | 1.11<br>17/46    | 1.72<br>2-3/41   | 1.89<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.27<br>6/45     | 0.47<br>3/46               | 0.67<br>3/46     | 1.15<br>3/46     | 1.58<br>2-3/46   | 1.65<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.46<br>21/49    | 0.81<br>21/49              | 0.95<br>21/49    | 1.28<br>21/49    | 1.50<br>21/49    | 2.23<br>20-21/49 |
| Annual | Amt.<br>Date | 1.51<br>7/5/49   | 2.21<br>8/7/42             | 2.15<br>8/7/42   | 2.74<br>6/2/50   | 2.90<br>4/4-5/47 | 3.94<br>6/2/50   |

<sup>a</sup> Also 13/49



U. S. WEATHER BUREAU

Station: (CHICAGO) S FILTER PL

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41°45' Long. 87°33'

Elev.(ft.) 611

Period of record: 1948-1950

| Month  |              | Duration (hours) |                |                 |                  |                  |                   |
|--------|--------------|------------------|----------------|-----------------|------------------|------------------|-------------------|
|        |              | 1                | 2              | 3               | 6                | 12               | 24                |
| Jan.   | Amt.<br>Date | 0.32<br>25/50    | 0.48<br>3/50   | 0.66<br>3/50    | 0.99<br>18/49    | 1.26<br>18/49    | 1.34<br>18-19/49  |
| Feb.   | Amt.<br>Date | 0.31<br>13/49    | 0.56<br>13/49  | 0.79<br>13/49   | 1.21<br>12-13/49 | 1.36<br>12-13/49 | 1.48<br>13-14/50  |
| Mar.   | Amt.<br>Date | 0.39<br>30/49    | 0.76<br>30/49  | 0.88<br>30/49   | 1.19<br>30-31/49 | 1.51<br>30-31/49 | 1.51<br>30-31/49  |
| Apr.   | Amt.<br>Date | 0.38<br>24/50    | 0.70<br>24/50  | 0.89<br>24/50   | 1.13<br>24-25/50 | 1.50<br>24-25/50 | 1.61<br>24-25/50  |
| May    | Amt.<br>Date | 0.40<br>25/50    | 0.57<br>19/49  | 0.70 a<br>19/59 | 0.93<br>19/59    | 1.00<br>19/49    | 1.03<br>19-20/49  |
| Jun.   | Amt.<br>Date | 1.33<br>2/50     | 1.76<br>2/50   | 1.94<br>2/50    | 1.98<br>2/50     | 2.07<br>2/50     | 3.29<br>2/50      |
| Jul.   | Amt.<br>Date | 1.15<br>21/48    | 1.35<br>16/50  | 1.54<br>16/50   | 1.76<br>16-17/50 | 1.76<br>16-17/50 | 2.43<br>16-17/50  |
| Aug.   | Amt.<br>Date | 0.57<br>30/49    | 0.59<br>30/49  | 0.59<br>30/49   | 0.81<br>30/50    | 0.82<br>30/50    | 0.82<br>30/50     |
| Sep.   | Amt.<br>Date | 0.45<br>21/50    | 0.72<br>8/48   | 0.86<br>21/50   | 0.92<br>8/48     | 1.55<br>8/48     | 1.55<br>8/48      |
| Oct.   | Amt.<br>Date | 0.45<br>10/49    | 0.55<br>5/49   | 0.70<br>5/49    | 0.90<br>7/50     | 1.06<br>7/50     | 1.06<br>7/50      |
| Nov.   | Amt.<br>Date | 0.39<br>16/48    | 0.43<br>5/48   | 0.47<br>5/48    | 0.75<br>5/48     | 0.75<br>5/48     | 1.00<br>5/48      |
| Dec.   | Amt.<br>Date | 0.45<br>21/49    | 0.90<br>21/49  | 1.13<br>21/49   | 1.54E<br>21/49   | 2.11<br>21/49    | 2.59E<br>20-21/49 |
| Annual | Amt.<br>Date | 1.33<br>6/2/50   | 1.76<br>6/2/50 | 1.94<br>6/2/50  | 1.98<br>6/2/50   | 2.11<br>12/21/49 | 3.29<br>6/2/50    |

a Also 25/50

U.S. WEATHER BUREAU

Station: (CHICAGO) SPRINGFIELD PUMP STA.

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41°55' Long. 87°44'

Elev.(ft.) 630

Period of record: 1941-1950

| Month  |              | Duration (hours) |                  |                  |                  |                    |                  |
|--------|--------------|------------------|------------------|------------------|------------------|--------------------|------------------|
|        |              | 1                | 2                | 3                | 6                | 12                 | 24               |
| Jan.   | Amt.<br>Date | 0.68<br>25/50    | 0.71<br>25/50    | 0.93<br>13/50    | 1.29<br>13/50    | 1.68<br>13/50      | 1.68<br>13/50    |
| Feb.   | Amt.<br>Date | 0.38<br>26/44    | 0.50 a<br>5/43   | 0.76<br>12-13/49 | 1.18<br>12-13/49 | 1.39<br>12-13/49   | 1.55<br>12-13/49 |
| Mar.   | Amt.<br>Date | 1.18<br>19/48    | 1.61<br>19/48    | 1.93<br>19/48    | 2.63<br>19/48    | 3.10<br>19/48      | 3.20<br>19/48    |
| Apr.   | Amt.<br>Date | 0.67<br>4/47     | 0.74<br>4/47     | 1.36<br>4-5/47   | 1.80<br>4-5/47   | 2.45<br>4-5/47     | 2.83<br>4-5/47   |
| May    | Amt.<br>Date | 1.03<br>31/41    | 1.15<br>31/41    | 1.28<br>31/41    | 1.63<br>31-1/47  | 2.20<br>31-1/47    | 2.36<br>31-1/47  |
| Jun.   | Amt.<br>Date | 1.47<br>14/49    | 2.56<br>14/49    | 2.67<br>14/49    | 3.30<br>2/50     | 3.39<br>14-15/49   | 4.88<br>2/50     |
| Jul.   | Amt.<br>Date | 1.35<br>31/45    | 1.77<br>21/49    | 1.80<br>21/49    | 1.80 b E<br>6/43 | 2.40<br>6/43       | 3.46<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.45<br>14/41    | 1.73<br>14-15/41 | 1.83<br>14-15/41 | 2.29<br>26/43    | 2.42<br>26/43      | 2.60<br>25-26/43 |
| Sep.   | Amt.<br>Date | 1.05<br>21/47    | 1.65<br>21/47    | 1.99<br>21/47    | 2.37<br>21/47    | 2.52<br>21/47      | 2.52<br>21/47    |
| Oct.   | Amt.<br>Date | 0.89<br>2/41     | 1.29<br>2/41     | 1.56<br>2/41     | 2.21<br>2-3/41   | 2.26<br>2-3/41     | 3.17<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.48<br>6/45     | 0.80<br>3/46     | 1.12<br>3/46     | 1.87<br>3/46     | 2.59<br>3/46       | 2.66<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.43<br>21/49    | 0.72<br>21/49    | 0.88<br>21/49    | 1.15<br>21/49    | 1.66<br>26-27/42   | 2.33<br>20-21/49 |
| Annual | Amt.<br>Date | 1.47<br>6/14/49  | 2.56<br>6/14/49  | 2.67<br>6/14/49  | 3.30<br>6/2/50   | 3.39<br>6/14-15/49 | 4.88<br>6/2/50   |

a Also 12-13/49  
b Also 21/49

U. S. WEATHER BUREAU

Station: CHICAGO UNIV., \*

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 47' Long. 87° 36'

Elev.(ft.) 594

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                   |                  |                   |
|--------|--------------|------------------|-----------------|------------------|-------------------|------------------|-------------------|
|        |              | 1                | 2               | 3                | 6                 | 12               | 24                |
| Jan.   | Amt.<br>Date | 0.50<br>25/50    | 0.58<br>30/47   | 0.83<br>30/47    | 1.08a<br>29-30/47 | 1.30<br>1/48     | 1.52<br>29-30/47  |
| Feb.   | Amt.<br>Date | 0.30<br>13/49    | 0.54<br>6/42    | 0.81<br>6/42     | 1.52<br>6/42      | 1.98<br>6/42     | 1.98<br>6/42      |
| Mar.   | Amt.<br>Date | 0.98<br>30/49    | 1.45<br>30/49   | 1.58<br>30-31/49 | 1.79<br>30-31/49  | 2.07<br>30-31/49 | 2.11<br>19/48     |
| Apr.   | Amt.<br>Date | 1.10<br>5/47     | 1.88<br>4-5/47  | 2.10<br>4-5/47   | 3.22<br>4-5/47    | 3.95<br>4-5/47   | 4.34<br>4-5/47    |
| May    | Amt.<br>Date | 1.26<br>31/42    | 1.35<br>31/42   | 1.35<br>31/42    | 1.60<br>7/45      | 1.70<br>7/45     | 2.15b<br>10-11/43 |
| Jun.   | Amt.<br>Date | 1.44<br>12/44    | 1.72<br>12/44   | 1.88<br>12/44    | 2.04<br>12/44     | 2.05<br>12/44    | 3.02<br>2/50      |
| Jul.   | Amt.<br>Date | 1.26<br>6/43     | 2.10<br>16/50   | 2.46<br>6/43     | 2.72<br>6/43      | 2.76<br>6/43     | 3.71<br>16-17/50  |
| Aug.   | Amt.<br>Date | 1.80<br>7/42     | 2.05<br>7/42    | 2.11<br>7/42     | 2.15<br>7/42      | 2.15<br>7/42     | 2.15<br>7/42      |
| Sep.   | Amt.<br>Date | 0.85<br>3/41     | 1.06<br>21/47   | 1.43<br>21/47    | 1.88<br>21/47     | 1.93<br>21/47    | 1.93<br>21/47     |
| Oct.   | Amt.<br>Date | 0.63<br>22/41    | 1.01<br>22/41   | 1.05<br>22/41    | 1.12<br>2-3/49    | 1.36<br>26-27/47 | 1.75<br>26-27/47  |
| Nov.   | Amt.<br>Date | 0.65<br>6/45     | 0.87<br>6/45    | 0.92<br>6/45     | 0.98<br>3/46      | 1.31<br>2-3/46   | 1.42<br>2-3/46    |
| Dec.   | Amt.<br>Date | 0.34<br>27/42    | 0.60<br>21/49   | 0.81<br>21/49    | 1.46<br>21/49     | 1.82<br>21/49    | 2.59<br>20-21/49  |
| Annual | Amt.<br>Date | 1.80<br>8/7/42   | 2.10<br>7/16/50 | 2.46<br>7/6/43   | 3.22<br>4/4-5/47  | 3.95<br>4/4-5/47 | 4.34<br>4/4-5/47  |

<sup>a</sup> Also 13/50

<sup>b</sup> Also 31-1/47

\* Given for comparative purposes. See next page for complete record.

U. S. WEATHER BUREAU

Station: CHICAGO UNIV

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41°47' Long. 87°36'

Elev.(ft.) 594

Period of record: 1916-50

| Month  |              | Duration (hours) |                  |                 |                  |                  |                   |
|--------|--------------|------------------|------------------|-----------------|------------------|------------------|-------------------|
|        |              | 1                | 2                | 3               | 6                | 12               | 24                |
| Jan.   | Amt.<br>Date | 0.50<br>25/50    | 0.69x<br>18/33   | 0.94<br>18/33   | 1.38<br>18/33    | 2.20<br>20-21/16 | 2.52<br>20-21/16  |
| Feb.   | Amt.<br>Date | 0.30<br>13/49    | 0.54<br>6/42     | 0.81<br>6/42    | 1.52<br>6/42     | 1.98<br>6/42     | 1.98<br>6/42      |
| Mar.   | Amt.<br>Date | 0.98<br>30/49    | 1.50x<br>31/29   | 1.90<br>31/29   | 2.24<br>31/29    | 2.50<br>31/29    | 3.12<br>31/29     |
| Apr.   | Amt.<br>Date | 1.10<br>5/47     | 1.88<br>4-5/47   | 2.10<br>4-5/47  | 3.22<br>4-5/47   | 3.95<br>4-5/47   | 4.34<br>4-5/47    |
| May    | Amt.<br>Date | 1.39x<br>12/35   | 2.08x<br>12/35   | 2.31<br>12/35   | 2.66<br>12/35    | 2.67<br>12/35    | 3.00x<br>12-13/35 |
| Jun.   | Amt.<br>Date | 2.30x<br>20/28   | 2.60x<br>20/28   | 2.71<br>20/28   | 2.76<br>29/33    | 2.87<br>11-12/29 | 3.02<br>2/50      |
| Jul.   | Amt.<br>Date | 2.20w<br>7/21    | 2.20w<br>7/21    | 2.46<br>6/43    | 2.72<br>6/43     | 2.76<br>6/43     | 3.71<br>16-17/50  |
| Aug.   | Amt.<br>Date | 1.80<br>7/42     | 2.05<br>7/42     | 2.17<br>11/23   | 2.68<br>11/31    | 3.84<br>10-11/31 | 3.84<br>10-11/31  |
| Sep.   | Amt.<br>Date | 2.15x<br>13/36   | 2.30x<br>13/36   | 2.39w<br>13/36  | 2.77<br>17-18/27 | 2.92<br>17-18/27 | 2.92<br>17-18/27  |
| Oct.   | Amt.<br>Date | 1.87w<br>9/19    | 2.23<br>9-10/19  | 2.24<br>9-10/19 | 2.24<br>9-10/19  | 2.24<br>9-10/19  | 2.52<br>20-21/33  |
| Nov.   | Amt.<br>Date | 0.65<br>6/45     | 0.87<br>6/45     | 0.92<br>6/45    | 1.23<br>11-12/31 | 1.86<br>11-12/31 | 2.21<br>11-12/31  |
| Dec.   | Amt.<br>Date | 0.45x<br>19/33   | 0.60x<br>19/33   | 0.81<br>21/49   | 1.46<br>21/49    | 1.82<br>21/49    | 2.59<br>20-21/49  |
| Annual | Amt.<br>Date | 2.30x<br>6/20/28 | 2.60x<br>6/20/28 | 2.71<br>6/20/28 | 3.22<br>4/4-5/47 | 3.95<br>4/4-5/47 | 4.34<br>4/4-5/47  |

(a) Also 21/49

U. S. WEATHER BUREAU

Station: CHICAGO WB AP

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41°47' Long. 87°44'

Elev.(ft.) 623

Period of record: 1941-1950

| Month  |              | Duration (hours) |                 |                 |                |                  |                  |
|--------|--------------|------------------|-----------------|-----------------|----------------|------------------|------------------|
|        |              | 1                | 2               | 3               | 6              | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.58<br>25/50    | 0.62<br>25/50   | 0.73<br>13/50   | 1.03<br>13/50  | 1.35<br>13/50    | 1.38<br>12-13/50 |
| Feb.   | Amt.<br>Date | 0.34<br>6/42     | 0.63<br>6/42    | 0.89<br>6/42    | 1.74<br>6/42   | 2.13<br>6/42     | 2.13<br>6/42     |
| Mar.   | Amt.<br>Date | 0.95w<br>19/48   | 1.09w<br>19/48  | 1.39w<br>19/48  | 1.88<br>19/48  | 2.45<br>19/48    | 2.50<br>19/48    |
| Apr.   | Amt.<br>Date | 1.48w<br>4-5/47  | 1.91w<br>4-5/47 | 2.24w<br>4-5/47 | 2.91<br>4-5/47 | 3.55<br>4-5/47   | 4.08<br>4-5/47   |
| May    | Amt.<br>Date | 1.07<br>31/42    | 1.16w<br>19/49  | 1.39w<br>10/48  | 1.46<br>19/49  | 1.52<br>19/49    | 1.96 a<br>5-6/41 |
| Jun.   | Amt.<br>Date | 1.69<br>24/50    | 2.00<br>24/50   | 2.00<br>24/50   | 2.08<br>24/50  | 2.31<br>24/50    | 2.73<br>14-15/49 |
| Jul.   | Amt.<br>Date | 2.81w<br>6/43    | 3.67w<br>6/43   | 3.84w<br>6/43   | 3.92<br>6/43   | 3.93<br>6/43     | 3.93<br>6/43     |
| Aug.   | Amt.<br>Date | 1.20w<br>11/45   | 1.20w<br>11/45  | 1.20w<br>11/45  | 1.20w<br>11/45 | 1.68<br>26/43    | 1.75<br>25-26/43 |
| Sep.   | Amt.<br>Date | 0.85<br>3/41     | 1.17<br>21/47   | 1.33<br>21/47   | 1.61<br>21/47  | 1.67<br>21/47    | 1.67<br>21/47    |
| Oct.   | Amt.<br>Date | 0.75<br>22/41    | 0.89<br>22/41   | 1.15<br>27/47   | 1.22<br>27/47  | 1.67<br>26-27/47 | 2.34<br>26-27/47 |
| Nov.   | Amt.<br>Date | 0.52<br>6/45     | 0.68<br>6/45    | 0.82<br>6/45    | 1.29<br>3/46   | 1.74<br>2-3/46   | 1.79<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.59w<br>11/49   | 1.14w<br>11/49  | 1.20w<br>11/49  | 1.31<br>21/49  | 1.57<br>21/49    | 2.35<br>20-21/49 |
| Annual | Amt.<br>Date | 2.81w<br>7/6/43  | 3.67w<br>7/6/43 | 3.84w<br>7/6/43 | 3.92<br>7/6/43 | 3.93<br>7/6/43   | 4.08<br>4/4-5/47 |

a Also 13-14/45

U.S. WEATHER BUREAU

Station: CHICAGO WB CITY

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 53' Long. 87° 37'

Elev.(ft.) 823

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                    |                  |                  |
|--------|--------------|------------------|------------------|------------------|--------------------|------------------|------------------|
|        |              | 1                | 2                | 3                | 6                  | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.33<br>30/47    | 0.60<br>29-30/47 | 0.87<br>29-30/47 | 1.27<br>29-30/47   | 1.44<br>29-30/47 | 1.67<br>29-30/47 |
| Feb.   | Amt.<br>Date | 0.33x<br>13/49   | 0.56x<br>13/49   | 0.73<br>12-13/49 | 1.16<br>6/42       | 1.46<br>6/42     | 1.98x<br>6/42    |
| Mar.   | Amt.<br>Date | 0.73<br>19/48    | 1.03<br>19/48    | 1.56<br>19/48    | 2.05<br>19/48      | 2.67<br>19/48    | 2.75<br>19/48    |
| Apr.   | Amt.<br>Date | 1.48x<br>4-5/47  | 1.91x<br>4-5/47  | 1.91x<br>4-5/47  | 2.27<br>4-5/47     | 2.96<br>4-5/47   | 4.08<br>4-5/47   |
| May    | Amt.<br>Date | 0.90<br>31/42    | 0.90<br>31/42    | 1.28<br>31/42    | 1.49<br>31-1/42    | 2.77<br>31-1/42  | 3.49<br>31-1/42  |
| Jun.   | Amt.<br>Date | 1.24<br>30/46    | 1.79<br>14/49    | 1.94<br>14/49    | 2.70<br>2/50       | 2.77<br>31-1/42  | 4.09<br>2/50     |
| Jul.   | Amt.<br>Date | 1.57<br>16/50    | 2.10<br>16/50    | 2.58<br>16/50    | 2.71<br>16-17/50   | 2.74<br>16-17/50 | 3.53<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.32<br>7/42     | 2.58<br>7/42     | 2.62<br>7/42     | 2.66<br>7/42       | 2.66<br>7/42     | 2.66<br>7/42     |
| Sep.   | Amt.<br>Date | 0.79<br>5/41     | 1.34<br>21/47    | 1.59<br>21/47    | 2.02<br>21/47      | 2.18<br>21/47    | 2.18<br>21/47    |
| Oct.   | Amt.<br>Date | 0.44<br>3/49     | 0.68<br>2/41     | 0.99<br>2/41     | 1.22<br>2-3/41     | 1.92<br>2-3/41   | 2.11<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.50<br>12/45    | 0.65<br>3/46     | 0.85<br>3/46     | 1.41<br>3/46       | 1.69<br>3/46     | 1.69<br>3/46     |
| Dec.   | Amt.<br>Date | 0.42<br>11/49    | 0.75<br>21/49    | 0.90<br>11/49    | 1.21<br>21/49      | 1.64<br>27/42    | 2.17<br>20-21/49 |
| Annual | Amt.<br>Date | 1.57<br>7/16/50  | 2.58<br>8/7/42   | 2.62<br>8/7/42   | 2.71<br>7/16-17/50 | 2.96<br>4/4-5/47 | 4.09<br>6/2/50   |

\*Given for comparative purposes. See next page for complete record.

S. WEATHER BUREAU

Station: CHICAGO WB CITY

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 41° 53' Long. 87° 37'

Elev.(ft.) 823

Period of record: 1899-1925 and 1940-1950

| Month  | Amt.<br>Date    | Duration (hours) |                  |                  |                  |                  |    |
|--------|-----------------|------------------|------------------|------------------|------------------|------------------|----|
|        |                 | 1                | 2                | 3                | 6                | 12               | 24 |
| Jan.   | 0.33<br>30/47   | 0.60<br>29-30/47 | 0.87<br>29-30/47 | 1.27<br>29-30/47 | 1.87<br>20-21/16 | 1.91<br>20-21/16 |    |
| Feb.   | 0.33x<br>13/49  | 0.56x<br>13/49   | 0.73<br>12-13/49 | 1.16<br>6/42     | 1.46<br>6/42     | 1.98x<br>6/42    |    |
| Mar.   | 0.73<br>19/48   | 1.03<br>19/48    | 1.56<br>19/48    | 2.05<br>19/48    | 2.67<br>19/48    | 2.75<br>19/48    |    |
| Apr.   | 1.48x<br>4-5/47 | 1.91x<br>4-5/47  | 1.91x<br>4-5/47  | 2.27<br>4-5/47   | 2.96<br>4-5/47   | 4.08<br>4-5/47   |    |
| May    | 1.23<br>11/05   | 1.30<br>11/05    | 1.36<br>11/05    | 1.73<br>11/05    | 2.77<br>31-1/42  | 3.49<br>31-1/42  |    |
| Jun.   | 1.24<br>30/46   | 1.79<br>14/49    | 1.94<br>14/49    | 2.70<br>2/50     | 2.77<br>31-1/42  | 4.09<br>2/50     |    |
| Jul.   | 1.62w<br>16/14  | 2.10<br>16/50    | 2.58<br>16/50    | 2.71<br>16-17/50 | 2.91<br>28/06    | 3.53<br>16-17/50 |    |
| Aug.   | 1.95<br>11/23   | 2.58<br>7/42     | 3.14<br>14/09    | 3.44<br>14/09    | 3.46<br>14/09    | 4.34<br>11-12/08 |    |
| Sep.   | 1.51<br>10/22   | 1.67<br>10/22    | 1.78<br>10/22    | 2.02<br>21/47    | 2.18<br>21/47    | 2.73<br>28-29/06 |    |
| Oct.   | 1.59x<br>5/19   | 1.70x<br>5/19    | 1.71<br>5/19     | 1.71<br>5/19     | 1.92<br>2-3/41   | 2.28<br>4-5/19   |    |
| Nov.   | 1.00<br>11/11   | 1.25<br>11/11    | 1.39<br>11/11    | 1.48<br>11/11    | 1.69<br>3/46     | 1.91<br>18-19/21 |    |
| Dec.   | 0.42<br>11/49   | 0.75<br>21/49    | 0.90<br>11/49    | 1.21<br>21/49    | 1.64<br>27/42    | 2.60<br>16-17/21 |    |
| Annual | 1.95<br>8/11/23 | 2.58<br>8/7/42   | 3.14<br>8/14/09  | 3.44<br>8/14/09  | 3.46<br>8/14/09  | 4.34<br>11-12/08 |    |

U. S. WEATHER BUREAU

Station: CISNE BROWN CAMP

Drainage basin: WABASH

County: WAYNE

Lat. 38° 31' Long. 88° 24'

Elev.(ft.) 460

Period of record: 1944-1950

| Month  |              | Duration (hours) |                 |                 |                  |                    |                    |
|--------|--------------|------------------|-----------------|-----------------|------------------|--------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 1.07<br>3/50     | 1.63<br>3/50    | 1.80<br>3/50    | 2.32<br>3/50     | 3.25<br>3-4/50     | 4.14<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.65<br>14/49    | 1.17<br>14/49   | 1.39<br>14/49   | 1.58<br>14-15/49 | 1.73<br>13/46      | 2.65<br>12-13/46   |
| Mar.   | Amt.<br>Date | 0.71<br>19/48    | 1.05<br>26/49   | 1.67<br>26/49   | 1.74<br>26/49    | 2.29<br>5-6/45     | 2.98<br>5-6/45     |
| Apr.   | Amt.<br>Date | 0.52<br>29/50    | 0.83<br>29/50   | 1.25<br>29/50   | 1.70<br>29/50    | 1.98<br>29/50      | 2.39<br>28-29/50   |
| May    | Amt.<br>Date | 0.83<br>14/45    | 1.03<br>19/47   | 1.04<br>19/47   | 1.07<br>1/46     | 1.63<br>30-1/46    | 2.04<br>30-1/46    |
| Jun.   | Amt.<br>Date | 1.50<br>12/48    | 1.64<br>30/47   | 1.74<br>30/47   | 2.05<br>30/47    | 2.54<br>19/47      | 2.54<br>19/47      |
| Jul.   | Amt.<br>Date | 1.20<br>28/48    | 2.20<br>28/48   | 2.23<br>28/48   | 2.23<br>28/48    | 2.23<br>28/48      | 2.86<br>28/48      |
| Aug.   | Amt.<br>Date | 1.64<br>12/44    | 1.68<br>12/44   | 1.70<br>12/44   | 2.09<br>11/45    | 2.66<br>10-11/45   | 3.27<br>15-16/46   |
| Sep.   | Amt.<br>Date | 1.33<br>27/45    | 1.77<br>27/45   | 1.85<br>27/45   | 2.24<br>27/45    | 2.76<br>27/45      | 3.10<br>27/45      |
| Oct.   | Amt.<br>Date | 0.86<br>27/47    | 1.28<br>27/47   | 1.68<br>27/47   | 2.07<br>27/47    | 2.68<br>5-6/49     | 2.93<br>5-6/49     |
| Nov.   | Amt.<br>Date | 0.69<br>7/50     | 0.95<br>7/50    | 1.14<br>7/50    | 1.53<br>7/50     | 2.21<br>7-8/50     | 2.57<br>19-20/50   |
| Dec.   | Amt.<br>Date | 0.54<br>2/50     | 0.83<br>31/47   | 1.13<br>31/47   | 1.90<br>31/47    | 3.13<br>31/47-1/48 | 3.44<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.64<br>8/12/44  | 2.20<br>7/28/48 | 2.23<br>7/28/48 | 2.32<br>1/3/50   | 3.25<br>1/3-4/50   | 4.14<br>1/3-4/50   |



U. S. WEATHER BUREAU

Station: COLLINSVILLE

Drainage basin: MISSISSIPPI

County: MADISON

Lat. 38° 40' Long. 89° 59'

Elev.(ft.) 500

Period of record: 1940-1950

| Month  |              | Duration (hours)          |                  |                  |                  |                            |                    |
|--------|--------------|---------------------------|------------------|------------------|------------------|----------------------------|--------------------|
|        |              | 1                         | 2                | 3                | 6                | 12                         | 24                 |
| Jan.   | Amt.<br>Date | 0.99<br>29/47             | 1.17<br>29/47    | 1.33<br>29/47    | 1.47<br>29/47    | 2.22<br>3-4/50             | 3.78<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.39 <sup>a</sup><br>3/43 | 0.69<br>21/45    | 0.81<br>21/45    | 1.01<br>21/45    | 1.87 <sup>E</sup><br>14/49 | 2.34<br>14/49      |
| Mar.   | Amt.<br>Date | 0.58<br>29/45             | 0/80<br>29/45    | 0.91<br>29/45    | 1.16<br>29/45    | 1.38<br>5-6/46             | 2.04<br>25/45      |
| Apr.   | Amt.<br>Date | 0.96<br>22/44             | 1.24<br>22/44    | 1.39<br>22/44    | 1.75<br>22/44    | 3.27<br>22/44              | 5.06<br>22-23/44   |
| May    | Amt.<br>Date | 1.60<br>14/45             | 2.10<br>14/45    | 2.19<br>14/45    | 2.25<br>14/45    | 2.46<br>14/45              | 2.93<br>17-18/43   |
| Jun.   | Amt.<br>Date | 1.40<br>30/47             | 2.08<br>14/49    | 2.19<br>30/47    | 2.64<br>30/47    | 2.64<br>30/47              | 2.64<br>30/47      |
| Jul.   | Amt.<br>Date | 2.71<br>31/43             | 3.07<br>25/48    | 3.83<br>8-9/42   | 5.92<br>8-9/42   | 6.11<br>8-9/42             | 6.42<br>8-9/42     |
| Aug.   | Amt.<br>Date | 2.15<br>16/46             | 2.98<br>15-16/46 | 3.40<br>15-16/46 | 4.11<br>15-16/46 | 6.15<br>15-16/46           | 7.28<br>15-16/46   |
| Sep.   | Amt.<br>Date | 1.49<br>1/41              | 1.69<br>1/41     | 2.59<br>1/41     | 2.84<br>1/41     | 2.84<br>1/41               | 3.12<br>12-13/45   |
| Oct.   | Amt.<br>Date | 1.16<br>24/47             | 1.71<br>24/47    | 1.86<br>24/47    | 2.66<br>24/47    | 3.01<br>24-25/47           | 3.61<br>24-25/47   |
| Nov.   | Amt.<br>Date | 0.70<br>4/48              | 1.05<br>9/46     | 1.36<br>9/46     | 1.77<br>9/46     | 2.08<br>9-10/46            | 2.53<br>31-1/46    |
| Dec.   | Amt.<br>Date | 0.66<br>27/42             | 1.02<br>27/42    | 1.37<br>27/42    | 2.00<br>27/42    | 2.55<br>26-27/42           | 2.79<br>26-27/42   |
| Annual | Amt.<br>Date | 2.71<br>7/31/43           | 3.07<br>7/25/48  | 3.83<br>7/8-9/42 | 5.92<br>7/8-9/42 | 6.15<br>8/15-16/46         | 7.28<br>8/15-16/46 |

a Also 21/45 and 13/46

U.S. WEATHER BUREAU

Station: COULTERVILLE

Drainage basin: MISSISSIPPI

County: RANDOLPH

Lat. 38° 11' Long. 89° 36'

Elev.(ft.) 590

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                  |                  |                  |
|--------|--------------|------------------|------------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2                | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.99<br>3/50     | 1.60<br>3/50     | 1.95<br>23-24/49 | 2.15<br>3/50     | 3.20<br>3-4/50   | 4.25<br>3-4/50   |
| Feb.   | Amt.<br>Date | 0.74<br>14/49    | 1.35<br>14/49    | 1.60<br>14/49    | 1.82<br>14/49    | 2.57<br>12-13/50 | 3.05<br>12-13/50 |
| Mar.   | Amt.<br>Date | 0.98<br>26/48    | 1.01<br>26/48    | 1.18<br>25/45    | 1.74<br>25/45    | 2.53<br>25/45    | 3.10<br>25/45    |
| Apr.   | Amt.<br>Date | 0.97<br>22/44    | 1.14<br>22-23/44 | 1.50<br>22-23/44 | 1.59<br>22-23/44 | 2.12<br>22-23/44 | 2.25<br>13/45    |
| May    | Amt.<br>Date | 1.15<br>16/45    | 1.34<br>24/47    | 1.53<br>24/47    | 1.77<br>10/43    | 2.60<br>10-11/43 | 3.74<br>10-11/43 |
| Jun.   | Amt.<br>Date | 1.17<br>11/49    | 1.65<br>21/47    | 1.68<br>21/47    | 1.68<br>21/47    | 1.68<br>21/47    | 1.87<br>11-12/49 |
| Jul.   | Amt.<br>Date | 1.11<br>20/48    | 1.40<br>26/49    | 1.55<br>20/48    | 1.91<br>20/48    | 2.61<br>20/49    | 2.61<br>20/49    |
| Aug.   | Amt.<br>Date | 1.45<br>6/42     | 1.88<br>16/46    | 2.09<br>16/46    | 2.25<br>16/46    | 2.85<br>16/46    | 2.86<br>16/46    |
| Sep.   | Amt.<br>Date | 1.05<br>12/49    | 1.50<br>4/43     | 1.50<br>4/43     | 1.92<br>12/49    | 2.49<br>12/49    | 3.14<br>12-13/49 |
| Oct.   | Amt.<br>Date | 1.17<br>30/42    | 1.29<br>21/45    | 1.45<br>30/42    | 2.15<br>29-30/42 | 3.02<br>29-30/42 | 3.10<br>29-30/42 |
| Nov.   | Amt.<br>Date | 0.64<br>1/46     | 1.05<br>7/50     | 1.10<br>7/50     | 1.33<br>7/50     | 1.69<br>7/50     | 1.70<br>19-20/50 |
| Dec.   | Amt.<br>Date | 0.69<br>27/42    | 0.96<br>27/42    | 1.11<br>27/42    | 1.80<br>31/47    | 2.75<br>31/47    | 3.05<br>31-1/47  |
| Annual | Amt.<br>Date | 1.45<br>8/6/42   | 1.88<br>8/16/46  | 2.09<br>8/16/46  | 2.25<br>8/16/46  | 3.20<br>1/3-4/50 | 4.25<br>1/3-4/50 |

U. S. WEATHER BUREAU

Station: CRETE

Drainage basin: LAKE MICHIGAN

County: WILL

Lat. 41° 27' Long. 87° 38'

Elev.(ft.) 675

Period of record: 1942-1950

| Month  |              | Duration (hours) |                 |                 |                  |                  |                    |
|--------|--------------|------------------|-----------------|-----------------|------------------|------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.38<br>23/50    | 0.72<br>29/47   | 0.87<br>29/47   | 0.97<br>29-30/47 | 1.25<br>18/49    | 1.33<br>29-30/47   |
| Feb.   | Amt.<br>Date | 0.39<br>5/43     | 0.66<br>5/43    | 0.87<br>5/43    | 1.02<br>5-6/43   | 1.17<br>5-6/43   | 1.27<br>27-28/48   |
| Mar.   | Amt.<br>Date | 0.58<br>30/49    | 1.04<br>14/44   | 1.40<br>14/44   | 1.62<br>14/44    | 2.22<br>14/44    | 3.83<br>14-15/44   |
| Apr.   | Amt.<br>Date | 1.05<br>5/47     | 1.48<br>5/47    | 1.90<br>5/47    | 2.48<br>5/47     | 2.75<br>4-5/47   | 3.22<br>4-5/47     |
| May    | Amt.<br>Date | 1.74<br>19/49    | 1.86<br>19/49   | 1.97<br>19/49   | 2.20<br>19/49    | 2.36<br>10/48    | 2.65<br>9-10/48    |
| Jun.   | Amt.<br>Date | 0.71<br>12/46    | 1.20<br>1/47    | 1.74<br>1/47    | 2.47<br>2/50     | 2.53<br>2/50     | 3.02<br>2-3/50     |
| Jul.   | Amt.<br>Date | 1.97<br>16/43    | 2.12<br>16/43   | 2.13<br>16/43   | 2.27<br>16/43    | 2.42<br>16/43    | 2.42<br>16/43      |
| Aug.   | Amt.<br>Date | 2.41<br>17/46    | 3.10<br>17/46   | 3.23<br>17/46   | 3.30<br>17/46    | 3.33<br>17/46    | 3.33<br>17/46      |
| Sep.   | Amt.<br>Date | 1.40<br>11/47    | 1.71<br>11/47   | 1.74<br>11/47   | 1.76<br>11/47    | 1.77<br>11/47    | 1.81<br>10-11/47   |
| Oct.   | Amt.<br>Date | 0.45<br>2/44     | 0.68<br>27/47   | 0.74<br>27/47   | 0.86<br>27/47    | 1.19<br>26-27/47 | 1.56<br>26-27/47   |
| Nov.   | Amt.<br>Date | 0.57<br>20/42    | 0.73<br>20/42   | 0.80<br>20/42   | 1.06<br>3/46     | 1.55<br>2-3/46   | 1.67<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.40<br>11/49    | 0.60<br>21/49   | 0.85<br>21/49   | 1.35<br>21/49    | 2.10<br>21/49    | 2.57<br>20-21/49   |
| Annual | Amt.<br>Date | 2.41<br>8/17/46  | 3.10<br>8/17/46 | 3.23<br>8/17/46 | 3.30<br>8/17/46  | 3.33<br>8/17/46  | 3.83<br>3/14-15/44 |

U. S. WEATHER BUREAU

Station: DANVILLE,

Drainage basin: WABASH

County: VERMILION

Lat. 40° 08' Long. 87° 38'

Elev.(ft.) 602

Period of record: 1940-1950 (BREAKS)

| Month  |              | Duration (hours) |                  |                  |                  |                  |                    |
|--------|--------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.60<br>29/47    | 0.93<br>3/50     | 1.13<br>3/50     | 1.65<br>18/49    | 2.17<br>18/49    | 3.34<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.48<br>14/49    | 0.72<br>14/49    | 0.93<br>14/49    | 1.32<br>14-15/49 | 1.84<br>14-15/49 | 1.94<br>14-15/49   |
| Mar.   | Amt.<br>Date | 0.55<br>19/48    | 0.63<br>26/49    | 0.78<br>25/45    | 1.06<br>26/49    | 1.74<br>26/49    | 1.91<br>26-27/49   |
| Apr.   | Amt.<br>Date | 0.46<br>26/45    | 0.64<br>26/45    | 0.76<br>26/45    | 1.11<br>30-1/40  | 1.59<br>30-1/40  | 1.85<br>30-1/40    |
| May    | Amt.<br>Date | 0.93<br>17/43    | 1.68<br>16-17/43 | 2.08<br>16-17/43 | 2.79<br>16-17/43 | 3.55<br>16-17/43 | 4.12<br>16-17/43   |
| Jun.   | Amt.<br>Date | 2.21<br>26/46    | 2.22<br>26/46    | 2.22<br>26/46    | 2.22<br>26/46    | 2.42<br>11-12/46 | 2.44<br>11-12/46   |
| Jul.   | Amt.<br>Date | 1.37<br>17/50    | 1.71<br>4/43     | 1.72<br>4/43     | 1.72<br>4/43     | 1.72<br>4/43     | 2.10<br>3-4/43     |
| Aug.   | Amt.<br>Date | 1.56<br>3/43     | 2.08<br>3/43     | 2.26<br>3/43     | 2.80<br>3/43     | 3.60<br>2-3/43   | 3.63<br>2-3/43     |
| Sep.   | Amt.<br>Date | 1.12<br>22/45    | 1.33<br>20/50    | 1.54<br>19-20/50 | 1.93<br>19-20/50 | 1.93<br>19-20/50 | 2.28<br>19-20/50   |
| Oct.   | Amt.<br>Date | 1.25<br>9/41     | 1.45<br>9/41     | 1.62<br>9/41     | 1.65<br>9/41     | 2.40<br>26-27/47 | 3.15<br>26-27/47   |
| Nov.   | Amt.<br>Date | 0.43<br>11/40    | 0.73<br>11/40    | 0.88<br>11/40    | 1.37<br>19/50    | 1.52<br>19-20/50 | 1.52<br>19-20/50   |
| Dec.   | Amt.<br>Date | 0.52<br>27/42    | 0.71<br>12/46    | 1.02<br>12/46    | 1.16<br>12/46    | 1.36<br>11-12/46 | 1.93<br>21-22/49   |
| Annual | Amt.<br>Date | 2.21<br>6/26/46  | 2.22<br>6/26/46  | 2.26<br>8/3/43   | 2.80<br>8/3/43   | 3.60<br>8/2-3/43 | 4.12<br>5/16-17/43 |

U.S. WEATHER BUREAU

Station: DIONA

Drainage basin: WABASH

County: COLES

Lat. 39° 22' Long. 88° 08'

Elev.(ft.) 660

Period of record: 1944-1950

| Month  |              | Duration (hours) |                    |                    |                    |                    |                    |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.66<br>29/47    | 1.16<br>29/47      | 1.36<br>29-30/47   | 1.93<br>18/49      | 2.43<br>18/49      | 3.88<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.42<br>14/49    | 0.73<br>14/49      | 0.98<br>14/49      | 1.25<br>14-15/49   | 1.73<br>14/49      | 2.30<br>13/46      |
| Mar.   | Amt.<br>Date | 0.47<br>26/50    | 0.87E<br>26/48     | 1.09E<br>26/48     | 1.50E<br>26/48     | 1.97<br>30-31/45   | 2.40<br>26/48      |
| Apr.   | Amt.<br>Date | 0.77<br>3/50     | 1.39<br>3/50       | 1.48<br>3/50       | 1.53<br>3-4/50     | 1.79<br>3-4/50     | 2.08<br>30-1/46    |
| May    | Amt.<br>Date | 0.98<br>20/47    | 1.32<br>20/47      | 1.44<br>20/47      | 1.82<br>20/47      | 2.03<br>20-21/47   | 2.10<br>1/46       |
| Jun.   | Amt.<br>Date | 1.48<br>9/45     | 1.78<br>9/45       | 2.26<br>9/45       | 2.51<br>9/45       | 2.54<br>9/45       | 2.55<br>9-10/45    |
| Jul.   | Amt.<br>Date | 1.98<br>23/49    | 2.04<br>23/49      | 2.04<br>2-3/50     | 2.80<br>2-3/50     | 3.36<br>2-3/50     | 3.36<br>2-3/50     |
| Aug.   | Amt.<br>Date | 1.18<br>5/46     | 1.93<br>5/45       | 2.10<br>5/45       | 2.21<br>5-6/45     | 2.39<br>31-1/50    | 3.02<br>31-1/50    |
| Sep.   | Amt.<br>Date | 1.11<br>2/47     | 1.43<br>21/47      | 1.77<br>21/47      | 1.94<br>21/47      | 2.39<br>31-1/50    | 3.02<br>31-1/50    |
| Oct.   | Amt.<br>Date | 0.90<br>11/49    | 1.10<br>11/49      | 1.33<br>5-6/49     | 1.86<br>5-6/49     | 2.42<br>5-6/49     | 4.17<br>11/49      |
| Nov.   | Amt.<br>Date | 0.62<br>8/50     | 0.79<br>8/50       | 0.82<br>9-10/46    | 1.24<br>2/48       | 1.52<br>1/46       | 1.93<br>31-1/46    |
| Dec.   | Amt.<br>Date | 0.40<br>31/46    | 0.60<br>31/47-1/48 | 0.76<br>31/47-1/48 | 1.24<br>31/47-1/48 | 1.56<br>31/47-1/48 | 1.73<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.98<br>7/23/49  | 2.04<br>7/23/49    | 2.26<br>6/9/45     | 2.80<br>7/2-3/50   | 3.36<br>7/2-3/50   | 4.17<br>10/11/49   |

U.S. WEATHER BUREAU

Station: DOUGLAS

Drainage basin: ILLINOIS

County: KNOX

Lat. 40° 47' Long. 90° 05'

Elev.(ft.) 650

Period of record: 1940-1950 (BREAKS)

| Month  |              | Duration (hours) |                  |                  |                  |                  |                    |
|--------|--------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.32E<br>29/47   | 0.63<br>29/47    | 0.84<br>29/47    | 0.90<br>23-24/50 | 1.26<br>12-13/50 | 1.30<br>12-13/50   |
| Feb.   | Amt.<br>Date | 0.42<br>6/42     | 0.65<br>5-6/42   | 0.88<br>6/42     | 1.46<br>5-6/42   | 2.20<br>5-6/42   | 2.58<br>5-6/42     |
| Mar.   | Amt.<br>Date | 0.95<br>19/48    | 1.05<br>19/48    | 1.29<br>19/48    | 1.96<br>19/48    | 2.19<br>19/48    | 2.29<br>18-19/48   |
| Apr.   | Amt.<br>Date | 1.00<br>21/44    | 1.50<br>24/50    | 1.79<br>22-23/44 | 2.18<br>24/50    | 3.38<br>24/50    | 4.03<br>24/50      |
| May    | Amt.<br>Date | 1.43<br>30/41    | 1.62<br>14/41    | 2.26<br>14/41    | 2.84<br>14/41    | 2.85<br>14/41    | 2.85<br>14/41      |
| Jun.   | Amt.<br>Date | 1.13<br>15/45    | 1.81<br>15/45    | 1.95<br>15/45    | 2.11<br>15-16/45 | 3.43<br>15-16/45 | 3.58<br>15/-56     |
| Jul.   | Amt.<br>Date | 1.18<br>5/42     | 1.88<br>17/50    | 2.55<br>17/50    | 3.62<br>17/50    | 4.58<br>17/50    | 7.50<br>16-17/50   |
| Aug.   | Amt.<br>Date | 1.32<br>11/45    | 1.47<br>11/45    | 2.18<br>11/45    | 2.30<br>11/45    | 2.30<br>11/45    | 2.37E<br>11/45     |
| Sep.   | Amt.<br>Date | 0.66<br>25/41    | 1.03<br>24-25/41 | 1.33<br>24-25/41 | 1.74<br>24-25/41 | 1.80<br>24-25/41 | 1.80<br>24-25/41   |
| Oct.   | Amt.<br>Date | 0.49<br>6/41     | 0.79<br>6/41     | 0.99<br>9/41     | 1.25<br>17/46    | 1.69<br>6/41     | 2.13<br>2-3/41     |
| Nov.   | Amt.<br>Date | 0.38<br>3/46     | 0.49<br>2/46     | 0.63<br>21/42    | 1.08<br>2-3/46   | 1.71<br>2-3/46   | 1.76<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.53<br>26/42    | 0.72<br>26/42    | 0.92<br>26/42    | 1.15<br>26-27/42 | 1.64<br>26-27/42 | 1.90<br>26-27/42   |
| Annual | Amt.<br>Date | 1.43<br>5/30/41  | 1.88<br>7/17/50  | 2.55<br>7/17/50  | 3.62<br>7/17/50  | 4.58<br>7/17/50  | 7.50<br>7/16-17/50 |

U. S. WEATHER BUREAU

Station: DOWNS

Drainage basin: ILLINOIS

County: McLEAN

Lat. 40° 25' Long. 88° 51'

Elev.(ft.) 794

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                  |                  |
|--------|--------------|------------------|-----------------|-----------------|------------------|------------------|------------------|
|        |              | 1                | 2               | 3               | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.93<br>25/50    | 1.03<br>25/50   | 1.03<br>25/50   | 1.05<br>23/50    | 1.38<br>23-24/50 | 1.38<br>23-24/50 |
| Feb.   | Amt.<br>Date | 0.37<br>8/50     | 0.44<br>8/50    | 0.52<br>8/50    | 0.84<br>4/42     | 1.32<br>4/42     | 1.45<br>4/42     |
| Mar.   | Amt.<br>Date | 1.02<br>2/40     | 1.27<br>2/40    | 1.39<br>16/42   | 1.40<br>16/42    | 1.79<br>2/40     | 2.12<br>1-2/40   |
| Apr.   | Amt.<br>Date | 0.79<br>7/48     | 1.00<br>24/50   | 1.16<br>24/50   | 1.76<br>24/50    | 1.98<br>10-11/44 | 2.84<br>24-25/50 |
| May    | Amt.<br>Date | 0.89<br>16/43    | 1.00<br>16/43   | 1.10<br>16/43   | 1.32<br>16-17/43 | 1.69<br>16-17/43 | 2.08<br>16-17/43 |
| Jun.   | Amt.<br>Date | 1.00<br>20/43    | 1.39<br>11/46   | 1.51<br>9/41    | 1.51<br>9/41     | 2.74<br>11-12/46 | 2.81<br>11-12/46 |
| Jul.   | Amt.<br>Date | 1.38<br>29/49    | 1.87<br>29/49   | 2.62<br>29/49   | 3.69<br>29/49    | 3.71<br>29/49    | 3.71<br>29/49    |
| Aug.   | Amt.<br>Date | 2.17<br>3/43     | 2.33<br>3/43    | 2.50<br>3/43    | 3.43<br>3/43     | 4.78<br>2-3/43   | 4.83<br>2-3/43   |
| Sep.   | Amt.<br>Date | 2.23<br>19/45    | 2.57<br>19/45   | 2.81<br>19/45   | 2.83<br>19/45    | 3.00<br>19/45    | 3.00<br>19/45    |
| Oct.   | Amt.<br>Date | 1.01<br>26/47    | 1.62<br>26/47   | 1.72<br>17/46   | 2.38<br>17/46    | 3.57<br>4-5/41   | 4.09<br>4-5/41   |
| Nov.   | Amt.<br>Date | 0.80<br>9/42     | 1.02<br>9/42    | 1.25<br>9/42    | 1.47<br>9/42     | 1.84<br>9/42     | 2.32<br>9/42     |
| Dec.   | Amt.<br>Date | 0.68<br>26/42    | 0.69<br>26/42   | 0.88<br>21/49   | 1.40<br>21/49    | 2.19<br>21/49    | 2.84<br>20-21/49 |
| Annual | Amt.<br>Date | 2.23<br>9/19/45  | 2.57<br>9/19/45 | 2.81<br>9/19/45 | 3.69<br>7/29/49  | 4.78<br>8/2-3/43 | 4.83<br>8/2-3/43 |

U.S. WEATHER BUREAU

Station: DWIGHT

Drainage basin: ILLINOIS

County: LIVINGSTON

Lat. 41° 06' Long. 88° 25'

Elev.(ft.) 641

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                 |                   |                    |                    |
|--------|--------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3               | 6                 | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.60<br>25/50    | 0.73E<br>29/47   | 0.86E<br>29/47  | 1.02E<br>29-30/47 | 1.13<br>12-13/50   | 1.37<br>29-30/47   |
| Feb.   | Amt.<br>Date | 0.35<br>5/43     | 0.60<br>5/43     | 0.80<br>5/43    | 1.18<br>6/42      | 2.04<br>6/42       | 2.41<br>6/42       |
| Mar.   | Amt.<br>Date | 0.43<br>14/44    | 0.69<br>14/44    | 0.80<br>14/44   | 1.19<br>14-15/44  | 1.66<br>14-15/44   | 2.74<br>14-15/44   |
| Apr.   | Amt.<br>Date | 1.76<br>5/47     | 1.86<br>5/47     | 1.92<br>5/47    | 2.38<br>29/40     | 2.48<br>4-5/47     | 2.93<br>4-5/47     |
| May    | Amt.<br>Date | 0.93<br>31/41    | 1.14<br>30-31/41 | 1.39<br>14/45   | 1.57<br>14/45     | 1.90<br>14/45      | 2.29<br>10-11/43   |
| Jun.   | Amt.<br>Date | 1.87<br>6/42     | 2.05<br>6/42     | 3.01<br>12/46   | 3.13<br>12-13/46  | 3.41<br>12/46      | 3.87<br>12/46      |
| Jul.   | Amt.<br>Date | 2.82<br>6/43     | 2.92<br>6/43     | 2.96<br>6/43    | 2.99<br>6/43      | 2.99<br>6/43       | 3.19<br>16-17/50   |
| Aug.   | Amt.<br>Date | 1.80<br>27/42    | 3.07<br>27/42    | 3.27<br>27/42   | 5.13<br>27/42     | 5.45<br>26-27/42   | 5.78<br>26-27/42   |
| Sep.   | Amt.<br>Date | 1.11<br>11/47    | 1.90<br>11/47    | 2.69<br>11/47   | 2.73<br>11/47     | 2.73<br>11/47      | 2.91<br>10-11/47   |
| Oct.   | Amt.<br>Date | 0.61<br>26/47    | 0.88<br>6/41     | 1.28<br>6/41    | 1.82<br>6/41      | 2.55<br>6/41       | 2.86<br>6-7/41     |
| Nov.   | Amt.<br>Date | 0.58<br>12/45    | 0.68<br>12/45    | 0.73<br>12/45   | 0.90<br>27/45     | 1.16<br>2-3/46     | 1.17<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.66<br>21/49    | 0.91<br>21/49    | 1.09<br>21/49   | 1.49<br>21/49     | 2.07<br>21/49      | 3.31<br>20-21/49   |
| Annual | Amt.<br>Date | 2.82<br>7/6/43   | 3.07<br>8/27/42  | 3.27<br>8/27/42 | 5.13<br>8/27/42   | 5.45<br>8/26-27/42 | 5.78<br>8/26-27/42 |



U. S. WEATHER BUREAU

Station: EDELSTEIN\*

Drainage basin: ILLINOIS

County: PEORIA

Lat. 40 ° 58' Long. 89° 38'

Elev.(ft.) 828

Period of record: 1943-1950

| Month  |              | Duration (hours)           |                 |                  |                  |                    |                    |
|--------|--------------|----------------------------|-----------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                          | 2               | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.40<br>9/46               | 0.55<br>9/46    | 0.67<br>5/46     | 0.99<br>8-9/46   | 1.10<br>8-9/46     | 1.43<br>4-5/46     |
| Feb.   | Amt.<br>Date | 0.31<br>5/43               | 0.41<br>27/48   | 0.55<br>12-13/49 | 0.75<br>27/48    | 1.12<br>27/48      | 1.19<br>27-28/48   |
| Mar.   | Amt.<br>Date | 0.74<br>19/48              | 1.17<br>19/48   | 1.45<br>19/48    | 2.02<br>19/48    | 2.71<br>18-19/48   | 2.78<br>18-19/48   |
| Apr.   | Amt.<br>Date | 0.79<br>29/47              | 1.11<br>29/47   | 1.14<br>29/47    | 1.45<br>23-24/50 | 2.08<br>23-24/50   | 3.53<br>23-24/50   |
| May    | Amt.<br>Date | 0.58<br>7/43               | 0.95<br>7/45    | 1.23<br>7/43     | 1.56<br>7/45     | 1.77<br>7/45       | 2.03<br>1-2/46     |
| Jun.   | Amt.<br>Date | 0.95<br>13/50              | 1.51<br>30/47   | 1.51<br>30/47    | 1.65<br>3/43     | 2.13<br>3-4/43     | 2.15<br>18-19/50   |
| Jul.   | Amt.<br>Date | 0.94<br>5/43               | 0.98<br>5/43    | 1.01<br>5/43     | 1.11<br>5/43     | 1.14<br>5/43       | 1.46<br>4-5/43     |
| Aug.   | Amt.<br>Date | 0.69<br>15/44              | 1.11<br>5/46    | 1.18<br>15-16/44 | 1.35<br>15-16/44 | 1.41<br>15-16/44   | 1.68<br>15-16/44   |
| Sep.   | Amt.<br>Date | 0.65<br>28/45              | 0.88<br>28/45   | 1.03<br>28/45    | 1.27<br>21/47    | 1.37<br>11-12/44   | 1.81<br>11-12/44   |
| Oct.   | Amt.<br>Date | 0.43 <sup>a</sup><br>18/46 | 0.83<br>5-6/49  | 1.16<br>5-6/49   | 1.65<br>5-6/49   | 1.84<br>17-18/46   | 2.29<br>17-18/46   |
| Nov.   | Amt.<br>Date | 0.46<br>3/46               | 0.92<br>3/46    | 1.10<br>3/46     | 1.46<br>2-3/46   | 2.02<br>2-3/46     | 2.02<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.32<br>20/49              | 0.51<br>21/49   | 0.64<br>21/49    | 0.91<br>21/49    | 1.35<br>12/46      | 2.07<br>20-21/49   |
| Annual | Amt.<br>Date | 0.95<br>6/13/50            | 1.51<br>6/30/47 | 1.51<br>6/30/47  | 2.02<br>3/19/48  | 2.71<br>3/18-19/48 | 3.53<br>4/23-24/50 |

\*Formerly Lawn Ridge

a Also 5/49

U. S. WEATHER BUREAU

Station: EFFINGHAM

Drainage basin: WABASH

County: EFFINGHAM

Lat. 39° 09' Long. 88° 32'

Elev.(ft.) 612

Period of record: 1941-1950

| Month  |              | Duration (hours) |                            |                  |                  |                    |                    |
|--------|--------------|------------------|----------------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                          | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.97<br>29/47    | 1.19<br>29/47              | 1.34<br>29-30/47 | 1.76<br>3/50     | 2.84<br>3-4/50     | 4.56<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.62<br>14/49    | 0.85<br>14/49              | 1.05<br>14/49    | 1.32<br>14-15/49 | 2.04<br>12-13/50   | 2.41<br>12-13/50   |
| Mar.   | Amt.<br>Date | 0.63<br>17/46    | 1.36<br>26/48              | 1.42<br>26/48    | 1.53<br>30/45    | 2.24<br>30-31/45   | 2.73<br>30-31/45   |
| Apr.   | Amt.<br>Date | 1.20<br>3/50     | 1.65<br>3/50               | 1.87<br>3/50     | 1.90<br>3-4/50   | 2.21<br>3-4/50     | 4.04<br>30-1/46    |
| May    | Amt.<br>Date | 1.08<br>27/44    | 1.20 <sup>a</sup><br>14/45 | 1.46<br>14/45    | 2.00<br>7/43     | 3.09<br>7/43       | 4.38<br>1-2/46     |
| Jun.   | Amt.<br>Date | 1.48<br>9/45     | 1.91<br>9/45               | 2.26<br>9/45     | 2.44<br>9/45     | 2.69<br>9/45       | 2.91<br>15-16/45   |
| Jul.   | Amt.<br>Date | 1.38<br>9/42     | 1.65<br>3/50               | 2.50<br>3/50     | 2.69<br>3/50     | 2.75<br>2-3/50     | 2.78<br>2-3/50     |
| Aug.   | Amt.<br>Date | 1.40<br>11/45    | 2.14<br>2/42               | 2.19<br>2/42     | 2.70<br>2-3/42   | 2.76<br>2-3/42     | 3.01<br>11-12/45   |
| Sep.   | Amt.<br>Date | 1.14<br>11/44    | 1.29<br>11/44              | 1.29<br>11/44    | 1.69<br>12/49    | 1.71<br>12/49      | 1.89<br>31-1/50    |
| Oct.   | Amt.<br>Date | 0.75<br>11/49    | 1.28<br>30/42              | 1.70<br>30/42    | 2.26<br>29-30/42 | 3.00<br>31-1/46    | 4.24<br>10-11/49   |
| Nov.   | Amt.<br>Date | 0.99<br>17/42    | 1.87<br>17/42              | 2.03<br>17/42    | 2.44<br>1/46     | 3.00<br>31-1/46    | 3.55<br>31-1/46    |
| Dec.   | Amt.<br>Date | 0.54<br>27/42    | 0.76<br>27/42              | 0.97<br>27/42    | 1.27<br>31/47    | 1.75<br>31/47-1/48 | 2.13<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.48<br>6/9/45   | 2.14<br>8/2/42             | 2.50<br>7/3/50   | 2.70<br>8/2-3/42 | 3.09<br>5/7/43     | 4.56<br>1/3-4/50   |

<sup>a</sup>Also 21/49

U. S. WEATHER BUREAU

Station: EVANSTON, PUMP STA

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 42° 02' Long. 87° 41'

Elev.(ft.) 625

Period of record: 1941-1950

| Month  |              | Duration (hours)           |                           |                  |                  |                  |                  |
|--------|--------------|----------------------------|---------------------------|------------------|------------------|------------------|------------------|
|        |              | 1                          | 2                         | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.38<br>27/44              | 0.48<br>13/50             | 0.62<br>13/50    | 0.93<br>13/50    | 1.43<br>13/50    | 1.45<br>12-13/50 |
| Feb.   | Amt.<br>Date | 0.28 <sup>a</sup><br>27/48 | 0.51<br>13/49             | 0.70<br>13/49    | 1.19<br>12-13/49 | 1.29<br>12-13/49 | 1.29<br>12-13/49 |
| Mar.   | Amt.<br>Date | 0.76<br>19/48              | 1.49<br>19/48             | 1.68<br>19/48    | 2.16<br>19/48    | 3.07<br>19/48    | 3.16<br>19/48    |
| Apr.   | Amt.<br>Date | 0.61<br>25/50              | 1.19<br>25/50             | 1.39<br>23-24/50 | 2.08<br>24-25/50 | 2.24<br>24-25/50 | 2.40<br>19-20/47 |
| May    | Amt.<br>Date | 1.15<br>31/42              | 1.63<br>31/42             | 1.63<br>31/42    | 1.69<br>31/42    | 2.53<br>31-1/42  | 3.43<br>31/42    |
| Jun.   | Amt.<br>Date | 1.11 <sup>b</sup><br>10/42 | 1.75<br>10/42             | 2.14<br>14/49    | 2.49<br>14-15/49 | 2.85<br>14-15/49 | 3.64<br>14-15/49 |
| Jul.   | Amt.<br>Date | 2.10<br>6/43               | 2.98<br>6/43              | 3.64<br>6/43     | 3.92<br>6/43     | 3.97<br>6/43     | 3.97<br>6/43     |
| Aug.   | Amt.<br>Date | 1.64<br>30/41              | 1.89<br>30/41             | 2.05<br>30/41    | 2.18<br>30/41    | 2.18<br>30/41    | 2.18<br>30/41    |
| Sep.   | Amt.<br>Date | 1.11<br>21/47              | 1.62<br>21/47             | 1.91<br>21/47    | 2.41<br>21/47    | 2.76<br>21/47    | 2.77<br>21/47    |
| Oct.   | Amt.<br>Date | 0.64<br>2/41               | 0.96<br>2/41              | 1.28<br>2/41     | 1.95<br>2-3/41   | 2.87<br>2-3/41   | 3.25<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.37<br>9/42               | 0.48 <sup>c</sup><br>9/42 | 0.64<br>3/46     | 1.12<br>3/46     | 1.69<br>3/46     | 1.80<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.34<br>21/49              | 0.60<br>21/49             | 0.73<br>21/49    | 0.94<br>21/49    | 1.34<br>27/42    | 1.87<br>20-21/49 |
| Annual | Amt.<br>Date | 2.10<br>7/6/43             | 2.98<br>7/6/43            | 3.64<br>7/6/43   | 3.92<br>7/6/43   | 3.97<br>7/6/43   | 3.97<br>7/6/43   |

<sup>a</sup>Also 13/49

<sup>b</sup>Also 12/44

<sup>c</sup>Also 3/46

U. S. WEATHER BUREAU

Station: FAIRBURY

Drainage basin: ILLINOIS

County: LIVINGSTON

Lat. 40° 44' Long. 88° 31'

Elev.(ft.) 691

Period of record: 1941-1950

| Month  |              | Duration (hours) |                |                |                  |                  |                  |
|--------|--------------|------------------|----------------|----------------|------------------|------------------|------------------|
|        |              | 1                | 2              | 3              | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.76<br>25/50    | 0.89<br>29/47  | 1.19<br>29/47  | 1.40<br>29-30/47 | 1.85<br>23-24/50 | 1.95<br>23-24/50 |
| Feb.   | Amt.<br>Date | 0.23<br>13/46    | 0.42<br>13/46  | 0.53<br>6/42   | 0.88<br>6/42     | 1.55<br>6/42     | 2.31<br>5-6/42   |
| Mar.   | Amt.<br>Date | 0.68<br>21/48    | 0.99<br>16/42  | 1.01<br>21/48  | 1.11<br>21/48    | 1.26<br>14-15/44 | 1.78<br>14-15/44 |
| Apr.   | Amt.<br>Date | 0.75<br>6/48     | 1.20<br>6/48   | 1.37<br>22/44  | 1.47<br>21-22/44 | 1.88<br>10-11/44 | 2.66<br>24-25/50 |
| May    | Amt.<br>Date | 0.86<br>25/49    | 1.06<br>7/45   | 1.15<br>7/45   | 1.53<br>11/43    | 1.77<br>7/45     | 2.09<br>10-11/41 |
| Jun.   | Amt.<br>Date | 1.35<br>14/49    | 1.86<br>11/41  | 1.93<br>11/41  | 2.23<br>11/41    | 2.48<br>11/41    | 2.90<br>10-11/43 |
| Jul.   | Amt.<br>Date | 2.51<br>9/46     | 2.53<br>9/46   | 2.55<br>9/46   | 2.60<br>9/46     | 2.60<br>9/46     | 4.31<br>9-10/46  |
| Aug.   | Amt.<br>Date | 2.45<br>3/43     | 4.15<br>3/43   | 4.19<br>3/43   | 4.20<br>3-4/43   | 4.20<br>3-4/43   | 6.97<br>2-3/43   |
| Sep.   | Amt.<br>Date | 1.10<br>21/50    | 1.10<br>21/50  | 1.11<br>28/45  | 1.30<br>21/47    | 1.46<br>13/45    | 1.84<br>12-13/45 |
| Oct.   | Amt.<br>Date | 1.39<br>4/41     | 2.09<br>4/41   | 2.34<br>4/41   | 2.99<br>4/41     | 3.68<br>4/41     | 4.09<br>4-5/41   |
| Nov.   | Amt.<br>Date | 0.60<br>9/42     | 0.88<br>9/42   | 0.98<br>9/42   | 1.02<br>9/42     | 1.43<br>9/42     | 1.98<br>9/42     |
| Dec.   | Amt.<br>Date | 0.52<br>21/49    | 0.73<br>21/49  | 0.87<br>21/49  | 1.58<br>21/49    | 2.47<br>21/49    | 3.53<br>20-21/49 |
| Annual | Amt.<br>Date | 2.51<br>7/9/46   | 4.15<br>8/3/43 | 4.19<br>8/3/43 | 4.20<br>8/3-4/43 | 4.20<br>8/3-4/43 | 6.97<br>8/2-3/43 |

U. S. WEATHER BUREAU

Station: FAIRFIELD

Drainage basin: WABASH

County: WAYNE

Lat. 38° 23' Long. 88° 22'

Elev.(ft.) 451

Period of record: 1940-1944 (BREAKS)

| Month  |              | Duration (hours) |                  |                  |                  |                    |                    |
|--------|--------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.17<br>16/41    | 0.29<br>1/42     | 0.40<br>1/42     | 0.55<br>23-24/41 | 0.62<br>1/42       | 0.64<br>23-24/41   |
| Feb.   | Amt.<br>Date | 0.30<br>10/40    | 0.42<br>10/40    | 0.50<br>25/44    | 0.72<br>18/40    | 1.02<br>18/40      | 1.31<br>18-19/40   |
| Mar.   | Amt.<br>Date | 0.50<br>26/44    | 0.70<br>26/44    | 0.85<br>26/44    | 0.91<br>26-27/44 | 1.06<br>8/42       | 1.48<br>7-8/42     |
| Apr.   | Amt.<br>Date | 0.71<br>22/44    | 1.20<br>22/44    | 1.29<br>22/44    | 1.46<br>19/40    | 2.53<br>22-23/44   | 2.82<br>22-23/44   |
| May    | Amt.<br>Date | 1.03<br>10/43    | 1.59<br>10/43    | 1.77<br>10/43    | 2.36<br>10/43    | 3.04<br>10-11/43   | 3.98<br>10-11/43   |
| Jun.   | Amt.<br>Date | 1.12<br>21/42    | 1.54<br>21/42    | 1.58<br>21/42    | 1.60<br>21/42    | 1.60<br>21/42      | 1.61<br>8-9/41     |
| Jul.   | Amt.<br>Date | 1.01<br>4/43     | 1.02<br>4-5/43   | 1.02<br>4-5/43   | 1.02<br>4-5/43   | 1.02<br>4-5/43     | 1.02<br>4-5/43     |
| Aug.   | Amt.<br>Date | 0.95<br>17/40    | 1.04<br>17/40    | 1.04<br>17/40    | 1.05<br>17/40    | 1.05<br>17/40      | 1.35<br>17-18/40   |
| Sep.   | Amt.<br>Date | 0.93<br>17/41    | 1.19<br>17/41    | 1.23<br>17/41    | 1.32<br>12-13/43 | 2.16<br>12-13/43   | 2.69<br>12-13/43   |
| Oct.   | Amt.<br>Date | 1.86<br>14/41    | 2.10<br>14/41    | 2.27<br>14/41    | 2.43<br>14/41    | 2.49<br>14-15/41   | 2.61<br>14-15/41   |
| Nov.   | Amt.<br>Date | 0.44<br>26/40    | 0.72<br>16/42    | 0.74<br>16-17/42 | 0.86<br>11/40    | 0.91<br>10-11/40   | 1.53E<br>7-8/43    |
| Dec.   | Amt.<br>Date | 0.25<br>22/41    | 0.49<br>22/41    | 0.72<br>22/41    | 1.25<br>22/41    | 1.45<br>22/41      | 1.68<br>22-23/41   |
| Annual | Amt.<br>Date | 1.86<br>10/14/41 | 2.10<br>10/14/41 | 2.27<br>10/14/41 | 2.43<br>10/14/41 | 3.04<br>5/10-11/43 | 3.98<br>5/10-11/43 |

U.S. WEATHER BUREAU

Station: FARMER CITY

Drainage basin: ILLINOIS

County: DE WITT

Lat. 40° 14' Long. 88° 38'

Elev.(ft.) 732

Period of record: 1942-1950

| Month  |              | Duration (hours) |                    |                    |                  |                  |                  |
|--------|--------------|------------------|--------------------|--------------------|------------------|------------------|------------------|
|        |              | 1                | 2                  | 3                  | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.63<br>25/50    | 0.93<br>25/50      | 1.05<br>23/50      | 1.45<br>23/50    | 1.60<br>23-24/50 | 1.60<br>23-24/50 |
| Feb.   | Amt.<br>Date | 0.36<br>27/48    | 0.58<br>21/44      | 0.73<br>25/44      | 1.18<br>25/44    | 1.44<br>25/44    | 1.68<br>25/44    |
| Mar.   | Amt.<br>Date | 0.64<br>19/48    | 1.22<br>19/48      | 1.43<br>19/48      | 1.48<br>19/48    | 1.57<br>19/48    | 1.65<br>15-16/43 |
| Apr.   | Amt.<br>Date | 1.08<br>24/50    | 1.10<br>24/50      | 1.23<br>10-11/44   | 1.86<br>10-11/44 | 2.55<br>10-11/44 | 2.80<br>10-11/44 |
| May    | Amt.<br>Date | 1.79<br>29/44    | 1.92<br>29/44      | 1.99<br>29/44      | 2.01<br>29/44    | 2.01<br>29/44    | 2.45<br>17-18/43 |
| Jun.   | Amt.<br>Date | 1.01<br>11/46    | 1.62<br>18/46      | 1.92<br>18/46      | 2.06<br>18/46    | 2.11<br>15-16/45 | 2.28<br>18/46    |
| Jul.   | Amt.<br>Date | 1.90<br>19/46    | 2.05<br>19-20/46   | 2.34<br>19-20/46   | 2.42<br>19-20/46 | 2.42<br>19-20/46 | 2.42<br>19-20/46 |
| Aug.   | Amt.<br>Date | 1.23<br>5/45     | 1.54<br>3/43       | 2.13<br>3/43       | 3.13<br>3/43     | 4.02<br>2-3/43   | 4.02<br>2-3/43   |
| Sep.   | Amt.<br>Date | 0.79<br>19/45    | 0.96<br>21/47      | 1.24<br>21/47      | 1.43<br>20-21/48 | 1.66<br>20-21/48 | 1.87<br>12-13/45 |
| Oct.   | Amt.<br>Date | 0.97<br>17/46    | 1.29<br>17/46      | 1.60<br>17/46      | 2.06<br>17/46    | 2.77<br>17/46    | 3.22<br>2-3/49   |
| Nov.   | Amt.<br>Date | 0.73<br>9/42     | 1.07<br>9/42       | 1.59<br>9/42       | 1.63<br>9/42     | 1.83<br>9/42     | 2.22<br>9/42     |
| Dec.   | Amt.<br>Date | 0.50<br>21/49    | 0.67<br>21/49      | 1.10<br>21/49      | 1.55<br>21/49    | 1.97<br>21/49    | 2.98<br>21/49    |
| Annual | Amt.<br>Date | 1.90<br>7/19/46  | 2.05<br>7/19-20/46 | 2.34<br>7/19-20/46 | 3.13<br>8/3/43   | 4.02<br>8/2-3/43 | 4.02<br>8/2-3/43 |

U.S. WEATHER BUREAU

Station: FREEPORT

Drainage basin: ROCK

County: STEPHENSON

Lat. 42° 18' Long. 89° 37'

Elev.(ft.) 762

Period of record: 1941-1950

| Month  |              | Duration (hours)           |                |                  |                  |                  |                  |
|--------|--------------|----------------------------|----------------|------------------|------------------|------------------|------------------|
|        |              | 1                          | 2              | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.32<br>27/44              | 0.58<br>27/44  | 0.74<br>29/47    | 0.93<br>29/47    | 1.26<br>29/47    | 1.40<br>29-30/47 |
| Feb.   | Amt.<br>Date | 0.34<br>27/48              | 0.64<br>27/48  | 0.79<br>27/48    | 1.39<br>27/48    | 1.59<br>27/48    | 1.78<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.33 <sup>a</sup><br>25/45 | 0.45<br>15/43  | 0.62<br>19/48    | 1.11<br>19/48    | 1.64<br>18-19/48 | 1.78<br>18-19/48 |
| Apr.   | Amt.<br>Date | 0.63<br>23/50              | 0.89<br>23/50  | 1.04<br>23-24/50 | 1.24<br>23-24/50 | 1.41<br>23-24/50 | 1.79<br>23-24/50 |
| May    | Amt.<br>Date | 0.79<br>2/44               | 1.10<br>30/50  | 1.30<br>15/44    | 1.57<br>15/44    | 2.06<br>31-1/47  | 2.44<br>31-1/47  |
| Jun.   | Amt.<br>Date | 1.68<br>13/50              | 2.09<br>13/50  | 2.26<br>13/50    | 2.77<br>13/50    | 2.85<br>27-28/45 | 2.85<br>27-28/45 |
| Jul.   | Amt.<br>Date | 2.08<br>5/47               | 4.08<br>5/47   | 4.32<br>5-6/47   | 4.32<br>5-6/47   | 4.35<br>5-6/47   | 4.59<br>5-6/47   |
| Aug.   | Amt.<br>Date | 1.65<br>17/46              | 2.13<br>17/46  | 2.49<br>13/43    | 2.89<br>13/43    | 2.91<br>13/43    | 3.74<br>1-2/42   |
| Sep.   | Amt.<br>Date | 2.16<br>21/50              | 2.60<br>21/50  | 3.23<br>2/42     | 3.70<br>2/42     | 3.71<br>2/42     | 3.71<br>2/42     |
| Oct.   | Amt.<br>Date | 0.35<br>6/41               | 0.43<br>31/41  | 0.62<br>31/41    | 0.81<br>31/41    | 1.04<br>21/43    | 1.04<br>21/43    |
| Nov.   | Amt.<br>Date | 0.48<br>15/50              | 0.91<br>15/50  | 1.28<br>15/50    | 1.60<br>2-3/46   | 1.67<br>2-3/46   | 1.85<br>2-3/44   |
| Dec.   | Amt.<br>Date | 0.74<br>26/42              | 1.04<br>26/42  | 1.24<br>26/42    | 1.71<br>26/42    | 2.43<br>26-27/42 | 2.73<br>26-27/42 |
| Annual | Amt.<br>Date | 2.16<br>9/21/50            | 4.08<br>7/5/47 | 4.32<br>7/5-6/47 | 4.32<br>7/5-6/47 | 4.35<br>7/5-6/47 | 4.59<br>7/5-6/49 |

a ALSO 19/48

U. S. WEATHER BUREAU

Station: FULTON DAM

Drainage basin: MISSISSIPPI

County: WHITESIDE

Lat. 41° 54' Long. 90° 09'

Elev.(ft.) 592

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                    |                    |                    |                  |
|--------|--------------|------------------|-----------------|--------------------|--------------------|--------------------|------------------|
|        |              | 1                | 2               | 3                  | 6                  | 12                 | 24               |
| Jan.   | Amt.<br>Date | 0.37<br>9/46     | 0.56<br>9/46    | 0.69<br>27/44      | 0.78<br>27/44      | 1.38<br>29/47      | 1.38<br>29/47    |
| Feb.   | Amt.<br>Date | 0.32<br>8/50     | 0.50<br>8/50    | 0.62<br>27/48      | 1.21<br>27/48      | 1.56<br>27/48      | 1.76<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.39<br>26/48    | 0.49<br>26/49   | 0.54<br>26/49      | 0.98<br>19/48      | 1.56<br>18-19/48   | 1.70<br>18-19/48 |
| Apr.   | Amt.<br>Date | 0.63<br>23/50    | 0.95<br>23/50   | 1.15<br>23/50      | 1.26<br>23-24/50   | 1.39<br>23-24/50   | 1.92<br>23-24/50 |
| May    | Amt.<br>Date | 1.37<br>26/44    | 1.44<br>26/44   | 1.44<br>26/44      | 1.44<br>26/44      | 1.85<br>14/45      | 2.30<br>30-31/41 |
| Jun.   | Amt.<br>Date | 1.68<br>22/41    | 1.72<br>2-3/42  | 2.27<br>23/40      | 2.73<br>23/40      | 2.78<br>23/40      | 2.93<br>2-3/42   |
| Jul.   | Amt.<br>Date | 1.60<br>29/41    | 1.87<br>21/49   | 2.07<br>21/49      | 2.15<br>21/49      | 2.15<br>21/49      | 2.27<br>5-6/43   |
| Aug.   | Amt.<br>Date | 2.32<br>17/46    | 3.17<br>14/45   | 3.35<br>13-14/45   | 3.41<br>13-14/45   | 3.58<br>13-14/45   | 3.58<br>13-14/45 |
| Sep.   | Amt.<br>Date | 1.25<br>7/41     | 2.42<br>7/41    | 2.84<br>7/41       | 3.10<br>7-8/41     | 3.50<br>7-8/41     | 3.77<br>7-8/41   |
| Oct.   | Amt.<br>Date | 0.73<br>20/49    | 0.82<br>28/40   | 0.87<br>28/40      | 1.17<br>28/40      | 1.72<br>28-29/40   | 1.72<br>28-29/40 |
| Nov.   | Amt.<br>Date | 0.43<br>2/46     | 0.74<br>2-3/46  | 0.96<br>2-3/46     | 1.59<br>2-3/46     | 1.74<br>2-3/46     | 1.74<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.67<br>26/42    | 0.91<br>26/42   | 1.21<br>26/42      | 1.86<br>26/42      | 2.76<br>26/42      | 3.06<br>26-27/42 |
| Annual | Amt.<br>Date | 2.32<br>8/17/46  | 3.17<br>8/14/45 | 3.35<br>8/13-14/45 | 3.41<br>8/13-14/45 | 3.58<br>8/13-14/45 | 3.77<br>9/7-8/41 |



U. S. WEATHER BUREAU

Station: GALATIA

Drainage basin: OHIO

County: SALINE

Lat. 37° 51' Long. 88° 37'

Elev.(ft.) 410

Period of record: 1940-1950

| Month  |              | Duration (hours) |                    |                    |                    |                    |                    |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.74<br>3/50     | 1.13<br>12/31-1/48 | 1.32<br>12/31-1/48 | 1.71<br>3/50       | 2.94<br>3-4/50     | 3.61<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.50<br>13/50    | 0.85<br>14/49      | 1.05E<br>26/45     | 1.84E<br>25-26/45  | 2.86E<br>25-26/45  | 3.62E<br>25-26/45  |
| Mar.   | Amt.<br>Date | 0.77<br>6/44     | 1.06<br>26/48      | 1.27<br>26/48      | 2.06<br>18-19/43   | 2.68<br>18-19/43   | 3.27<br>5-6/45     |
| Apr.   | Amt.<br>Date | 0.85<br>2/50     | 1.25<br>2/50       | 1.46<br>10-11/44   | 2.05<br>2-3/50     | 2.36<br>2-3/50     | 2.73<br>10-11/44   |
| May    | Amt.<br>Date | 0.90<br>10/43    | 1.13<br>10/43      | 1.28<br>8/50       | 1.96<br>10/43      | 2.52<br>8-9/50     | 2.69<br>8-9/50     |
| Jun.   | Amt.<br>Date | 2.08<br>19/42    | 3.68<br>19/42      | 3.69<br>19-20/42   | 3.69<br>19-20/42   | 3.69<br>19-20/42   | 3.69<br>19-20/42   |
| Jul.   | Amt.<br>Date | 2.01<br>18/41    | 2.50<br>18/41      | 2.74<br>18/41      | 2.75<br>18/41      | 3.01<br>4-5/43     | 3.01<br>4-5/43     |
| Aug.   | Amt.<br>Date | 1.24<br>15/50    | 2.10<br>15/46      | 2.68<br>15/46      | 4.75<br>10-11/45   | 6.05<br>10-11/45   | 7.74<br>10-11/45   |
| Sep.   | Amt.<br>Date | 0.88<br>27/45    | 0.95<br>27/45      | 1.25<br>23/46      | 1.63<br>23/46      | 2.09<br>12-13/43   | 2.40<br>31-1/50    |
| Oct.   | Amt.<br>Date | 1.35<br>20/49    | 1.53<br>14/41      | 1.61<br>14/41      | 1.62<br>14/41      | 2.16<br>30-31/41   | 2.83<br>30-31/41   |
| Nov.   | Amt.<br>Date | 0.71<br>5/48     | 1.01<br>5/49       | 1.22<br>4-5/48     | 1.56<br>4-5/48     | 1.80<br>23/40      | 2.01<br>1-2/48     |
| Dec.   | Amt.<br>Date | 0.60<br>11/49    | 1.13<br>31-1/47    | 1.31<br>31-1/47    | 1.61<br>22/41      | 2.63<br>31/47-1/48 | 3.00<br>31/47-1/48 |
| Annual | Amt.<br>Date | 2.08<br>6/19/42  | 3.68<br>6/19/42    | 3.69<br>6/19-20/42 | 4.75<br>8/10-11/45 | 6.05<br>8/10-11/45 | 7.74<br>8/10-11/45 |

U.S. WEATHER BUREAU

Station: GLENDALE

Drainage basin: OHIO

County: POPE

Lat. 37° 26' Long. 88° 41'

Elev.(ft.) 500

Period of record: 1940-1950

| Month  |              | Duration (hours) |                    |                    |                    |                    |                    |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.86<br>1/48     | 1.43<br>31/47-1/48 | 1.65<br>31/47-1/48 | 1.94<br>3/50       | 3.42<br>3-4/50     | 3.90<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.66<br>8/50     | 1.09E<br>26/45     | 1.44E<br>26/45     | 1.90E<br>26/45     | 2.72E<br>26/45     | 3.76<br>12-13/50   |
| Mar.   | Amt.<br>Date | 0.92<br>17/45    | 1.22<br>19/43      | 1.62<br>19/43      | 2.89<br>18-19/43   | 3.84<br>18-19/43   | 4.46<br>18-19/43   |
| Apr.   | Amt.<br>Date | 1.06<br>11/44    | 1.73<br>11/44      | 1.96<br>10-11/44   | 2.70<br>10-11/44   | 3.55<br>8/42       | 4.57<br>8-9/42     |
| May    | Amt.<br>Date | 1.54<br>13/43    | 1.88<br>13/43      | 1.94<br>13/43      | 2.98<br>15-16/48   | 4.19<br>15-16/48   | 4.75<br>15-16/48   |
| Jun.   | Amt.<br>Date | 1.55<br>17/45    | 2.61<br>29/42      | 2.65<br>29/42      | 2.77<br>16-17/45   | 3.32<br>16-17/45   | 3.32<br>16-17/45   |
| Jul.   | Amt.<br>Date | 1.71<br>10/46    | 2.53<br>10/46      | 2.69<br>10/46      | 3.00<br>5/43       | 3.62<br>3-4/41     | 4.24<br>3-4/41     |
| Aug.   | Amt.<br>Date | 2.03<br>17/46    | 2.54<br>17-18/46   | 2.92<br>23/42      | 3.99<br>23/42      | 4.07<br>22-23/42   | 4.07<br>22-23/42   |
| Sep.   | Amt.<br>Date | 1.84<br>25/45    | 2.78<br>25/45      | 3.34<br>25/45      | 4.31<br>25/45      | 6.56<br>24-25/45   | 6.56<br>24-25/45   |
| Oct.   | Amt.<br>Date | 0.73<br>22/50    | 1.16<br>22/50      | 1.44<br>22/50      | 1.87<br>22/50      | 2.13<br>22/50      | 2.48a<br>30-31/41  |
| Nov.   | Amt.<br>Date | 0.68<br>27/45    | 1.12<br>26-27/45   | 1.26<br>26-27/45   | 1.59<br>11/40      | 1.70<br>10-11/40   | 2.12<br>25-26/46   |
| Dec.   | Amt.<br>Date | 0.72E<br>31/47   | 1.43<br>31/47-1/48 | 1.65<br>31/47-1/48 | 1.84<br>31/47-1/48 | 2.51<br>31/47-1/48 | 3.00<br>31/47-1/48 |
| Annual | Amt.<br>Date | 2.03<br>8/17/46  | 2.78<br>9/25/45    | 3.34<br>9/25/45    | 4.31<br>9/25/45    | 6.56<br>9/24-25/45 | 6.56<br>9/24-25/45 |

a ALSO 5/49

U. S. WEATHER BUREAU

Station: GOLCONDA DAM

Drainage basin: OHIO

County: POPE

Lat. 37° 22' Long. 88° 29'

Elev.(ft.) 354

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                    |                    |                    |                    |
|--------|--------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                  | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.55<br>24/49    | 0.87<br>3/50     | 1.24<br>31/47-1/48 | 1.85<br>24/48      | 2.82<br>3-4/50     | 3.57<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.58<br>13/50    | 0.97<br>13/46    | 1.22<br>13/46      | 1.91<br>12-13/50   | 2.47<br>12-13/50   | 3.71<br>12-13/50   |
| Mar.   | Amt.<br>Date | 1.00<br>26/49    | 1.37<br>26/49    | 1.80<br>27/50      | 2.72<br>26-27/50   | 3.68<br>26-27/50   | 3.73<br>26-27/50   |
| Apr.   | Amt.<br>Date | 1.10<br>11/44    | 1.97<br>11/44    | 2.12<br>11/44      | 2.43<br>10-11/44   | 2.46<br>10-11/44   | 3.39<br>8-9/42     |
| May    | Amt.<br>Date | 1.90<br>13/43    | 1.96<br>13/43    | 2.35<br>15-16/48   | 3.60<br>15-16/48   | 4.05<br>15-16/48   | 4.34<br>15-16/48   |
| Jun.   | Amt.<br>Date | 1.02<br>27/49    | 1.56<br>27/49    | 1.56<br>27/49      | 1.82<br>27/49      | 2.05<br>26-27/49   | 2.27<br>26-27/49   |
| Jul.   | Amt.<br>Date | 1.25<br>25/45    | 1.85<br>5/43     | 2.77<br>5/43       | 3.05<br>5/43       | 3.06<br>5/43       | 3.08<br>5/43       |
| Aug.   | Amt.<br>Date | 1.44<br>23/42    | 2.43<br>23/42    | 3.72<br>23/42      | 4.62<br>23/42      | 4.74<br>22-23/42   | 4.74<br>22-23/42   |
| Sep.   | Amt.<br>Date | 1.19<br>27/44    | 1.47<br>24-25/45 | 1.75<br>24-25/45   | 2.13<br>25/45      | 3.02<br>24-25/45   | 3.11<br>24-25/45   |
| Oct.   | Amt.<br>Date | 0.57<br>27/47    | 0.97<br>22/50    | 1.13<br>27/47      | 1.46<br>31-1/40    | 1.68<br>30-31/41   | 2.37<br>26-27/47   |
| Nov.   | Amt.<br>Date | 0.67<br>20/50    | 1.10<br>20/50    | 1.19<br>20/50      | 1.78<br>19-20/50   | 2.03<br>19-20/50   | 2.19<br>25-26/46   |
| Dec.   | Amt.<br>Date | 0.58<br>28/46    | 0.85<br>28/46    | 1.24<br>31/47-1/48 | 1.48<br>31/47-1/48 | 1.87<br>22/41      | 2.18<br>22-23/41   |
| Annual | Amt.<br>Date | 1.90<br>5/13/43  | 2.43<br>8/23/42  | 3.72<br>8/23/42    | 4.62<br>8/23/42    | 4.74<br>8/22-23/42 | 4.74<br>8/22-23/42 |

U. S. WEATHER BUREAU

Station: GREENFIELD\*

Drainage basin: ILLINOIS

County: GREENE

Lat. 39° 20' Long. 90° 12'

Elev.(ft.) 556

Period of record: 1940-1950

| Month  |              | Duration (hours) |                    |                    |                    |                    |                    |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.53<br>29/47    | 0.63<br>3/50       | 0.80<br>3/50       | 1.22<br>3/50       | 1.52<br>3/50       | 2.20<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.30<br>3/43     | 0.51<br>21/45      | 0.67<br>21/45      | 0.91E<br>25/44     | 1.31<br>14/49      | 1.37<br>14-15/49   |
| Mar.   | Amt.<br>Date | 0.90<br>19/48    | 0.90<br>19/48      | 0.90<br>19/48      | 1.11<br>21/48      | 1.48<br>21/48      | 1.51<br>21/48      |
| Apr.   | Amt.<br>Date | 0.80<br>2/45     | 1.23<br>2/45       | 1.78<br>2/45       | 2.39<br>2/45       | 2.85<br>1-2/45     | 3.20<br>1-2/45     |
| May    | Amt.<br>Date | 1.57<br>27/44    | 1.87<br>27/44      | 2.07<br>27/44      | 2.18<br>27/44      | 2.51<br>17/43      | 4.15<br>17-18/43   |
| Jun.   | Amt.<br>Date | 2.05<br>2/41     | 3.40<br>25-26/42   | 4.32<br>25-26/42   | 4.92<br>25-26/42   | 5.25<br>25-26/42   | 5.75<br>25-26/42   |
| Jul.   | Amt.<br>Date | 1.80<br>13/48    | 2.34<br>19/49      | 2.97<br>19-20/49   | 3.16<br>19-20/49   | 3.67<br>19-20/49   | 4.79<br>19-20/49   |
| Aug.   | Amt.<br>Date | 2.15<br>27/40    | 3.14<br>27/40      | 3.29<br>27/40      | 4.54<br>27/40      | 5.38<br>15-16/46   | 5.40<br>15-16/46   |
| Sep.   | Amt.<br>Date | 1.19<br>11/50    | 1.37<br>11/50      | 1.58<br>24/41      | 2.30<br>24-25/41   | 2.44<br>24-25/41   | 2.60<br>12-13/45   |
| Oct.   | Amt.<br>Date | 1.15<br>31/43    | 1.77<br>29-30/42   | 2.13<br>29-30/42   | 2.58<br>29-30/42   | 2.95<br>29-30/42   | 3.14<br>29-30/42   |
| Nov.   | Amt.<br>Date | 0.95<br>2/46     | 1.37<br>2/46       | 1.62<br>2/46       | 2.14<br>2/46       | 2.19<br>2-3/46     | 2.88<br>21-22/42   |
| Dec.   | Amt.<br>Date | 0.71<br>26/42    | 1.13<br>26/42      | 1.44<br>26/42      | 2.05<br>26-27/42   | 2.42<br>26-27/42   | 2.42<br>26-27/42   |
| Annual | Amt.<br>Date | 2.15<br>8/27/40  | 3.40<br>6/25-26/42 | 4.32<br>6/25-26/42 | 4.92<br>6/25-26/42 | 5.38<br>8/15-16/46 | 5.75<br>6/25-26/42 |

\*Formerly Rockbridge

U.S. WEATHER BUREAU

Station: HOOPESTON

Drainage basin: WABASH

County: VERMILION

Lat. 40° 28' Long. 87° 40'

Elev.(ft.) 717

Period of record: 1941-1950

| Month  |              | Duration (hours) |                            |                  |                  |                  |                     |
|--------|--------------|------------------|----------------------------|------------------|------------------|------------------|---------------------|
|        |              | 1                | 2                          | 3                | 6                | 12               | 24                  |
| Jan.   | Amt.<br>Date | 0.45<br>25/50    | 0.77<br>25/50              | 0.86<br>29/47    | 1.30<br>18/49    | 1.84<br>18/49    | 1.90<br>18/49       |
| Feb.   | Amt.<br>Date | 0.37<br>14/49    | 0.55<br>14/49              | 0.72<br>14/49    | 1.26<br>14/49    | 1.63<br>14/49    | 1.65<br>14-15/49    |
| Mar.   | Amt.<br>Date | 0.70<br>15/43    | 1.16<br>15/43              | 1.26<br>15/43    | 1.46<br>15/43    | 1.87<br>15-16/43 | 2.54<br>15-16/43    |
| Apr.   | Amt.<br>Date | 0.55<br>7/48     | 1.00 <sup>a</sup><br>11/44 | 1.31<br>11/44    | 1.79<br>10-11/44 | 2.04<br>10-11/44 | 2.37<br>10-11/44    |
| May    | Amt.<br>Date | 0.67<br>30/44    | 1.17<br>23/43              | 1.33<br>23/43    | 1.47<br>14/45    | 1.56<br>14/45    | 1.78<br>23-24/43    |
| Jun.   | Amt.<br>Date | 1.64<br>6/42     | 2.31<br>18/46              | 2.44<br>18/46    | 2.72<br>18/46    | 2.76<br>18/46    | 2.88<br>18/46       |
| Jul.   | Amt.<br>Date | 1.59<br>23/41    | 1.83<br>23-24/41           | 1.88<br>23-24/41 | 1.88<br>23-24/41 | 1.89<br>23-24/41 | 2.04<br>23-24/41    |
| Aug.   | Amt.<br>Date | 1.44<br>2/47     | 1.74<br>10/50              | 2.50<br>10/50    | 2.86<br>10/50    | 3.00<br>10-11/50 | 3.12<br>2-3/43      |
| Sep.   | Amt.<br>Date | 0.87<br>21/50    | 1.38<br>21/47              | 1.69<br>21/47    | 1.82<br>21/47    | 2.60<br>30-1/45  | 3.00<br>30-1/45     |
| Oct.   | Amt.<br>Date | 0.98<br>17/46    | 1.57<br>17/46              | 2.12<br>17/46    | 2.52<br>17/46    | 3.27<br>17/46    | 3.61<br>17-18/46    |
| Nov.   | Amt.<br>Date | 0.60<br>6/43     | 1.08<br>9/42               | 1.53<br>9/42     | 1.57<br>9/42     | 1.67<br>9/42     | 2.04<br>9/42        |
| Dec.   | Amt.<br>Date | 0.27<br>27/42    | 0.44<br>27/42              | 0.58<br>27/42    | 0.77<br>27/42    | 1.36<br>21/49    | 2.54<br>21/49       |
| Annual | Amt.<br>Date | 1.64<br>6/6/42   | 2.31<br>6/18/46            | 2.50<br>8/10/50  | 2.86<br>8/10/50  | 3.27<br>10/17/46 | 3.61<br>10/17-18/46 |

<sup>a</sup>Also 29/47

U. S. WEATHER BUREAU

Station: HUDSON, LAKE BLOOMINGTON

Drainage basin: ILLINOIS

County: McLEAN

Lat. 40° 40' Long. 88° 56'

Elev.(ft.) 740

Period of record: 1940-1950

| Month  |              | Duration (hours)           |                 |                |                  |                  |                  |
|--------|--------------|----------------------------|-----------------|----------------|------------------|------------------|------------------|
|        |              | 1                          | 2               | 3              | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.69<br>29/47              | 0.90<br>29/47   | 1.04<br>29/47  | 1.27<br>29-30/47 | 1.30<br>27/49    | 1.30<br>27/49    |
| Feb.   | Amt.<br>Date | 0.37<br>25/44              | 0.49<br>5-6/42  | 0.64<br>5-6/42 | 0.93<br>6/42     | 1.71<br>5-6/42   | 2.02<br>5-6/42   |
| Mar.   | Amt.<br>Date | 0.73<br>21/48              | 1.04<br>21/48   | 1.25<br>21/48  | 1.38<br>21/48    | 1.57<br>14-15/44 | 1.90<br>14-15/44 |
| Apr.   | Amt.<br>Date | 1.26<br>29/47              | 1.44<br>22/44   | 1.73<br>22/44  | 1.92<br>21-22/44 | 2.12<br>21-22/44 | 2.25<br>6-7/42   |
| May    | Amt.<br>Date | 0.87<br>23/49              | 0.98<br>6/48    | 1.10<br>6/48   | 1.47<br>7-8/43   | 1.58<br>7-8/43   | 2.11<br>10-11/43 |
| Jun.   | Amt.<br>Date | 1.06<br>25/45              | 1.56<br>11/46   | 1.62<br>11/46  | 1.64<br>11/46    | 2.39<br>11-12/46 | 2.96<br>11-12/46 |
| Jul.   | Amt.<br>Date | 0.94<br>15/42              | 0.94<br>15/42   | 1.15<br>25/48  | 1.55<br>25/48    | 1.57<br>17/50    | 2.74<br>16-17/50 |
| Aug.   | Amt.<br>Date | 2.10<br>26/42              | 2.44<br>26/42   | 2.72<br>5/45   | 4.11<br>3/43     | 6.23<br>2-3/43   | 6.38<br>2-3/43   |
| Sep.   | Amt.<br>Date | 0.72 <sup>a</sup><br>22/45 | 0.96<br>25/41   | 1.29<br>25/41  | 1.75<br>24-25/41 | 1.81<br>24-25/41 | 1.81<br>24-25/41 |
| Oct.   | Amt.<br>Date | 0.95<br>4/41               | 1.67<br>4/41    | 1.93<br>4/41   | 2.41<br>4/41     | 3.05<br>4-5/41   | 3.17<br>4-5/41   |
| Nov.   | Amt.<br>Date | 0.56<br>9/42               | 0.96<br>9/42    | 1.18<br>9/42   | 1.24<br>9/42     | 1.81<br>9/42     | 2.25<br>9/42     |
| Dec.   | Amt.<br>Date | 0.48<br>2/50               | 0.54<br>2/50    | 0.66<br>7/47   | 1.24<br>7/47     | 1.48<br>7/47     | 1.96<br>26-27/42 |
| Annual | Amt.<br>Date | 2.10<br>8/26/42            | 2.44<br>8/26/42 | 2.72<br>8/5/45 | 4.11<br>8/3/43   | 6.25<br>8/2-3/43 | 6.38<br>8/2-3/43 |

a Also 19/50

Station: HUTSONVILLE

Drainage basin: WABASH

County: CRAWFORD

Lat. 39° 07' Long. 87° 40'

Elev.(ft.) 436 E

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                    |                    |                    |
|--------|--------------|------------------|-----------------|-----------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 1.36<br>29/47    | 1.59<br>29/47   | 1.74<br>29/47   | 2.05<br>31/47-1/48 | 2.91<br>31/47-1/48 | 3.89<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.75<br>3/43     | 0.75<br>3/43    | 0.81<br>15/49   | 1.05<br>12-13/50   | 1.77<br>12-13/50   | 2.26<br>12-13/50   |
| Mar.   | Amt.<br>Date | 1.24<br>16/42    | 1.48<br>16/42   | 1.49<br>16/42   | 1.57<br>26/49      | 2.29<br>26/49      | 2.60<br>26-27/49   |
| Apr.   | Amt.<br>Date | 1.02<br>11/44    | 1.32<br>11/44   | 1.61<br>11/44   | 2.16<br>11/44      | 2.22<br>10-11/44   | 3.02<br>10-11/44   |
| May    | Amt.<br>Date | 1.65<br>10/43    | 1.87<br>10/43   | 2.12<br>10/43   | 2.62<br>10/43      | 3.20<br>10-11/43   | 4.16<br>10-11/43   |
| Jun.   | Amt.<br>Date | 1.44<br>19/42    | 1.45<br>19/42   | 1.49<br>26/42   | 1.98<br>26/42      | 2.19<br>25-26/42   | 2.19<br>25-26/42   |
| Jul.   | Amt.<br>Date | 1.50<br>25/45    | 1.76<br>25/45   | 1.76<br>25/45   | 1.78<br>25/45      | 1.80<br>25/45      | 1.80<br>25/45      |
| Aug.   | Amt.<br>Date | 1.95<br>25/47    | 2.75<br>25/47   | 3.12<br>25/47   | 4.63<br>25/47      | 4.63<br>25/47      | 4.63<br>25/47      |
| Sep.   | Amt.<br>Date | 1.12<br>7/48     | 1.35<br>14/47   | 1.82<br>14/47   | 2.98<br>31-1/50    | 4.42<br>31-1/50    | 4.55<br>31-1/50    |
| Oct.   | Amt.<br>Date | 0.94<br>17/46    | 1.17<br>17/46   | 1.25<br>17/46   | 1.38<br>17/46      | 1.94<br>17/46      | 2.25<br>17-18/46   |
| Nov.   | Amt.<br>Date | 0.75<br>17/42    | 1.01<br>17/42   | 1.06<br>17/42   | 1.66<br>7/50       | 2.01<br>7-8/50     | 2.02<br>7-8/50     |
| Dec.   | Amt.<br>Date | 0.89<br>2/50     | 1.11<br>2/50    | 1.26<br>2/50    | 2.05<br>31/47-1/48 | 2.91<br>31/47-1/48 | 3.41<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.95<br>8/25/47  | 2.75<br>8/25/47 | 3.12<br>8/25/47 | 4.63<br>8/25/47    | 4.63<br>8/25/47    | 4.63<br>8/25/47    |

Station: ILLINOIS CITY DAM

Drainage basin: MISSISSIPPI

County: ROCK ISLAND

Lat. 41° 25' Long. 91° 01'

Elev.(ft.) 554

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                    |                    |                    |
|--------|--------------|------------------|-----------------|-----------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.30<br>29/47    | 0.50<br>29/47   | 0.64<br>29/47   | 0.68<br>29/47      | 1.01<br>29/47      | 1.09<br>29/47      |
| Feb.   | Amt.<br>Date | 0.28<br>21/44    | 0.46<br>21/44   | 0.64<br>21/44   | 0.83<br>27/48      | 1.35<br>27/48      | 1.45<br>27-28/48   |
| Mar.   | Amt.<br>Date | 0.50a<br>25/45   | 0.63b<br>25/45  | 0.72<br>5/46    | 0.97<br>24-25/44   | 1.60<br>18-19/48   | 2.25<br>24-25/45   |
| Apr.   | Amt.<br>Date | 0.59<br>19/41    | 1.06<br>26/43   | 1.47<br>26/43   | 1.62<br>26-27/43   | 2.15<br>26-27/43   | 2.60<br>24/50      |
| May    | Amt.<br>Date | 1.11<br>23/44    | 1.17<br>23/44   | 1.25<br>23/44   | 1.25<br>23/44      | 1.57<br>15/43      | 2.08<br>15/43      |
| Jun.   | Amt.<br>Date | 1.45<br>21/43    | 2.57<br>21/43   | 2.59<br>21/43   | 2.59<br>21/43      | 2.59<br>21/43      | 2.86<br>18/50      |
| Jul.   | Amt.<br>Date | 1.50<br>29/49    | 2.26<br>29/49   | 3.03<br>21/48   | 3.20<br>20-21/48   | 3.20<br>20-21/48   | 3.43<br>20-21/48   |
| Aug.   | Amt.<br>Date | 1.52<br>14/46    | 2.19<br>14/46   | 2.24<br>14/46   | 2.50<br>14/46      | 2.51<br>14/46      | 2.51<br>14/46      |
| Sep.   | Amt.<br>Date | 0.87<br>20/48    | 1.08<br>20/47   | 1.71<br>20/47   | 2.72<br>20-21/47   | 4.14<br>20-21/47   | 4.20<br>20-21/47   |
| Oct.   | Amt.<br>Date | 0.55<br>4/41     | 0.98<br>4/41    | 1.00<br>4/41    | 1.23<br>20-21/43   | 1.44<br>6-7/48     | 1.59<br>6-7/48     |
| Nov.   | Amt.<br>Date | 0.59<br>2/46     | 0.79<br>2/46    | 0.95<br>2/46    | 1.44<br>2-3/46     | 1.63<br>2-3/46     | 1.72<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.55<br>26/42    | 0.97<br>26/42   | 1.47<br>26/42   | 2.38<br>26/42      | 2.78<br>26/42      | 2.97<br>26-27/42   |
| Annual | Amt.<br>Date | 1.52<br>8/14/46  | 2.57<br>6/21/43 | 3.03<br>7/21/48 | 3.20<br>7/20-21/48 | 4.14<br>9/20-21/47 | 4.20<br>9/20-21/47 |

a Also 16/46  
b Also 5/46



Station: JACKSONVILLE

Drainage basin: ILLINOIS

County: MORGAN

Lat. 39° 44' Long. 90° 14'

Elev.(ft.) 575

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                   |                  |                    |
|--------|--------------|------------------|-----------------|-----------------|-------------------|------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                 | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.34<br>3/50     | 0.49<br>3/50    | 0.58<br>3/50    | 0.73a<br>27/49    | 1.04<br>27/49    | 1.15<br>31/47-1/48 |
| Feb.   | Amt.<br>Date | 0.49<br>21/44    | 0.55<br>21/44   | 0.68<br>21/44   | 0.74<br>4/42      | 1.31<br>4/42     | 1.73<br>4/42       |
| Mar.   | Amt.<br>Date | 0.72<br>21/48    | 1.02<br>21/48   | 1.20<br>21/48   | 1.42<br>21/48     | 1.53<br>21/48    | 1.53<br>21/48      |
| Apr.   | Amt.<br>Date | 0.65<br>17/41    | 0.78b<br>10/44  | 1.14<br>10/44   | 1.64<br>10-11/44  | 2.08<br>10-11/44 | 2.45<br>10-11/44   |
| May    | Amt.<br>Date | 1.10<br>17/43    | 1.24<br>15/43   | 1.45E<br>17/43  | 1.97E<br>17-18/43 | 2.54<br>17-18/43 | 3.16<br>17-18/43   |
| Jun.   | Amt.<br>Date | 1.14<br>23/49    | 1.40<br>18/46   | 1.80<br>18/46   | 2.27<br>18/46     | 2.27<br>18/46    | 2.89<br>21/48      |
| Jul.   | Amt.<br>Date | 2.47<br>25/48    | 2.94<br>25/48   | 3.07<br>25/48   | 3.28<br>25/48     | 3.30<br>25/48    | 3.30<br>25-26/48   |
| Aug.   | Amt.<br>Date | 1.25<br>14/49    | 1.45<br>5/46    | 1.64<br>5/46    | 1.83<br>5/46      | 1.83<br>5/46     | 2.05<br>25-26/44   |
| Sep.   | Amt.<br>Date | 1.20<br>4/41     | 1.30<br>4/41    | 1.63<br>24/41   | 2.39<br>24-25/41  | 2.56<br>24-25/41 | 2.56<br>24-25/41   |
| Oct.   | Amt.<br>Date | 1.30<br>21/49    | 1.57<br>4/41    | 1.98<br>4/41    | 3.02<br>4/41      | 4.84<br>4/41     | 5.46<br>4-5/41     |
| Nov.   | Amt.<br>Date | 0.60<br>12/45    | 0.77<br>9/42    | 0.92<br>1/46    | 1.58<br>31-1/46   | 2.20<br>31-1/46  | 2.40<br>31-1/46    |
| Dec.   | Amt.<br>Date | 1.02<br>26/42    | 1.45<br>26/42   | 1.63<br>26/42   | 1.91<br>26-27/42  | 2.43<br>26-27/42 | 2.50<br>26-27/42   |
| Annual | Amt.<br>Date | 2.47<br>7/25/48  | 2.94<br>7/25/48 | 3.07<br>7/25/48 | 3.28<br>7/25/48   | 4.84<br>10/4/41  | 5.46<br>10/4-5/41  |

a Also 3/50  
b Also 2/45

U. S. WEATHER BUREAU

Station: KANKAKEE

Drainage basin: ILLINOIS

County: KANKAKEE

Lat. 41° 07' Long. 87° 52'

Elev.(ft.) 631

Period of record: 1940-1950

| Month  |              | Duration (hours)           |                |                 |                                 |                    |                    |
|--------|--------------|----------------------------|----------------|-----------------|---------------------------------|--------------------|--------------------|
|        |              | 1                          | 2              | 3               | 6                               | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.46<br>29/47              | 0.69<br>29/47  | 0.78<br>29/47   | 1.02<br>29-30/47                | 1.28<br>18/49      | 1.42<br>18-19/49   |
| Feb.   | Amt.<br>Date | 0.30<br>5/43               | 0.56<br>5/43   | 0.67<br>5/43    | 1.05<br>6/42                    | 1.88<br>6/42       | 3.53<br>6/42       |
| Mar.   | Amt.<br>Date | 0.33<br>15/43              | 0.51<br>14/46  | 0.62<br>14/46   | 0.97<br>15/43                   | 1.22<br>15/43      | 1.60<br>14-15/44   |
| Apr.   | Amt.<br>Date | 0.56<br>2/45               | 0.81<br>26/43  | 1.27<br>11/44   | 1.78<br>10-11/44                | 2.18<br>10-11/44   | 2.57<br>10-11/44   |
| May    | Amt.<br>Date | 1.53<br>27/44              | 1.55<br>27/44  | 1.55<br>27/44   | 1.55<br>27/44                   | 1.55<br>27/44      | 1.94<br>10-11/43   |
| Jun.   | Amt.<br>Date | 1.04<br>7/47               | 1.19<br>7/47   | 1.29<br>7/47    | 1.35<br>7/47                    | 1.38<br>7/47       | 2.28<br>7/47       |
| Jul.   | Amt.<br>Date | 0.98 <sup>a</sup><br>16/43 | 1.55<br>23/41  | 1.72<br>23/41   | 1.94<br>23/41                   | 1.94<br>23/41      | 2.61<br>21-22/49   |
| Aug.   | Amt.<br>Date | 1.87<br>7/42               | 2.29<br>7/42   | 2.34<br>7/42    | 3.08 <sup>E</sup><br>26-27/42   | 4.85<br>26-27/42   | 4.91<br>26-27/42   |
| Sep.   | Amt.<br>Date | 0.86<br>19/50              | 1.12<br>19/50  | 1.28<br>19/50   | 1.28<br>19/50                   | 1.44<br>24/45      | 1.46<br>21/47      |
| Oct.   | Amt.<br>Date | 2.21<br>26/47              | 2.22<br>26/47  | 2.43<br>4/41    | 2.81<br>4/41                    | 3.26<br>4-5/41     | 3.36<br>4-5/41     |
| Nov.   | Amt.<br>Date | 0.57<br>19/41              | 0.69<br>19/41  | 0.74<br>19/41   | 0.89<br>9/42                    | 1.17<br>9/42       | 1.42<br>9-10/42    |
| Dec.   | Amt.<br>Date | 0.41<br>15/48              | 0.77<br>15/48  | 1.01<br>12/46   | 1.51<br>12/46                   | 2.37<br>21/49      | 3.12<br>21/49      |
| Annual | Amt.<br>Date | 2.21<br>10/26/47           | 2.29<br>8/7/42 | 2.43<br>10/4/41 | 3.08 <sup>E</sup><br>8/26-27/42 | 4.85<br>8/26-27/42 | 4.91<br>8/26-27/42 |

<sup>a</sup> Also 26/44

U. S. WEATHER BUREAU

Station: KEWANEE

Drainage basin: ILLINOIS

County: HENRY

Lat. 41° 14' Long. 89° 55'

Elev.(ft.) 853

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                    |                  |                   |                   |
|--------|--------------|------------------|-----------------|--------------------|------------------|-------------------|-------------------|
|        |              | 1                | 2               | 3                  | 6                | 12                | 24                |
| Jan.   | Amt.<br>Date | 0.39<br>29/47    | 0.62<br>9/46    | 0.69<br>9/46       | 0.89E<br>9/46    | 1.22E<br>8-9/46   | 1.30<br>8-9/46    |
| Feb.   | Amt.<br>Date | 0.33E<br>6/42    | 0.65E<br>6/42   | 0.89E<br>6/42      | 1.43E<br>6/42    | 2.14E<br>6/42     | 2.35<br>6/42      |
| Mar.   | Amt.<br>Date | 0.56<br>19/48    | 0.73<br>19/48   | 0.94<br>19/48      | 1.59<br>19/48    | 1.97<br>19/48     | 2.00<br>18-19/48  |
| Apr.   | Amt.<br>Date | 1.26<br>26/43    | 1.51<br>26/43   | 2.32<br>26-27/43   | 2.82<br>26-27/43 | 3.40<br>26-27/43  | 3.40<br>26-27/43  |
| May    | Amt.<br>Date | 0.74<br>21/41    | 1.67<br>13/42   | 1.73<br>13/42      | 2.08<br>14/41    | 2.09<br>14/41     | 2.09<br>14/41     |
| Jun.   | Amt.<br>Date | 1.44<br>13/50    | 1.52<br>13/50   | 1.69<br>13/50      | 1.80<br>13/50    | 1.80<br>13/50     | 2.40<br>28-29/41  |
| Jul.   | Amt.<br>Date | 1.45a<br>23/41   | 2.29<br>23/41   | 2.30<br>23/41      | 3.73<br>23/41    | 3.73<br>23/41     | 3.73<br>23/41     |
| Aug.   | Amt.<br>Date | 1.50<br>11/49    | 1.70<br>11/49   | 1.98<br>28/42      | 2.14<br>28/42    | 2.82<br>11/49     | 3.12<br>11/49     |
| Sep.   | Amt.<br>Date | 1.14<br>4/41     | 1.62<br>4/41    | 1.77<br>21/47      | 2.57<br>21/47    | 3.04<br>20-21/47  | 3.07<br>20-21/47  |
| Oct.   | Amt.<br>Date | 1.59<br>6/41     | 1.76<br>6/41    | 2.04<br>2-3/41     | 3.23<br>2-3/41   | 4.05<br>2-3/41    | 4.38<br>2-3/41    |
| Nov.   | Amt.<br>Date | 0.50<br>7/46     | 0.88<br>7/46    | 0.93<br>6-7/46     | 1.08<br>6-7/46   | 1.35<br>2-3/46    | 1.35<br>2-3/46    |
| Dec.   | Amt.<br>Date | 0.57<br>26/42    | 0.85<br>26/42   | 0.99<br>26/42      | 1.57<br>26-27/42 | 1.97E<br>26-27/42 | 2.12E<br>26-27/42 |
| Annual | Amt.<br>Date | 1.59<br>10/6/41  | 2.29<br>7/23/41 | 2.32<br>4/26-27/43 | 3.73<br>7/23/41  | 4.05<br>10/2-3/41 | 4.38<br>10/2-3/41 |

<sup>a</sup> Also 15/42

U. S. WEATHER BUREAU

Station: LANARK

Drainage basin: MISSISSIPPI

County: CARROLL

Lat. 42° 06' Long. 89° 50'

Elev.(ft.) 883

Period of record: 1940-1950

| Month  |              | Duration (hours)           |                  |                  |                  |                  |                  |
|--------|--------------|----------------------------|------------------|------------------|------------------|------------------|------------------|
|        |              | 1                          | 2                | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.40<br>27/44              | 0.60<br>29/47    | 0.85<br>29/47    | 1.10<br>29/47    | 2.00<br>29/47    | 2.17<br>29-30/47 |
| Feb.   | Amt.<br>Date | 0.38<br>27/48              | 0.64<br>27/48    | 0.85<br>27/48    | 1.43<br>27/48    | 1.80<br>27/48    | 1.93<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.32 <sup>a</sup><br>19/48 | 0.48<br>30-31/49 | 0.56<br>19/48    | 0.82<br>19/48    | 1.52<br>18-19/48 | 1.60<br>18-19/48 |
| Apr.   | Amt.<br>Date | 0.54<br>23/50              | 0.60<br>7/43     | 0.74<br>12-13/45 | 0.98<br>6-7/43   | 1.50<br>23-24/50 | 1.64<br>23-24/50 |
| May    | Amt.<br>Date | 0.97<br>15/41              | 1.26<br>31/41    | 1.32<br>30/41    | 1.50<br>13-14/45 | 2.85<br>31-1/47  | 3.47<br>31-1/47  |
| Jun.   | Amt.<br>Date | 1.23<br>13/49              | 2.22<br>23/40    | 2.90<br>23/40    | 3.24<br>23/40    | 3.32<br>22-23/40 | 3.47<br>31-1/47  |
| Jul.   | Amt.<br>Date | 1.24<br>23/41              | 1.57<br>23/41    | 1.59<br>23/41    | 1.90<br>22-23/41 | 1.91<br>22-23/41 | 2.08<br>22-23/41 |
| Aug.   | Amt.<br>Date | 1.36<br>2/43               | 2.19<br>17/46    | 2.63<br>17/46    | 3.02<br>17/46    | 3.07<br>17/46    | 3.08<br>17/46    |
| Sep.   | Amt.<br>Date | 3.10<br>2/42               | 3.61<br>2/42     | 4.05<br>2/42     | 4.34<br>2/42     | 4.34<br>2/42     | 4.34<br>2/42     |
| Oct.   | Amt.<br>Date | 0.92<br>22/41              | 1.29<br>22/41    | 1.35<br>22/41    | 1.50<br>22/41    | 1.57<br>22/41    | 1.63<br>22/41    |
| Nov.   | Amt.<br>Date | 0.37<br>2/46               | 0.72<br>2/46     | 1.03<br>2-3/46   | 1.59<br>2-3/46   | 1.72<br>2-3/46   | 1.72<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.70<br>26/42              | 1.40<br>26/42    | 1.71<br>26/42    | 2.13<br>26/42    | 2.61<br>26/42    | 2.89<br>26-27/42 |
| Annual | Amt.<br>Date | 3.10<br>9/2/42             | 3.61<br>9/2/42   | 4.05<br>9/2/42   | 4.34<br>9/2/42   | 4.34<br>9/2/42   | 4.34<br>9/2/42   |

<sup>a</sup> Also 30/49

U. S. WEATHER BUREAU

Station: LOCKPORT LOCK and DAM

Drainage basin: ILLINOIS

County: WILL

Lat. 41° 34' Long. 88° 05'

Elev.(ft.) 585

Period of record: 1940-1950

| Month  |              | Duration (hours) |                |                  |                  |                  |                  |
|--------|--------------|------------------|----------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2              | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.40<br>1/48     | 0.60<br>1/48   | 0.72<br>29-30/47 | 0.86<br>29-30/47 | 1.00<br>18/49    | 1.15<br>29-30/47 |
| Feb.   | Amt.<br>Date | 0.29<br>27/48    | 0.51<br>6/42   | 0.70<br>6/42     | 1.29<br>6/42     | 1.53<br>6/42     | 1.58<br>6/42     |
| Mar.   | Amt.<br>Date | 0.71<br>19/48    | 1.22<br>30/49  | 1.27<br>30/49    | 2.11<br>19/48    | 2.55<br>19/48    | 2.62<br>19/48    |
| Apr.   | Amt.<br>Date | 1.45<br>4/47     | 1.83<br>5/47   | 2.91<br>4-5/47   | 3.90<br>4-5/47   | 4.60<br>4-5/47   | 5.05<br>4-5/47   |
| May    | Amt.<br>Date | 1.37<br>19/49    | 1.57<br>19/49  | 1.74<br>19/49    | 2.15<br>19/49    | 2.22<br>19/49    | 2.37<br>10-11/43 |
| Jun.   | Amt.<br>Date | 0.91<br>24/50    | 1.51<br>3-4/43 | 1.56<br>3-4/43   | 1.74<br>1/47     | 2.32<br>1/47     | 2.35<br>1/47     |
| Jul.   | Amt.<br>Date | 2.20<br>28/45    | 2.32<br>28/45  | 2.32<br>28/45    | 2.32<br>28/45    | 2.32<br>28/45    | 3.82<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.17<br>11/45    | 2.07<br>31/42  | 2.10<br>31/42    | 2.80<br>17/46    | 2.87<br>17/46    | 2.92<br>26-27/42 |
| Sep.   | Amt.<br>Date | 2.77<br>7/42     | 3.89<br>7/42   | 4.91<br>7/42     | 5.22<br>7-8/42   | 5.24<br>7-8/42   | 5.53<br>7-8/42   |
| Oct.   | Amt.<br>Date | 0.85<br>6/41     | 1.36<br>6/41   | 1.38<br>6/41     | 1.51<br>6/41     | 2.52<br>6/41     | 3.11<br>6-7/41   |
| Nov.   | Amt.<br>Date | 0.61<br>3/46     | 0.96<br>3/46   | 1.25<br>3/46     | 1.78<br>3/46     | 2.10<br>2-3/46   | 2.14<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.73<br>11/49    | 0.85<br>11/49  | 0.87<br>11/49    | 1.16<br>21/49    | 1.70<br>27/42    | 2.35<br>20-21/49 |
| Annual | Amt.<br>Date | 2.77<br>9/7/42   | 3.89<br>9/7/42 | 4.91<br>9/7/42   | 5.22<br>9/7-8/42 | 5.24<br>9/7-8/42 | 5.53<br>9/7-8/42 |

U. S. WEATHER BUREAU

Station: LOCKPORT P. H.

Drainage basin: ILLINOIS

County: WILL

Lat. 41° 34' Long. 88° 05'

Elev.(ft.) 585

Period of record: 1941-1950

| Month  |              | Duration (hours)           |                |                |                |                             |                               |
|--------|--------------|----------------------------|----------------|----------------|----------------|-----------------------------|-------------------------------|
|        |              | 1                          | 2              | 3              | 6              | 12                          | 24                            |
| Jan.   | Amt.<br>Date | 0.47<br>25/50              | 0.48<br>25/50  | 0.50<br>4/50   | 0.77<br>8-9/46 | 0.92<br>8-9/46              | 1.18<br>13/50                 |
| Feb.   | Amt.<br>Date | 0.26<br>27/48              | 0.47<br>6/42   | 0.64<br>6/42   | 1.19<br>6/42   | 1.63<br>6/42                | 1.68<br>6/42                  |
| Mar.   | Amt.<br>Date | 0.65 <sup>a</sup><br>19/48 | 1.28<br>30/49  | 1.41<br>30/49  | 2.09<br>19/48  | 2.62<br>19/48               | 2.63<br>19/48                 |
| Apr.   | Amt.<br>Date | 1.64<br>4/47               | 1.99<br>4-5/47 | 3.25<br>4-5/47 | 4.45<br>4-5/47 | 5.11<br>4-5/47              | 5.43<br>4-5/47                |
| May    | Amt.<br>Date | 1.50<br>19/49              | 1.66<br>19/49  | 1.84<br>19/49  | 2.19<br>19/49  | 2.27<br>19/49               | 2.27<br>19/49                 |
| Jun.   | Amt.<br>Date | 0.89<br>1/47               | 1.45<br>2/50   | 1.60<br>2/50   | 2.09<br>2/50   | 2.64<br>1/47                | 2.75<br>2/50                  |
| Jul.   | Amt.<br>Date | 1.98<br>28/45              | 2.17<br>28/45  | 2.26<br>28/45  | 2.27<br>28/45  | 2.31<br>16-17/50            | 3.67<br>16-17/50              |
| Aug.   | Amt.<br>Date | 1.55<br>17/46              | 2.49<br>17/46  | 2.65<br>17/46  | 2.92<br>27/42  | 3.06<br>27/42               | 3.09<br>27/42                 |
| Sep.   | Amt.<br>Date | 2.63<br>7/42               | 3.74<br>7/42   | 4.85<br>7/42   | 5.23<br>7/42   | 5.31 <sup>E</sup><br>7/42   | 5.96 <sup>E</sup><br>7-8/42   |
| Oct.   | Amt.<br>Date | 0.86<br>6/41               | 1.31<br>6/41   | 1.31<br>6/41   | 1.47<br>6/41   | 2.25 <sup>E</sup><br>6/41   | 2.91<br>6-7/41                |
| Nov.   | Amt.<br>Date | 0.65<br>3/46               | 0.98<br>3/46   | 1.24<br>3/46   | 1.70<br>3/46   | 2.01<br>2-3/46              | 2.05<br>2-3/46                |
| Dec.   | Amt.<br>Date | 0.61<br>11/49              | 0.73<br>11/49  | 0.83<br>21/49  | 1.12<br>21/49  | 1.43<br>26-27/42            | 2.30<br>30-31/49              |
| Annual | Amt.<br>Date | 2.63<br>9/7/42             | 3.74<br>9/7/42 | 4.85<br>9/7/42 | 5.23<br>9/7/42 | 5.31 <sup>E</sup><br>9/7/42 | 5.96 <sup>E</sup><br>9/7-8/42 |

<sup>a</sup> Also 30/49

U. S. WEATHER BUREAU

Station: LOUISVILLE

Drainage basin: WABASH

County: CLAY

Lat. 38° 46' Long. 88° 30'

Elev.(ft.) 480

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                     |                             |                    |
|--------|--------------|------------------|-----------------|------------------|---------------------|-----------------------------|--------------------|
|        |              | 1                | 2               | 3                | 6                   | 12                          | 24                 |
| Jan.   | Amt.<br>Date | 1.02<br>3/50     | 1.25<br>3/50    | 1.40<br>3/50     | 1.88a<br>31/47-1/48 | 2.83<br>31/47-1/48          | 3.83<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.45<br>8/50     | 0.77<br>14/49   | 0.91<br>14/49    | 1.14<br>21/50       | 1.80<br>13/46               | 2.43<br>12-13/46   |
| Mar.   | Amt.<br>Date | 0.94<br>26/49    | 1.20<br>26/49   | 1.26<br>26/49    | 1.38<br>26/49       | 1.87<br>2/45                | 2.61<br>1-2/45     |
| Apr.   | Amt.<br>Date | 0.75<br>22/44    | 1.13<br>23/44   | 1.21<br>23/44    | 1.43<br>22/44       | 2.15<br>22-23/44            | 2.93<br>22-23/44   |
| May    | Amt.<br>Date | 1.31<br>19/43    | 1.48<br>19/43   | 1.80<br>19/43    | 2.31<br>19/43       | 2.71<br>19/43               | 3.80<br>10/43      |
| Jun.   | Amt.<br>Date | 1.43<br>10/41    | 1.96<br>10/41   | 1.99<br>10/41    | 2.35<br>7/45        | 2.60<br>7/45                | 3.78<br>9-10/41    |
| Jul.   | Amt.<br>Date | 1.05<br>9/46     | 1.39<br>9/46    | 1.42<br>9/46     | 1.46<br>9/46        | 1.48<br>9/46                | 1.83<br>18-19/48   |
| Aug.   | Amt.<br>Date | 0.83b<br>12/44   | 1.06<br>25/47   | 1.51<br>22-23/42 | 1.52<br>22-23/42    | 1.84<br>5/46                | 2.07<br>26-27/44   |
| Sep.   | Amt.<br>Date | 0.87<br>27/45    | 1.31<br>27/45   | 1.48<br>21/47    | 1.71<br>27/45       | 2.27<br>27/45               | 2.33<br>27-28/45   |
| Oct.   | Amt.<br>Date | 0.61<br>17/46    | 0.90<br>11/49   | 0.96<br>11/49    | 1.43<br>5/49        | 2.57<br>5-6/49              | 2.93<br>5-6/49     |
| Nov.   | Amt.<br>Date | 0.80<br>17/42    | 1.02<br>2/48    | 1.26<br>2/48     | 1.85<br>7/50        | 2.22<br>2/48                | 2.33<br>2/48       |
| Dec.   | Amt.<br>Date | 0.59<br>21/49    | 1.13<br>2/50    | 1.39<br>2/50     | 2.00<br>31/47       | 2.83<br>31/47-1/48          | 3.13<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.43<br>6/10/41  | 1.96<br>6/10/41 | 1.99<br>6/10/41  | 2.35<br>6/7/45      | 2.83<br>12/31/47-<br>1/1/48 | 3.83<br>1/3-4/50   |

a Also 3/50  
b Also 14/49

U. S. WEATHER BUREAU

Station: **MARIETTA**

Drainage basin: **ILLINOIS**

County: **FULTON**

Lat.  $40^{\circ} 30'$  Long.  $90^{\circ} 24'$

Elev.(ft.) 546

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                    |                    |
|--------|--------------|------------------|-----------------|-----------------|------------------|--------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.61<br>29/47    | 0.88<br>29/47   | 0.92<br>29/47   | 0.99<br>29/47    | 1.04<br>29-30/47   | 1.10<br>8-9/46     |
| Feb.   | Amt.<br>Date | 0.26E<br>6/42    | 0.46E<br>6/42   | 0.68E<br>5-6/42 | 0.98E<br>5-6/42  | 1.67E<br>5-6/42    | 2.25<br>5-6/42     |
| Mar.   | Amt.<br>Date | 0.54<br>24/47    | 0.69<br>14/44   | 0.92<br>14/44   | 1.22<br>14-15/44 | 1.67<br>14-15/44   | 2.00<br>14-15/44   |
| Apr.   | Amt.<br>Date | 1.02<br>29/47    | 1.39<br>29/47   | 1.53<br>29/47   | 1.63<br>29/43    | 2.20<br>24/50      | 2.31<br>24/50      |
| May    | Amt.<br>Date | 0.87<br>6/48     | 1.36<br>6/48    | 1.54<br>6/48    | 1.65<br>6/48     | 1.69<br>6/48       | 2.00<br>14-15/45   |
| Jun.   | Amt.<br>Date | 2.76<br>12/46    | 2.91<br>12/46   | 2.94<br>12/46   | 2.96<br>12/46    | 3.80<br>11-12/46   | 5.32<br>11-12/46   |
| Jul.   | Amt.<br>Date | 1.57<br>25/48    | 1.85<br>25/48   | 1.88<br>25/48   | 2.08<br>25/48    | 2.09<br>25/48      | 2.11<br>25-26/48   |
| Aug.   | Amt.<br>Date | 1.52<br>17/40    | 2.10<br>11/41   | 2.12<br>11/41   | 2.14<br>11/41    | 2.14<br>11/41      | 2.15<br>17-18/40   |
| Sep.   | Amt.<br>Date | 1.51<br>6/41     | 1.92<br>6/41    | 1.97<br>6/41    | 2.14<br>6/41     | 2.16<br>6/41       | 2.24<br>13-14/45   |
| Oct.   | Amt.<br>Date | 1.04<br>2/44     | 1.43<br>2/44    | 1.59<br>2/44    | 2.05<br>2/44     | 2.14<br>2/44       | 2.14<br>2/44       |
| Nov.   | Amt.<br>Date | 0.67<br>8/44     | 0.92<br>8/44    | 1.00<br>8/44    | 1.28<br>8/44     | 2.00<br>2-3/46     | 2.16E<br>2-3/46    |
| Dec.   | Amt.<br>Date | 0.53<br>26/42    | 0.75<br>26/42   | 0.96<br>26/42   | 1.36<br>26/42    | 2.06<br>26-27/42   | 2.68<br>26-27/42   |
| Annual | Amt.<br>Date | 2.76<br>6/12/46  | 2.91<br>6/12/46 | 2.94<br>6/12/46 | 2.96<br>6/12/46  | 3.80<br>6/11-12/46 | 5.32<br>6/11-12/46 |



U. S. WEATHER BUREAU

Station: MAROA

Drainage basin: ILLINOIS

County: MACON

Lat. 40° 02' Long. 88° 57'

Elev.(ft.) 725

Period of record: 1940-1950

| Month  |              | Duration (hours)           |                  |                    |                  |                            |                               |
|--------|--------------|----------------------------|------------------|--------------------|------------------|----------------------------|-------------------------------|
|        |              | 1                          | 2                | 3                  | 6                | 12                         | 24                            |
| Jan.   | Amt.<br>Date | 0.16<br>8/46               | 0.25<br>1/41     | 0.37<br>1/41       | 0.58<br>1/41     | 0.84<br>1/48               | 1.28<br>31/47-1/48            |
| Feb.   | Amt.<br>Date | 0.31 <sup>a</sup><br>21/44 | 0.58<br>21/44    | 0.80<br>21/44      | 1.04<br>4/42     | 1.89<br>4/42               | 2.04<br>4/42                  |
| Mar.   | Amt.<br>Date | 0.36<br>16/42              | 0.50<br>4/48     | 0.74<br>21/48      | 1.01<br>21/48    | 1.07<br>21/48              | 1.19<br>3-4/44                |
| Apr.   | Amt.<br>Date | 0.99<br>10/47              | 1.28<br>10-11/44 | 1.56<br>10-11/44   | 2.00<br>10-11/44 | 2.64<br>10-11/44           | 2.96<br>10-11/44              |
| May    | Amt.<br>Date | 0.96<br>17/43              | 1.15<br>17/43    | 1.48<br>16-17/43   | 1.73<br>16-17/43 | 2.32<br>16-17/43           | 2.81<br>16-17/43              |
| Jun.   | Amt.<br>Date | 1.43<br>9/41               | 1.54<br>25/42    | 1.88<br>25/42      | 2.24<br>25-26/42 | 2.55<br>2/41               | 2.63<br>2-3/41                |
| Jul.   | Amt.<br>Date | 1.86<br>19/46              | 2.06<br>7-8/42   | 2.36<br>19-20/46   | 2.41<br>19-20/46 | 2.44<br>19-20/46           | 2.46<br>19-20/46              |
| Aug.   | Amt.<br>Date | 1.94<br>5/45               | 2.24<br>5/45     | 2.27<br>5/45       | 2.47<br>5-6/45   | 2.50<br>5-6/45             | 2.50<br>5-6/45                |
| Sep.   | Amt.<br>Date | 1.72<br>4/43               | 2.03<br>4/43     | 2.03<br>4/43       | 2.03<br>4/43     | 2.03<br>4/43               | 2.28<br>25-26/42              |
| Oct.   | Amt.<br>Date | 0.67<br>31/41              | 0.82<br>31/41    | 1.08<br>31/41      | 1.63<br>4/41     | 2.41<br>4-5/41             | 2.72<br>4-5/41                |
| Nov.   | Amt.<br>Date | 0.74<br>12/45              | 0.96<br>9/42     | 1.13<br>9/42       | 1.20<br>21/42    | 1.55<br>21/42              | 1.95<br>21/42                 |
| Dec.   | Amt.<br>Date | 0.29<br>22/41              | 0.56<br>22/41    | 0.69<br>22/41      | 0.93<br>21/49    | 1.43 <sup>E</sup><br>21/49 | 2.63 <sup>E</sup><br>21-22/49 |
| Annual | Amt.<br>Date | 1.94<br>8/5/45             | 2.24<br>8/5/45   | 2.36<br>7/19-20/46 | 2.47<br>8/5-6/45 | 2.64<br>4/10-11/44         | 2.96<br>4/10-11/44            |

<sup>a</sup> Also 27/48

U.S. WEATHER BUREAU

Station: MASON CITY

Drainage basin: ILLINOIS

County: MASON

Lat. 40° 12' Long. 89° 42'

Elev.(ft.) 581

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                  |                  |
|--------|--------------|------------------|-----------------|-----------------|------------------|------------------|------------------|
|        |              | 1                | 2               | 3               | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.38<br>29/47    | 0.48<br>29/47   | 0.60<br>27/49   | 0.90<br>13/50    | 1.13<br>12-13/50 | 1.35<br>1-2/41   |
| Feb.   | Amt.<br>Date | 0.33<br>21/44    | 0.51<br>21/44   | 0.65<br>6/42    | 0.96<br>6/42     | 1.61<br>4/42     | 1.80<br>4/42     |
| Mar.   | Amt.<br>Date | 0.63<br>16/42    | 1.25<br>16/42   | 0.46<br>16/42   | 1.56<br>16/42    | 1.64<br>16/42    | 1.66<br>16/42    |
| Apr.   | Amt.<br>Date | 0.85<br>29/47    | 1.13<br>2/45    | 1.59<br>2/45    | 2.14<br>2/45     | 2.53<br>1-2/45   | 2.75<br>10-11/45 |
| May    | Amt.<br>Date | 0.68a<br>15/43   | 1.15<br>8/44    | 1.28<br>8/44    | 1.80<br>7-8/43   | 1.95<br>7-8/43   | 2.16<br>7-8/43   |
| Jun.   | Amt.<br>Date | 1.28<br>6/47     | 1.80<br>6/47    | 2.06<br>6/47    | 2.78<br>6/47     | 3.10<br>5-6/47   | 3.58<br>5-6/47   |
| Jul.   | Amt.<br>Date | 2.73<br>25/48    | 3.18<br>25/48   | 3.28<br>25/48   | 3.48<br>25/48    | 3.48<br>25/48    | 3.50<br>25-26/48 |
| Aug.   | Amt.<br>Date | 1.10<br>30/44    | 1.55<br>11/45   | 1.58<br>30/44   | 1.62<br>30/44    | 1.71<br>30/44    | 1.71<br>30/44    |
| Sep.   | Amt.<br>Date | 1.62<br>8/42     | 1.84<br>8/42    | 2.01<br>8/42    | 2.25<br>24-25/41 | 2.30<br>24-25/41 | 2.30<br>24-25/41 |
| Oct.   | Amt.<br>Date | 1.07<br>17/46    | 1.75<br>17/46   | 2.15<br>17/46   | 3.19<br>17/46    | 4.26<br>17/46    | 4.49<br>17/46    |
| Nov.   | Amt.<br>Date | 0.68<br>9/42     | 1.05<br>9/42    | 1.43<br>9/42    | 1.56<br>9/42     | 2.23<br>9/42     | 2.73<br>9/42     |
| Dec.   | Amt.<br>Date | 0.61<br>26/42    | 1.21<br>26/42   | 1.41<br>26/42   | 1.72<br>26-27/42 | 2.10<br>26-27/42 | 3.46<br>20-21/49 |
| Annual | Amt.<br>Date | 2.73<br>7/25/48  | 3.18<br>7/25/48 | 3.28<br>7/25/48 | 3.48<br>7/25/48  | 4.26<br>10/17/46 | 4.49<br>10/17/46 |

<sup>a</sup> Also 8/44

U.S. WEATHER BUREAU

Station: Mc HENRY

Drainage basin: ILLINOIS

County: Mc HENRY

Lat. 42° 21' Long. 86° 16'

Elev.(ft.) 750

Period of record: 1940-1950

| Month  |              | Duration (hours) |                |                 |                   |                  |                  |
|--------|--------------|------------------|----------------|-----------------|-------------------|------------------|------------------|
|        |              | 1                | 2              | 3               | 6                 | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.37<br>27/44    | 0.47<br>27/44  | 0.56<br>27/44   | 0.88<br>29-30/47  | 1.29<br>29-30/47 | 1.58<br>29-30/47 |
| Feb.   | Amt.<br>Date | 0.49<br>26/44    | 0.64<br>26/44  | 0.70<br>26/44   | 0.74a<br>25-26/44 | 0.92<br>13/50    | 1.13<br>13-14/50 |
| Mar.   | Amt.<br>Date | 1.05<br>16/42    | 1.25<br>16/42  | 1.34<br>16/42   | 1.35<br>16/42     | 1.87<br>19/48    | 2.16<br>15-16/42 |
| Apr.   | Amt.<br>Date | 0.52<br>23/44    | 1.02<br>17/45  | 1.22<br>13/45   | 1.68<br>23-24/50  | 2.20<br>23-24/50 | 2.28<br>23-24/50 |
| May    | Amt.<br>Date | 1.06<br>27/45    | 1.07<br>27/45  | 1.14<br>9-10/48 | 1.32<br>9-10/48   | 2.12<br>9-10/48  | 2.30<br>9-10/48  |
| Jun.   | Amt.<br>Date | 1.22<br>2/50     | 1.71<br>2/50   | 1.83<br>2/50    | 2.03<br>2/50      | 2.43<br>2/50     | 3.25<br>2/50     |
| Jul.   | Amt.<br>Date | 1.00<br>26/49    | 1.28<br>26/49  | 1.29<br>26/49   | 1.72<br>6/43      | 1.82<br>6/43     | 1.92<br>5-6/43   |
| Aug.   | Amt.<br>Date | 1.07<br>11/41    | 1.10<br>11/41  | 1.27<br>11/41   | 1.79<br>26/43     | 2.43<br>25-26/43 | 2.86<br>25-26/43 |
| Sep.   | Amt.<br>Date | 0.84<br>8/41     | 1.27<br>8/41   | 1.42<br>8/41    | 2.68<br>21/47     | 3.39<br>21/47    | 3.42<br>21/47    |
| Oct.   | Amt.<br>Date | 0.55<br>21/49    | 0.69<br>21/49  | 0.83<br>22/41   | 1.10<br>22/41     | 1.14<br>22-23/41 | 1.18<br>30-1/45  |
| Nov.   | Amt.<br>Date | 0.27<br>3/46     | 0.38<br>3/46   | 0.56b<br>9/42   | 0.90<br>3/46      | 1.13<br>9/42     | 1.26<br>9-10/42  |
| Dec.   | Amt.<br>Date | 0.37<br>26/42    | 0.53<br>20/49  | 0.67<br>20/49   | 0.73<br>20/49     | 1.14<br>26-27/42 | 1.60<br>26-27/42 |
| Annual | Amt.<br>Date | 1.22<br>6/2/50   | 1.71<br>6/2/50 | 1.83<br>6/2/50  | 2.68<br>9/21/47   | 3.39<br>9/21/47  | 3.42<br>9/21/47  |

<sup>a</sup> Also 27/48

<sup>b</sup> Also 3/46

Station: MOLINE WB AP

Drainage basin: ROCK

County: ROCK ISLAND

Lat. 41° 27' Long. 90° 31'

Elev.(ft.) 589

Period of record: 1940-1950

| Month  |              | Duration (hours) |                   |                   |                  |                    |                    |
|--------|--------------|------------------|-------------------|-------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                 | 3                 | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.47<br>9/46     | 0.76<br>29/47     | 0.90<br>29/47     | 1.08<br>29/47    | 1.30<br>29/47      | 1.47<br>29-30/47'  |
| Feb.   | Amt.<br>Date | 0.77<br>9/43     | 0.79<br>9/43      | 0.81<br>9-10/43   | 1.09<br>27/48    | 1.74<br>27/48      | 1.90<br>27-28/48   |
| Mar.   | Amt.<br>Date | 0.82 aw<br>16/46 | 0.90<br>19/48     | 0.98w<br>19/48    | 1.39<br>19/48    | 1.96<br>18-19/48   | 2.38<br>13-14/44   |
| Apr.   | Amt.<br>Date | 1.20<br>26/43    | 1.93<br>26/43     | 2.14<br>26-27/43  | 2.35<br>26-27/43 | 2.78<br>26-27/43   | 2.78<br>26-27/43   |
| May    | Amt.<br>Date | 1.02w<br>23/44   | 1.09w<br>23/44    | 1.10w<br>23/44    | 1.12<br>23/44    | 1.38<br>15/43      | 1.83<br>15/43      |
| Jun.   | Amt.<br>Date | 1.48<br>11/42    | 1.78<br>11/42     | 1.79<br>11/42     | 1.80<br>18/50    | 2.43<br>11/42      | 2.46<br>11-12/42   |
| Jul.   | Amt.<br>Date | 2.62w<br>21/48   | 3.37w<br>21/48    | 3.42<br>21/48     | 3.42<br>21/48    | 3.42<br>21/48      | 3.45<br>21/48      |
| Aug.   | Amt.<br>Date | 1.99w<br>11/49   | 3.20w<br>11/49    | 3.59w<br>11/49    | 4.10<br>11/49    | 4.34<br>11/49      | 4.44<br>10-11/49   |
| Sep.   | Amt.<br>Date | 1.02<br>11/50    | 1.35w<br>20-21/47 | 1.84w<br>20-21/47 | 3.15<br>20-21/47 | 4.38<br>20-21/47   | 4.55<br>20-21/47   |
| Oct.   | Amt.<br>Date | 1.22<br>22/41    | 1.57<br>22/41     | 1.74<br>22/41     | 2.30<br>20-21/43 | 2.38<br>20-21/43   | 2.38<br>20-21/43   |
| Nov.   | Amt.<br>Date | 0.40<br>6/44     | 0.69<br>6/43      | 0.93<br>6/43      | 1.26<br>6/43     | 1.40<br>6/43       | 1.46<br>6-7/43     |
| Dec.   | Amt.<br>Date | 0.35<br>20/49    | 0.48<br>20/49     | 0.54<br>15/40     | 0.82<br>15/40    | 1.06<br>12/46      | 1.48<br>28-29/48   |
| Annual | Amt.<br>Date | 2.62w<br>7/21/48 | 3.37w<br>7/21/48  | 3.59w<br>8/11/49  | 4.10<br>8/11/49  | 4.38<br>9/20-21/47 | 4.55<br>9/20-21/47 |

a Also 19/48

Station: MORRISONVILLE

Drainage basin: ILLINOIS

County: CHRISTIAN

Lat. 39° 25' Long. 89° 27'

Elev.(ft.) 638

Period of record: 1940-1950

| Month  | Amt.<br>Date    | Duration (hours) |                  |                  |                   |                    |    |
|--------|-----------------|------------------|------------------|------------------|-------------------|--------------------|----|
|        |                 | 1                | 2                | 3                | 6                 | 12                 | 24 |
| Jan.   | 1.19<br>25/50   | 1.23<br>29/47    | 1.40<br>29/47    | 1.50<br>29-30/47 | 1.51a<br>29-30/47 | 2.85<br>3-4/50     |    |
| Feb.   | 0.36<br>3/43    | 0.56<br>21/45    | 0.75<br>21/45    | 0.95<br>21/45    | 1.26<br>13/46     | 1.77<br>14-15/49   |    |
| Mar.   | 0.50<br>21/48   | 0.79<br>21/48    | 0.95<br>21/48    | 1.23<br>5-6/46   | 1.35<br>5-6/46    | 1.51<br>15-16/43   |    |
| Apr.   | 1.19<br>22/44   | 1.83<br>22/44    | 2.06<br>22/44    | 2.61<br>22/44    | 3.50<br>22/44     | 4.13<br>22-23/44   |    |
| May    | 2.13<br>30/44   | 2.83<br>30/44    | 2.99<br>30/44    | 3.02<br>30/44    | 3.02<br>30/44     | 3.18<br>17-18/43   |    |
| Jun.   | 1.45<br>13/42   | 2.61<br>6/47     | 3.42<br>6/47     | 3.58<br>6/47     | 3.60<br>6/47      | 3.60<br>6/47       |    |
| Jul.   | 2.30<br>25/48   | 2.80<br>25/48    | 3.14<br>25/48    | 3.25<br>25/48    | 3.30<br>25-26/48  | 3.30<br>25-26/48   |    |
| Aug.   | 1.55<br>25/41   | 2.44<br>25/41    | 2.56<br>25-26/41 | 2.66<br>25-26/41 | 2.73<br>25-26/41  | 2.73<br>25-26/41   |    |
| Sep.   | 1.50<br>1/47    | 1.58<br>1/47     | 1.60<br>1/47     | 1.71<br>21/47    | 2.00<br>21/47     | 2.34<br>12-13/45   |    |
| Oct.   | 0.82<br>31/41   | 0.97<br>31/41    | 1.10<br>30/42    | 1.50<br>29-30/42 | 1.80<br>31-1/46   | 2.46<br>31-1/46    |    |
| Nov.   | 0.42<br>22/42   | 0.80<br>19/50    | 0.94<br>19/50    | 1.19<br>22/42    | 1.80<br>31-1/46   | 2.46<br>31-1/46    |    |
| Dec.   | 0.46<br>14/48   | 0.76<br>14/48    | 0.85<br>27/42    | 1.45<br>27/42    | 1.67<br>21/49     | 2.55<br>21/49      |    |
| Annual | 2.30<br>7/25/48 | 2.83<br>5/30/44  | 3.42<br>6/6/47   | 3.58<br>6/6/47   | 3.60<br>6/6/47    | 4.13<br>4/22-23/44 |    |

a ALSO 3-4/50

Station: MT. CARMEL

Drainage basin: WABASH

County: WABASH

Lat. 38° 25' Long. 87° 46'

Elev.(ft.) 465

Period of record: 1940-1950 (BREAKS)

| Month  |              | Duration (hours) |                  |                    |                    |                               |                    |
|--------|--------------|------------------|------------------|--------------------|--------------------|-------------------------------|--------------------|
|        |              | 1                | 2                | 3                  | 6                  | 12                            | 24                 |
| Jan.   | Amt.<br>Date | 0.90<br>3/50     | 1.49<br>30/47    | 1.55<br>24/49      | 2.23<br>23-24/49   | 3.01<br>23-24/49              | 4.42<br>23-24/49   |
| Feb.   | Amt.<br>Date | 0.50<br>26/45    | 0.91<br>25-26/45 | 1.21<br>25-26/45   | 2.13<br>25-26/45   | 2.94<br>25-26/45              | 3.80<br>25-26/45   |
| Mar.   | Amt.<br>Date | 0.70<br>26/50    | 1.05<br>26/50    | 1.25<br>26-27/50   | 1.60<br>26-27/50   | 2.42<br>26-27/50              | 3.07<br>1-2/45     |
| Apr.   | Amt.<br>Date | 1.98<br>22/44    | 2.28<br>22/44    | 2.47<br>22/44      | 2.50<br>22/44      | 2.79<br>22-23/44              | 3.23<br>22-23/44   |
| May    | Amt.<br>Date | 0.92<br>15/43    | 1.76<br>15/43    | 1.77<br>15/43      | 1.85<br>10/43      | 2.52 <sup>*</sup><br>10-11/43 | 3.18<br>1-2/46     |
| Jun.   | Amt.<br>Date | 1.07<br>19/46    | 1.72<br>1-2/47   | 1.73<br>1-2/47     | 1.85<br>1-2/47     | 2.42<br>1-2/47                | 2.82<br>1-2/47     |
| Jul.   | Amt.<br>Date | 1.53<br>19/46    | 1.69<br>19/46    | 1.70<br>19/46      | 3.02E<br>3-4/43    | 4.03<br>3-4/43                | 4.03<br>3-4/43     |
| Aug.   | Amt.<br>Date | 1.92<br>7/47     | 2.34<br>17/46    | 3.05<br>17/46      | 3.35<br>17/46      | 3.35<br>17/46                 | 3.41E<br>30-31/50  |
| Sep.   | Amt.<br>Date | 1.01<br>9/47     | 1.37<br>26/45    | 1.48<br>26/45      | 1.60<br>26/45      | 1.98<br>24-25/45              | 2.49<br>24-25/45   |
| Oct.   | Amt.<br>Date | 1.08<br>9/41     | 1.19<br>27/47    | 1.33<br>27/27      | 1.78<br>27/47      | 1.98<br>27/47                 | 2.42<br>26-27/47   |
| Nov.   | Amt.<br>Date | 0.65<br>7/50     | 1.18<br>7/50     | 1.55<br>5/48       | 1.76<br>5/48       | 1.88<br>5/48                  | 2.66<br>19-20/50   |
| Dec.   | Amt.<br>Date | 0.72<br>2/50     | 0.89<br>2/50     | 1.20<br>31/47-1/48 | 1.92<br>31/47-1/48 | 2.86<br>31/47-1/48            | 2.99<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.98<br>4/22/44  | 2.34<br>8/17/46  | 3.05<br>8/17/46    | 3.35<br>8/17/46    | 4.03<br>7/3-4/43              | 4.42<br>1/23-24/49 |

U. S. WEATHER BUREAU

Station: MURPHYSBORO

Drainage basin: MISSISSIPPI

County: JACKSON

Lat. 37° 46' Long. 89° 19'

Elev.(ft.) 420

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                  |                    |                    |
|--------|--------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2               | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.63<br>25/50    | 1.18<br>25/50   | 1.45<br>25-26/50 | 1.79<br>25-26/50 | 2.79<br>31/47-1/48 | 3.73<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.58<br>26/45    | 0.95<br>14/49   | 1.25<br>26/45    | 2.08<br>25-26/45 | 3.05<br>25-26/45   | 4.14<br>25-26/45   |
| Mar.   | Amt.<br>Date | 0.69<br>26/50    | 1.17<br>26/49   | 1.37<br>26/59    | 1.63<br>26/49    | 2.53<br>18-19/43   | 2.88<br>25-26/49   |
| Apr.   | Amt.<br>Date | 1.86<br>30/40    | 2.67<br>30/40   | 2.81<br>30/40    | 2.81<br>30/40    | 3.10<br>30-1/40    | 3.20<br>13-14/45   |
| May    | Amt.<br>Date | 1.25<br>15/48    | 1.63<br>15/48   | 1.98<br>15/48    | 2.67<br>15/48    | 3.25<br>15-16/48   | 3.80<br>15-16/48   |
| Jun.   | Amt.<br>Date | 1.53<br>9/45     | 1.73<br>9/45    | 1.88<br>9/45     | 2.08<br>9/45     | 2.19<br>9/45       | 2.33<br>9-10/45    |
| Jul.   | Amt.<br>Date | 2.00<br>31/40    | 2.37<br>19/46   | 2.80<br>19/46    | 3.21<br>19/46    | 3.21<br>19/46      | 3.21<br>19/46      |
| Aug.   | Amt.<br>Date | 1.92<br>4/43     | 2.05<br>4/43    | 2.07<br>4/43     | 2.13<br>4/43     | 2.14<br>4-5/43     | 2.15<br>4-5/43     |
| Sep.   | Amt.<br>Date | 0.72<br>27/45    | 1.25<br>27/45   | 1.36<br>27/45    | 1.98<br>12-13/43 | 2.78<br>12-13/43   | 2.92<br>12-13/43   |
| Oct.   | Amt.<br>Date | 0.90<br>9/41     | 0.96<br>11/49   | 1.16<br>11/49    | 1.73<br>5/49     | 2.94<br>5/49       | 3.43<br>5-6/49     |
| Nov.   | Amt.<br>Date | 0.67<br>6/43     | 0.98<br>11/40   | 1.17<br>11/40    | 1.33<br>10-11/40 | 1.35<br>10-11/40   | 1.76<br>6-7/43     |
| Dec.   | Amt.<br>Date | 0.61<br>11/49    | 0.80<br>2/50    | 1.19<br>2/50     | 1.70<br>31/47    | 2.83<br>31/47      | 3.41<br>31/47-1/48 |
| Annual | Amt.<br>Date | 2.00<br>7/31/40  | 2.67<br>4/30/40 | 2.81<br>4/30/40  | 3.21<br>7/19/46  | 3.25<br>5/15-16/48 | 3.80<br>5/15-16/48 |

Station: NEWTON

Drainage basin: WABASH

County: JASPER

Lat. 39° 00" Long. 88° 10"

Elev.(ft.) 513

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                    |                    |                    |
|--------|--------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.96<br>29/47    | 1.38<br>29-30/47 | 1.50<br>29-30/47 | 1.69<br>31/47-1/48 | 2.65<br>3-4/50     | 3.53<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.42<br>25/45    | 0.72<br>14/49    | 0.92<br>14/49    | 1.11<br>14-15/49   | 1.84<br>13/46      | 2.34<br>13/46      |
| Mar.   | Amt.<br>Date | 0.63<br>26/49    | 0.73<br>26/49    | 0.82<br>26/49    | 1.00<br>30-31/45   | 1.49<br>30-31/45   | 2.24<br>30-31/45   |
| Apr.   | Amt.<br>Date | 0.69<br>25/45    | 1.19<br>25/45    | 1.37<br>25/45    | 1.55<br>25-26/45   | 1.75<br>24-25/47   | 2.53<br>30-1/46    |
| May    | Amt.<br>Date | 1.46<br>23/43    | 1.59<br>23-24/43 | 1.95<br>10/43    | 2.22<br>10/43      | 2.85<br>10-11/43   | 3.93<br>10-11/43   |
| Jun.   | Amt.<br>Date | 1.82<br>1/41     | 2.23<br>1/41     | 2.67<br>1/41     | 3.65<br>1/41       | 4.39<br>1/41       | 4.61<br>1/41       |
| Jul.   | Amt.<br>Date | 1.67<br>4/43     | 1.90<br>4/43     | 1.90<br>4/43     | 1.99<br>4/43       | 2.01<br>4-5/43     | 2.87<br>4-5/43     |
| Aug.   | Amt.<br>Date | 1.24<br>30/50    | 1.92<br>12/44    | 1.96<br>12/44    | 2.01<br>12/44      | 2.19<br>31-1/50    | 2.54<br>31-1/50    |
| Sep.   | Amt.<br>Date | 1.31<br>21/47    | 1.59<br>21/47    | 1.75<br>21/47    | 1.91<br>21/47      | 2.19<br>31-1/50    | 2.54<br>31-1/50    |
| Oct.   | Amt.<br>Date | 0.61<br>27/47    | 1.20<br>27/47    | 1.52<br>27/47    | 1.92<br>27/47      | 2.19<br>26-27/47   | 2.49<br>26-27/47   |
| Nov.   | Amt.<br>Date | 0.72<br>21/42    | 0.94<br>21/42    | 1.22<br>21/42    | 1.79<br>21/42      | 1.90<br>21/42      | 1.93<br>21/42      |
| Dec.   | Amt.<br>Date | 0.52<br>28/46    | 0.77<br>28/46    | 0.95<br>31/47    | 1.69<br>31/47-1/48 | 2.29<br>31/47-1/48 | 2.52<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.82<br>6/1/41   | 2.23<br>6/1/41   | 2.67<br>6/1/41   | 3.65<br>6/1/41     | 4.39<br>6/1/41     | 4.61<br>6/1-2/41   |



U. S. WEATHER BUREAU

Station: OREGON

Drainage basin: ROCK

County: OGLE

Lat. 42° 01" Long. 89° 20"

Elev.(ft.) 700

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                  |                  |                  |
|--------|--------------|------------------|-----------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2               | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.48<br>27/44    | 0.77<br>27/44   | 0.79<br>27/44    | 0.94<br>27/44    | 0.95<br>24-25/50 | 1.43<br>4-5/46   |
| Feb.   | Amt.<br>Date | 0.31<br>27/48    | 0.51<br>27/48   | 0.72<br>27/48    | 1.07<br>27/48    | 1.52<br>27/48    | 1.74<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.42<br>19/48    | 0.58<br>19/48   | 0.71<br>19/48    | 1.13<br>19/48    | 2.00<br>18-19/48 | 2.14<br>18-19/48 |
| Apr.   | Amt.<br>Date | 0.45<br>23/44    | 0.69<br>27/43   | 0.86<br>26-27/43 | 1.03<br>6-7/43   | 1.32<br>26-27/43 | 1.64<br>4-5/47   |
| May    | Amt.<br>Date | 0.99<br>15/41    | 1.18<br>15/41   | 1.19<br>15/41    | 1.19<br>15/41    | 1.50<br>13-14/45 | 2.35<br>31-1/47  |
| Jun.   | Amt.<br>Date | 1.63<br>22/44    | 1.71<br>2/50    | 1.91<br>2/50     | 2.34<br>2/50     | 2.40<br>2/50     | 2.40<br>2/50     |
| Jul.   | Amt.<br>Date | 0.99<br>28/45    | 1.35<br>29/49   | 1.41<br>29/49    | 1.49<br>29/49    | 1.49<br>29/49    | 1.49<br>29/49    |
| Aug.   | Amt.<br>Date | 3.21<br>17/46    | 3.94<br>17/46   | 4.08<br>17/46    | 4.21<br>17/46    | 4.21<br>17/46    | 4.21<br>17/46    |
| Sep.   | Amt.<br>Date | 1.23<br>8/41     | 1.99<br>21/50   | 2.10<br>21/50    | 2.35<br>21/47    | 3.20<br>21/47    | 3.25<br>7-8/41   |
| Oct.   | Amt.<br>Date | 0.98<br>21/49    | 1.23<br>21/49   | 1.30<br>21/49    | 1.30<br>21/49    | 1.30<br>21/49    | 1.40<br>21/49    |
| Nov.   | Amt.<br>Date | 0.45<br>6/43     | 0.70E<br>6/43   | 0.95<br>6/43     | 1.25<br>6/43     | 1.42<br>9/42     | 1.49<br>9-10/42  |
| Dec.   | Amt.<br>Date | 0.50<br>26/42    | 0.85<br>26/42   | 0.94<br>26/42    | 1.16<br>26-27/42 | 1.65<br>26-27/42 | 1.78<br>26-27/42 |
| Annual | Amt.<br>Date | 3.21<br>8/17/46  | 3.94<br>8/17/46 | 4.08<br>8/17/46  | 4.21<br>8/17/46  | 4.21<br>8/17/46  | 4.21<br>8/17/46  |

Station: PARIS

Drainage basin: WABASH

County: EDGAR

Lat. 39° 38' Long. 87° 42'

Elev.(ft.) 739

Period of record: 1940-1950 (BREAKS)

| Month  |              | Duration (hours) |                    |                    |                    |                     |                     |
|--------|--------------|------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12                  | 24                  |
| Jan.   | Amt.<br>Date | 1.01<br>29/47    | 1.21<br>29-30/47   | 1.36<br>29-30/47   | 2.20<br>18/49      | 2.91<br>18/49       | 2.99<br>18/49       |
| Feb.   | Amt.<br>Date | 0.75<br>14/49    | 0.95<br>14-15/49   | 1.18<br>14-15/49   | 1.43<br>14-15/49   | 2.02<br>14-15/49    | 2.43<br>14-15/49    |
| Mar.   | Amt.<br>Date | 0.45<br>21/48    | 0.71<br>12/48      | 0.81<br>21/48      | 1.21<br>30/45      | 1.90<br>30-31/45    | 2.13<br>30-31/45    |
| Apr.   | Amt.<br>Date | 0.64<br>12/48    | 0.78<br>12/48      | 1.01<br>30/40      | 1.47<br>30-1/40    | 1.72<br>30-1/40     | 2.10<br>10-11/44    |
| May    | Amt.<br>Date | 2.16<br>30/44    | 2.40<br>30/44      | 2.41<br>30/44      | 2.41<br>30/44      | 2.41<br>30/44       | 2.41<br>30/44       |
| Jun.   | Amt.<br>Date | 1.43<br>12/45    | 1.60<br>12/45      | 1.68<br>10/40      | 1.89<br>1/46       | 2.09<br>3-4/41      | 2.53<br>3-4/44      |
| Jul.   | Amt.<br>Date | 1.52<br>9/46     | 1.71<br>9-10/42    | 1.86<br>9-10/42    | 1.97<br>9-10/42    | 1.99<br>9-10/42     | 2.02<br>9-10/42     |
| Aug.   | Amt.<br>Date | 0.63<br>31/50    | 1.23<br>31/50      | 1.77<br>31/50      | 2.77<br>31/50      | 3.20<br>31-1/50     | 3.29<br>31-1/50     |
| Sep.   | Amt.<br>Date | 1.24<br>7/41     | 1.41<br>7/41       | 1.42<br>7/41       | 2.67<br>31-1/50    | 3.20<br>31-1/50     | 3.29<br>31-1/50     |
| Oct.   | Amt.<br>Date | 0.55<br>1/45     | 0.70<br>1/45       | 1.03<br>30/42      | 1.20<br>30/42      | 1.50<br>30/42       | 1.54<br>29-30/42    |
| Nov.   | Amt.<br>Date | 0.70<br>4/48     | 0.92<br>4/48       | 1.03<br>4/48       | 1.43<br>4-5/48     | 1.59<br>20-21/50    | 1.62<br>4-5/48      |
| Dec.   | Amt.<br>Date | 0.30<br>14/48    | 0.55<br>31/47-1/48 | 0.66<br>31/47-1/48 | 0.95<br>31/47-1/48 | 1.24<br>31/47-1/48  | 1.50<br>31/47-1/48  |
| Annual | Amt.<br>Date | 2.16<br>5/30/44  | 2.40<br>5/30/44    | 2.41<br>5/30/44    | 2.77<br>8/31/50    | 3.20<br>8/31-9/1/50 | 3.29<br>8/31-9/1/50 |

U. S. WEATHER BUREAU

Station: PEORIA LOCK and DAM

Drainage basin: ILLINOIS

County: PEORIA

Lat. 40° 37' Long. 89° 39'

Elev.(ft.) 445

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                  |                  |                  |
|--------|--------------|------------------|-----------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2               | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.42<br>13/50    | 0.56<br>13/50   | 0.77<br>13/50    | 1.16<br>13/50    | 1.56<br>12-13/50 | 1.65<br>12-13/50 |
| Feb.   | Amt.<br>Date | 0.31<br>28/48    | 0.50<br>6/42    | 0.71<br>5-6/42   | 1.11<br>5-6/42   | 1.80<br>5-6/42   | 2.44<br>5-6/42   |
| Mar.   | Amt.<br>Date | 1.26<br>14/44    | 1.56<br>14/44   | 1.70<br>14/44    | 1.86<br>14/44    | 2.22<br>14/44    | 3.60<br>14-15/44 |
| Apr.   | Amt.<br>Date | 1.10<br>5/47     | 1.84<br>5/47    | 2.57E<br>29/47   | 3.43<br>29/47    | 3.43<br>29/47    | 3.97<br>24/50    |
| May    | Amt.<br>Date | 0.69<br>29/44    | 0.96<br>14/41   | 1.48<br>14/41    | 2.10<br>14/41    | 2.27<br>14/41    | 2.27<br>14/41    |
| Jun.   | Amt.<br>Date | 1.35<br>26/48    | 1.93<br>26/48   | 1.95<br>26/48    | 2.15<br>19/46    | 2.66<br>11-12/46 | 3.62<br>11-12/46 |
| Jul.   | Amt.<br>Date | 1.25<br>6/42     | 1.61<br>6/42    | 1.92<br>6/42     | 2.90<br>5/48     | 3.20<br>5/48     | 3.92<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.43<br>3/43     | 1.55<br>3/43    | 1.57<br>3/43     | 1.61<br>3/43     | 2.21<br>2-3/43   | 2.58<br>2-3/43   |
| Sep.   | Amt.<br>Date | 1.25<br>28/45    | 1.55<br>28/45   | 1.85<br>24-25/41 | 2.20<br>24-25/41 | 2.53<br>24-25/41 | 2.58<br>11-12/44 |
| Oct.   | Amt.<br>Date | 0.89<br>6/40     | 1.45<br>6/40    | 1.88<br>6/40     | 2.13<br>6/40     | 2.13<br>6/40     | 2.38<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.44<br>12/45    | 0.60<br>3/46    | 0.70<br>3/46     | 1.16<br>2-3/46   | 1.63<br>2-3/46   | 1.63<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.80<br>11/49    | 1.25<br>11/49   | 1.39<br>11/49    | 1.50<br>21/49    | 1.94<br>21/49    | 3.25<br>20-21/49 |
| Annual | Amt.<br>Date | 1.43<br>8/3/43   | 1.93<br>6/26/48 | 2.57E<br>4/29/47 | 3.43<br>4/29/47  | 3.43<br>4/29/47  | 3.97<br>4/24/50  |

U. S. WEATHER BUREAU

Station: PEORIA WB AP\*

Drainage basin: ILLINOIS

County: PEORIA

Lat. 40° 40' Long. 89° 41'

Elev.(ft.) 654

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                  |                  |                   |
|--------|--------------|------------------|-----------------|------------------|------------------|------------------|-------------------|
|        |              | 1                | 2               | 3                | 6                | 12               | 24                |
| Jan.   | Amt.<br>Date | 0.36<br>29/47    | 0.72<br>29/47   | 0.87<br>29/47    | 0.95<br>13/50    | 1.31<br>12-13/50 | 1.39<br>12-13/50  |
| Feb.   | Amt.<br>Date | 0.48<br>6/42     | 0.82<br>5-6/42  | 1.03<br>5-6/42   | 1.64<br>5-6/42   | 2.63<br>5-6/42   | 3.21<br>5-6/42    |
| Mar.   | Amt.<br>Date | 0.75<br>14/44    | 1.27<br>14/44   | 1.46<br>14/44    | 1.79<br>14/44    | 1.96<br>14/44    | 3.39x<br>14-15/44 |
| Apr.   | Amt.<br>Date | 1.57x<br>29/47   | 1.85<br>29/47   | 3.02x<br>29/47   | 3.10<br>29/47    | 3.54<br>24/50    | 5.06<br>24/50     |
| May    | Amt.<br>Date | 0.78<br>16/41    | 1.17<br>29/44   | 1.45<br>29/44    | 1.26<br>14/41    | 1.66<br>14/41    | 1.98<br>30-1/44   |
| Jun.   | Amt.<br>Date | 2.23x<br>11/40   | 2.28<br>11/40   | 2.28<br>11/40    | 2.82<br>11/40    | 2.94<br>11/40    | 3.46<br>18-19/50  |
| Jul.   | Amt.<br>Date | 1.29<br>21/49    | 1.71<br>5/48    | 2.09<br>25/48    | 2.71<br>5/48     | 2.96<br>5/48     | 3.21<br>16-17/50  |
| Aug.   | Amt.<br>Date | 0.88<br>3/43     | 1.48<br>3/43    | 1.63<br>3/43     | 1.64<br>3/43     | 1.64<br>3/43     | 2.59<br>2-3/43    |
| Sep.   | Amt.<br>Date | 1.13<br>28/45    | 1.53<br>28/45   | 1.78<br>28/45    | 2.28<br>24-25/41 | 2.30<br>24-25/41 | 2.63<br>27-28/45  |
| Oct.   | Amt.<br>Date | 1.15<br>17/47    | 1.32<br>6/41    | 1.55<br>6/41     | 1.75<br>6/41     | 2.23<br>2/41     | 2.58<br>2-3/41    |
| Nov.   | Amt.<br>Date | 0.61<br>12/45    | 0.76<br>3/46    | 1.04<br>3/46     | 1.54<br>3/46     | 2.44<br>2-3/46   | 2.45<br>2-3/46    |
| Dec.   | Amt.<br>Date | 0.81w<br>20/49   | 0.96w<br>20/49  | 1.05<br>21/49    | 1.53<br>21/49    | 1.82<br>20/49    | 3.37<br>20-21/49  |
| Annual | Amt.<br>Date | 2.23x<br>6/11/40 | 2.28<br>6/11/40 | 3.02x<br>4/29/47 | 3.10<br>4/29/47  | 3.54<br>4/24/50  | 5.06<br>4/24/50   |

\*Formerly WB City. Given for comparative purposes.  
See next page for complete record.

U. S. WEATHER BUREAU

Station: PEORIA WB AP\*

Drainage basin: ILLINOIS

County: PEORIA

Lat. 40° 40' Long. 89° 41'

Elev.(ft.) 654

Period of record: 1905-1950

| Month  |              | Duration (hours)           |                              |                            |                  |                    |                               |
|--------|--------------|----------------------------|------------------------------|----------------------------|------------------|--------------------|-------------------------------|
|        |              | 1                          | 2                            | 3                          | 6                | 12                 | 24                            |
| Jan.   | Amt.<br>Date | 0.55<br>14/32              | 0.72 <sup>a</sup><br>5/39    | 0.91<br>23/38              | 1.70<br>23/38    | 2.54<br>23-24/38   | 3.15 <sup>x</sup><br>23-24/38 |
| Feb.   | Amt.<br>Date | 0.72 <sup>x</sup><br>11/32 | 0.82<br>5-6/42               | 1.07 <sup>w</sup><br>9/39  | 1.64<br>5-6/42   | 2.63<br>5-6/42     | 3.21<br>5-6/42                |
| Mar.   | Amt.<br>Date | 1.23 <sup>x</sup><br>31/33 | 1.49 <sup>w</sup><br>31/33   | 1.75<br>31/33              | 2.23<br>31/33    | 2.26<br>31-1/33    | 3.39 <sup>x</sup><br>14-15/44 |
| Apr.   | Amt.<br>Date | 1.57 <sup>x</sup><br>29/47 | 1.85<br>29/47                | 3.02 <sup>w</sup><br>29/47 | 3.10<br>29/47    | 3.54<br>24/50      | 5.06<br>24/50                 |
| May    | Amt.<br>Date | 2.28 <sup>x</sup><br>28/29 | 2.35<br>18/27                | 3.48<br>18/27              | 4.33<br>18/27    | 4.69<br>28-29/15   | 5.52 <sup>x</sup><br>18/27    |
| Jun.   | Amt.<br>Date | 2.23 <sup>x</sup><br>11/40 | 2.40<br>24/38                | 3.08<br>24/38              | 3.14<br>24/38    | 4.63<br>24/11      | 4.74 <sup>x</sup><br>24/11    |
| Jul.   | Amt.<br>Date | 2.60<br>2/31               | 2.61<br>2/31                 | 2.62<br>2/31               | 2.85<br>13-14/34 | 3.57<br>2-3/31     | 3.94 <sup>x</sup><br>2-3/31   |
| Aug.   | Amt.<br>Date | 1.41<br>19-20/24           | 2.12<br>10/16                | 2.40<br>10-11/16           | 3.68<br>10-11/16 | 4.44<br>31-1/26    | 4.49 <sup>x</sup><br>31-1/26  |
| Sep.   | Amt.<br>Date | 2.24 <sup>x</sup><br>10/11 | 3.18 <sup>x</sup><br>10/11   | 3.29<br>10/11              | 3.37<br>10/11    | 4.44<br>31-1/26    | 4.49 <sup>x</sup><br>31-1/26  |
| Oct.   | Amt.<br>Date | 1.83 <sup>x</sup><br>26/39 | 2.36 <sup>x</sup><br>26/39   | 2.44 <sup>w</sup><br>26/39 | 2.45<br>26/39    | 2.81<br>26-27/39   | 3.09 <sup>x</sup><br>26-27/39 |
| Nov.   | Amt.<br>Date | 1.06 <sup>x</sup><br>11/11 | 1.22 <sup>x</sup><br>22/31   | 1.56<br>22/31              | 2.26<br>22/31    | 2.59<br>22/31      | 2.59 <sup>x</sup><br>22/31    |
| Dec.   | Amt.<br>Date | 0.81 <sup>w</sup><br>20/49 | 0.96 <sup>w</sup><br>20/49   | 1.23<br>22-23/32           | 1.61<br>22-23/32 | 1.99<br>22-23/32   | 3.37<br>20-21/49              |
| Annual | Amt.<br>Date | 2.60<br>7/2/31             | 3.18 <sup>a</sup><br>9/10/11 | 3.48<br>5/18/27            | 4.33<br>5/18/27  | 4.69<br>5/28-29/15 | 5.52 <sup>x</sup><br>5/18/27  |

\*Formerly WB City.

<sup>a</sup> Also 29/47

U. S. WEATHER BUREAU

Station: PIPER CITY

Drainage basin: ILLINOIS

County: FORD

Lat. 40° 45' Long. 88° 11'

Elev.(ft.) 670

1942-1944 (BREAKS)  
Period of record: and 1949-1950

| Month  |              | Duration (hours) |                  |                  |                  |                  |                     |
|--------|--------------|------------------|------------------|------------------|------------------|------------------|---------------------|
|        |              | 1                | 2                | 3                | 6                | 12               | 24                  |
| Jan.   | Amt.<br>Date | 0.78<br>25/50    | 0.83<br>25/50    | 0.83<br>25/50    | 1.25<br>23/50    | 1.64<br>23-24/50 | 1.71<br>23-24/50    |
| Feb.   | Amt.<br>Date | 0.30<br>22/44    | 0.37<br>21-22/44 | 0.44<br>21-22/44 | 0.50<br>21-22/44 | 0.62<br>25/44    | 0.71<br>14-15/49    |
| Mar.   | Amt.<br>Date | 0.30<br>26/50    | 0.46<br>22/49    | 0.52<br>22/49    | 0.73<br>14-15/44 | 1.06<br>14-15/44 | 1.29<br>14-15/44    |
| Apr.   | Amt.<br>Date | 0.59a<br>23/44   | 1.01<br>22/44    | 1.28<br>22/44    | 1.42<br>21-22/44 | 1.66<br>10-11/44 | 3.00<br>24-25/50    |
| May    | Amt.<br>Date | 0.53<br>5/49     | 0.87<br>6/43     | 1.17<br>6/43     | 1.24<br>6/43     | 1.36<br>6-7/43   | 2.08<br>10-11/43    |
| Jun.   | Amt.<br>Date | 1.30<br>12/44    | 1.55<br>12/44    | 1.64<br>12/44    | 1.65<br>12/44    | 1.65<br>12/44    | 2.02<br>12-13/44    |
| Jul.   | Amt.<br>Date | 1.05<br>8/44     | 1.37<br>8/44     | 1.44<br>8/44     | 1.45<br>8/44     | 1.45<br>8/44     | 1.45<br>8/44        |
| Aug.   | Amt.<br>Date | 0.72<br>22/44    | 0.73<br>22/44    | 0.73<br>22/44    | 0.82<br>30-31/44 | 0.82<br>30-31/44 | 0.82<br>30-31/44    |
| Sep.   | Amt.<br>Date | 1.18<br>21/50    | 1.53<br>21/50    | 1.53<br>21/50    | 1.53<br>21/50    | 1.53<br>21/50    | 1.92<br>21/50       |
| Oct.   | Amt.<br>Date | 0.33<br>6/49     | 0.60<br>30/42    | 0.70b<br>30/42   | 1.02<br>6/49     | 1.27<br>5-6/49   | 1.27<br>5-6/49      |
| Nov.   | Amt.<br>Date | 0.41<br>9/42     | 0.64<br>9/42     | 0.77<br>9/42     | 1.19<br>9/42     | 1.48<br>9/42     | 1.93<br>9/42        |
| Dec.   | Amt.<br>Date | 0.57<br>20/49    | 0.75<br>20/49    | 0.90<br>20/49    | 1.46<br>21/49    | 2.40<br>21/49    | 3.19<br>20-21/49    |
| Annual | Amt.<br>Date | 1.30<br>6/12/44  | 1.55<br>6/12/44  | 1.64<br>6/12/44  | 1.65<br>6/12/44  | 2.40<br>12/21/49 | 3.19<br>12/20-21/49 |

a Also 24/50  
b Also 6/49

U.S. WEATHER BUREAU

Station: PITTSFIELD

Drainage basin: MISSISSIPPI

County: PIKE

Lat. 39° 39' Long. 90° 48'

Elev.(ft.) 724

Period of record: 1940-1950

| Month  |              | Duration (hours) |                    |                    |                    |                  |                    |
|--------|--------------|------------------|--------------------|--------------------|--------------------|------------------|--------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.55<br>13/50    | 0.78<br>13/50      | 0.95<br>13/50      | 1.05<br>13/50      | 1.10<br>12-13/50 | 1.42<br>31/40-1/41 |
| Feb.   | Amt.<br>Date | 0.36<br>21/44    | 0.47<br>4/42       | 0.72<br>4/42       | 1.16<br>4/42       | 1.27<br>4/42     | 1.84<br>4-5/42     |
| Mar.   | Amt.<br>Date | 1.57<br>16/42    | 2.05<br>16/42      | 2.31<br>16/42      | 2.37<br>16/42      | 2.37<br>16/42    | 2.37<br>16/42      |
| Apr.   | Amt.<br>Date | 0.60<br>19/41    | 1.00<br>10/44      | 1.49<br>10/44      | 1.92<br>10/44      | 2.40<br>10/44    | 2.78<br>10-11/44   |
| May    | Amt.<br>Date | 1.38<br>15/46    | 1.49<br>15/46      | 1.52<br>15/43      | 1.68<br>7-8/43     | 1.81<br>7-8/43   | 2.29<br>14-15/43   |
| Jun.   | Amt.<br>Date | 1.28<br>9/41     | 1.42<br>9/45       | 1.90<br>9/45       | 3.17<br>9-10/45    | 3.93<br>8-9/45   | 3.94<br>8-9/45     |
| Jul.   | Amt.<br>Date | 1.75<br>19/46    | 2.39<br>19-20/46   | 2.41<br>19-20/46   | 2.51<br>19-20/46   | 3.36<br>20/49    | 3.67<br>19-20/49   |
| Aug.   | Amt.<br>Date | 1.22<br>15/46    | 2.10<br>15/46      | 2.63<br>15-16/46   | 3.86<br>15-16/46   | 4.13<br>15-16/46 | 4.14<br>15-16/46   |
| Sep.   | Amt.<br>Date | 0.97<br>6/46     | 1.24<br>22/45      | 1.52<br>24/41      | 2.10<br>24-25/41   | 2.23<br>24-25/41 | 2.99<br>13-14/45   |
| Oct.   | Amt.<br>Date | 1.21<br>5/49     | 1.38<br>5/49       | 1.56<br>5/49       | 2.45<br>4/41       | 4.53<br>4/41     | 5.38<br>4-5/41     |
| Nov.   | Amt.<br>Date | 0.60<br>3/46     | 0.96<br>3/46       | 1.20<br>2-3/46     | 1.44<br>31-1/46    | 2.25<br>2-3/46   | 2.27<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.43<br>21/49    | 0.79<br>26/42      | 1.02<br>26/42      | 1.56<br>26/42      | 2.18<br>26-27/42 | 2.71<br>20-21/49   |
| Annual | Amt.<br>Date | 1.75<br>6/19/46  | 2.39<br>7/19-20/46 | 2.63<br>8/15-16/46 | 3.86<br>8/15-16/46 | 4.53<br>10/4/41  | 5.38<br>10/4-5/41  |



U. S. WEATHER BUREAU

Station: PRAIRIE DU ROCHER

Drainage basin: MISSISSIPPI

County: RANDOLPH

Lat. 38° 05' Long. 90° 06'

Elev.(ft.) 390

Period of record: 1940-1950 (BREAKS)

| Month  |              | Duration (hours) |                |                |                  |                   |                  |
|--------|--------------|------------------|----------------|----------------|------------------|-------------------|------------------|
|        |              | 1                | 2              | 3              | 6                | 12                | 24               |
| Jan.   | Amt.<br>Date | 1.52<br>3/50     | 2.57<br>3/50   | 3.22<br>3/50   | 3.87<br>3/50     | 6.25<br>3-4/50    | 7.74<br>3-4/50   |
| Feb.   | Amt.<br>Date | 0.64<br>14/49    | 1.05<br>13/46  | 1.28<br>13/46  | 1.80<br>12/50    | 3.29<br>12-13/50  | 4.11<br>12-13/50 |
| Mar.   | Amt.<br>Date | 0.68<br>11/50    | 0.92<br>11/50  | 1.13<br>11/50  | 1.56<br>11/50    | 2.01<br>11/50     | 2.81<br>29-30/45 |
| Apr.   | Amt.<br>Date | 0.67<br>13/45    | 0.88<br>30/46  | 1.10<br>30/46  | 1.73<br>30/46    | 2.20<br>30-1/46   | 2.93<br>30-1/46  |
| May    | Amt.<br>Date | 1.14<br>24/47    | 1.17<br>24/47  | 1.18<br>24/47  | 1.48<br>15-16/46 | 2.20<br>30-1/46   | 2.93<br>30-1/46  |
| Jun.   | Amt.<br>Date | 1.25<br>30/47    | 2.35<br>30/47  | 2.80<br>30/47  | 2.97<br>30/47    | 2.99<br>30-1/47   | 3.04<br>30-1/47  |
| Jul.   | Amt.<br>Date | 1.42<br>10/46    | 1.42<br>10/46  | 1.42a<br>9/42  | 1.59<br>9/42     | 2.99<br>30-1/47   | 3.04<br>30-1/47  |
| Aug.   | Amt.<br>Date | 1.95<br>5/46     | 3.70<br>5/46   | 4.47<br>5/46   | 5.18<br>5/46     | 5.20<br>5/46      | 5.20<br>5/46     |
| Sep.   | Amt.<br>Date | 0.95<br>17/41    | 1.67<br>9/47   | 1.76<br>9/47   | 1.86<br>9/47     | 1.89b<br>12-13/45 | 2.44<br>12-13/45 |
| Oct.   | Amt.<br>Date | 1.11<br>30/42    | 1.69<br>30/42  | 2.24<br>30/42  | 3.45<br>29-30/42 | 4.21<br>29-30/42  | 4.26<br>29-30/42 |
| Nov.   | Amt.<br>Date | 0.58<br>4/48     | 1.15<br>4/48   | 1.40<br>4/48   | 1.55<br>4-5/48   | 1.64<br>7/50      | 1.67<br>7-8/50   |
| Dec.   | Amt.<br>Date | 0.73<br>21/49    | 0.93<br>21/49  | 1.21E<br>2/50  | 1.82<br>2/50     | 1.87<br>26-27/42  | 2.55<br>21/49    |
| Annual | Amt.<br>Date | 1.95<br>8/5/46   | 3.70<br>8/5/46 | 4.47<br>8/5/46 | 5.18<br>8/5/46   | 6.25<br>1/3-4/50  | 7.74<br>1/3-4/50 |

a. - Also 10/46  
b. - Also 9/47



U. S. WEATHER BUREAU

Station: PRINCETON

Drainage basin: ILLINOIS

County: BUREAU

Lat. 41° 21' Long. 89° 28'

Elev.(ft.)700

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                    |                    |                    |
|--------|--------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.33<br>3/50     | 0.57<br>3/50     | 0.62<br>3/50     | 0.93<br>8-9/46     | 1.16<br>12-13/50   | 1.41<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.30a<br>6/42    | 0.55<br>6/42     | 0.72<br>6/42     | 1.09<br>6/42       | 1.78<br>6/42       | 1.98<br>6/42       |
| Mar.   | Amt.<br>Date | 0.52<br>16/46    | 0.76<br>19/48    | 0.86<br>19/48    | 1.61<br>19/48      | 2.25<br>19/48      | 2.41<br>13-14/44   |
| Apr.   | Amt.<br>Date | 1.15<br>27/43    | 1.56<br>26-27/43 | 2.69<br>26-27/43 | 3.17<br>26-27/43   | 3.81<br>26-27/43   | 3.82<br>26-27/43   |
| May    | Amt.<br>Date | 2.22<br>30/41    | 2.62<br>30/41    | 2.68<br>30/41    | 3.01<br>30-31/41   | 3.01<br>30-31/41   | 3.24<br>30-31/41   |
| Jun.   | Amt.<br>Date | 1.67<br>13/50    | 1.82<br>13/50    | 2.00<br>13/50    | 2.25<br>13/50      | 2.25<br>13/50      | 2.52<br>12/46      |
| Jul.   | Amt.<br>Date | 2.01<br>23/41    | 2.83<br>23/41    | 2.94<br>21/49    | 2.96<br>22-23/41   | 2.97<br>22-23/41   | 3.00<br>20-21/49   |
| Aug.   | Amt.<br>Date | 1.68<br>29/47    | 2.26<br>1/42     | 2.26<br>1/42     | 2.26<br>1/42       | 2.59<br>29/47      | 2.68<br>28-29/47   |
| Sep.   | Amt.<br>Date | 1.13<br>4/41     | 1.56<br>21/47    | 1.72<br>21/47    | 2.18<br>21/47      | 2.56<br>21/47      | 2.61<br>21/47      |
| Oct.   | Amt.<br>Date | 1.44<br>6/41     | 1.61<br>6/41     | 1.73<br>6/41     | 2.17<br>6/41       | 2.72<br>6/41       | 2.79<br>6-7/41     |
| Nov.   | Amt.<br>Date | 0.54<br>12/45    | 0.63<br>12/45    | 0.63<br>12/45    | 0.88<br>2-3/46     | 1.08<br>12/45      | 1.17<br>2-3/46     |
| Dec.   | Amt.<br>Date | 0.26<br>20/49    | 0.50<br>20/49    | 0.65<br>20/49    | 0.84<br>12/46      | 1.38<br>12/46      | 1.63<br>11-12/46   |
| Annual | Amt.<br>Date | 2.22<br>5/30/41  | 2.83<br>7/23/41  | 2.94<br>7/21/49  | 3.17<br>4/26-27/43 | 3.81<br>4/26-27/43 | 3.82<br>4/26-27/43 |

a. - Also 27/48

U. S. WEATHER BUREAU

Station: PROPHEETSTOWN

Drainage basin: ROCK

County: WHITESIDE

Lat. 41° 40' Long. 89° 56'

Elev.(ft.) 625

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                  |                    |                    |
|--------|--------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.61E<br>29/47   | 0.72E<br>29/47   | 1.03E<br>29/47   | 1.27<br>29/47    | 1.57E<br>29/47     | 1.65<br>29-30/47   |
| Feb.   | Amt.<br>Date | 0.27<br>27/48    | 0.51<br>27/48    | 0.61<br>27/48    | 1.14<br>27/48    | 1.50<br>27/48      | 1.61<br>27-28/48   |
| Mar.   | Amt.<br>Date | 1.08<br>30/49    | 1.14<br>30-31/49 | 1.20<br>30-31/49 | 1.22<br>30-31/49 | 1.60<br>30/49      | 1.67<br>30-31/49   |
| Apr.   | Amt.<br>Date | 1.02<br>5/47     | 1.22<br>4-5/47   | 1.37<br>4-5/47   | 1.66<br>4-5/47   | 2.12<br>4-5/47     | 2.31<br>4-5/47     |
| May    | Amt.<br>Date | 0.85<br>19/44    | 0.88<br>19/44    | 0.98<br>31/41    | 1.18<br>19-20/44 | 1.55<br>31-1/47    | 2.12<br>30-31/41   |
| Jun.   | Amt.<br>Date | 1.81<br>17/46    | 1.91<br>27/45    | 1.96<br>17/46    | 2.27<br>17/46    | 3.27<br>3/41       | 3.66<br>2-3/41     |
| Jul.   | Amt.<br>Date | 1.45<br>22/41    | 2.48<br>21/49    | 2.51<br>21/49    | 2.94<br>22-23/41 | 3.15<br>22-23/41   | 3.15<br>22-23/41   |
| Aug.   | Amt.<br>Date | 2.29<br>14/45    | 3.54<br>14/45    | 4.22<br>14/45    | 4.29<br>14/45    | 4.33<br>13-14/45   | 4.33<br>13-14/45   |
| Sep.   | Amt.<br>Date | 0.86<br>7/41     | 1.33<br>7/41     | 1.65<br>21/47    | 2.94<br>21/47    | 3.94<br>21/47      | 3.94<br>21/47      |
| Oct.   | Amt.<br>Date | 0.89<br>22/41    | 1.21<br>22/41    | 1.24<br>22/41    | 1.34<br>22/41    | 1.45<br>22/41      | 1.60<br>22-23/41   |
| Nov.   | Amt.<br>Date | 0.55<br>12/49    | 0.64<br>6/43     | 0.87<br>6/43     | 1.17<br>6/43     | 1.30<br>6/43       | 1.35<br>6-7/43     |
| Dec.   | Amt.<br>Date | 0.38<br>26/42    | 0.68<br>26/42    | 0.80<br>26/42    | 1.30<br>26/42    | 2.45<br>26/42      | 2.91<br>26-27/42   |
| Annual | Amt.<br>Date | 2.29<br>8/14/45  | 3.54<br>8/14/45  | 4.22<br>8/14/45  | 4.29<br>8/14/45  | 4.33<br>8/13-14/45 | 4.33<br>8/13-14/45 |

U. S. WEATHER BUREAU

Station: QUINCY DAM

Drainage basin: MISSISSIPPI

County: ADAMS

Lat. 39° 54' Long. 91° 26'

Elev.(ft.) 483

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                  |                    |
|--------|--------------|------------------|-----------------|-----------------|------------------|------------------|--------------------|
|        |              | 1                | 2               | 3               | 6                | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.72<br>11/49    | 0.75<br>11/49   | 0.75<br>11/49   | 0.85<br>11/49    | 1.27<br>1/48     | 1.44<br>31/47-1/48 |
| Feb.   | Amt.<br>Date | 0.37<br>8/50     | 0.41<br>8/50    | 0.55<br>5/42    | 0.86<br>4/42     | 1.49<br>4/42     | 1.64<br>4/42       |
| Mar.   | Amt.<br>Date | 0.77<br>19/48    | 0.79<br>19/48   | 0.81<br>19/48   | 1.38<br>18-19/48 | 2.00<br>14-15/44 | 2.26<br>19-20/45   |
| Apr.   | Amt.<br>Date | 0.98<br>29/42    | 1.58<br>29/42   | 1.62<br>29/42   | 2.24<br>10/44    | 3.22<br>10/44    | 3.43<br>10/44      |
| May    | Amt.<br>Date | 1.01<br>31/42    | 1.02<br>31/41   | 1.11<br>31/42   | 1.15<br>31/42    | 1.38<br>3/46     | 1.42<br>7-8/43     |
| Jun.   | Amt.<br>Date | 1.25a<br>9/41    | 1.50<br>23/49   | 2.03<br>23/49   | 2.78<br>23/49    | 2.79<br>23/49    | 2.98<br>22-23/49   |
| Jul.   | Amt.<br>Date | 2.60<br>20/49    | 3.48<br>20/49   | 3.65<br>20/49   | 5.70<br>20/49    | 7.43<br>20/49    | 7.53<br>19-20/49   |
| Aug.   | Amt.<br>Date | 2.06<br>5/40     | 2.41<br>5/40    | 3.00<br>8/43    | 4.83<br>8/43     | 4.90<br>8/43     | 4.90<br>8/43       |
| Sep.   | Amt.<br>Date | 1.55<br>16/44    | 2.55<br>16/44   | 2.62<br>16/44   | 3.14<br>21/47    | 3.90<br>20-21/47 | 4.00<br>20-21/47   |
| Oct.   | Amt.<br>Date | 1.17<br>17/46    | 1.60<br>4/44    | 1.70<br>4/44    | 2.59<br>17/46    | 3.48<br>17/46    | 4.00<br>17/46      |
| Nov.   | Amt.<br>Date | 0.51<br>9/42     | 0.91<br>9/42    | 1.10<br>9/42    | 1.30<br>9/42     | 1.33<br>9/42     | 1.36<br>9/42       |
| Dec.   | Amt.<br>Date | 0.60<br>26/42    | 0.80<br>26/42   | 1.04<br>26/42   | 1.48<br>26/42    | 2.26<br>26-27/42 | 2.36<br>26-27/42   |
| Annual | Amt.<br>Date | 2.60<br>7/20/49  | 3.48<br>7/20/49 | 3.65<br>7/20/49 | 5.70<br>7/20/49  | 7.43<br>7/20/49  | 7.53<br>7/19-20/49 |

a. - Also 12/46

U. S. WEATHER BUREAU

Station: RANTOUL, CHANUTE AFB

Drainage basin: WABASH

County: CHAMPAIGN

Lat. 40° 18' Long. 88° 09'

Elev.(ft.)744

Period of record: 1940-1950

| Month  |              | Duration (hours) |                |                  |                  |                  |                  |
|--------|--------------|------------------|----------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2              | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.40<br>3/50     | 0.64<br>29/47  | 0.78<br>4/50     | 1.43<br>3-4/50   | 2.21<br>3-4/50   | 3.53<br>3-4/50   |
| Feb.   | Amt.<br>Date | 0.64<br>5/43     | 0.91<br>5/43   | 1.03<br>5-6/43   | 1.32<br>14/49    | 1.67<br>14-15/49 | 1.70<br>14-15/49 |
| Mar.   | Amt.<br>Date | 0.91<br>16/42    | 1.14<br>16/43  | 1.28<br>16/43    | 1.41<br>16/43    | 2.04<br>16/43    | 3.27<br>16-17/43 |
| Apr.   | Amt.<br>Date | 0.69<br>11/44    | 1.06<br>11/44  | 1.39<br>10-11/44 | 1.70<br>10-11/44 | 2.06<br>10-11/44 | 2.42<br>10-11/44 |
| May    | Amt.<br>Date | 0.66a<br>30/41   | 0.75<br>23/44  | 0.90<br>19/49    | 1.56<br>3-4/46   | 1.89<br>3-4/46   | 2.14<br>1/46     |
| Jun.   | Amt.<br>Date | 1.53<br>24/50    | 1.80<br>9/41   | 1.88<br>9/41     | 1.88<br>9/41     | 1.88<br>9/41     | 2.83<br>9-10/41  |
| Jul.   | Amt.<br>Date | 1.07<br>15/48    | 1.41<br>2/50   | 1.55<br>17/50    | 1.91<br>16-17/50 | 2.08<br>16-17/50 | 2.69<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.55<br>3/43     | 2.17<br>3/43   | 2.32<br>3/43     | 3.12<br>3/43     | 3.84<br>3/43     | 3.88<br>3/43     |
| Sep.   | Amt.<br>Date | 1.05<br>9/42     | 1.40<br>21/50  | 1.41<br>21/50    | 1.50<br>11/44    | 2.43<br>21/50    | 2.62<br>13-14/45 |
| Oct.   | Amt.<br>Date | 0.55<br>31/43    | 0.76<br>5/41   | 1.13<br>17/46    | 1.55<br>17/46    | 2.17<br>17/46    | 2.96<br>2-3/49   |
| Nov.   | Amt.<br>Date | 0.82<br>9/42     | 1.52<br>9/42   | 1.60<br>9/42     | 1.62<br>9/42     | 1.70<br>9/42     | 2.04<br>9-10/42  |
| Dec.   | Amt.<br>Date | 0.30<br>5/48     | 0.43<br>5/48   | 0.56<br>3/47     | 0.84<br>3/47     | 1.02<br>3/47     | 1.30<br>3-4/47   |
| Annual | Amt.<br>Date | 1.55<br>8/3/43   | 2.17<br>8/3/43 | 2.32<br>8/3/43   | 3.12<br>8/3/43   | 3.84<br>8/3/43   | 3.88<br>8/3/43   |

a. - Also 23/44

U. S. WEATHER BUREAU

Station: RICHVIEW

Drainage basin: KASKASKIA

County: WASHINGTON

Lat. 38° 22' Long. 89° 11'

Elev.(ft.) 544

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                    |                      |
|--------|--------------|------------------|-----------------|-----------------|------------------|--------------------|----------------------|
|        |              | 1                | 2               | 3               | 6                | 12                 | 24                   |
| Jan.   | Amt.<br>Date | 1.28<br>29/47    | 1.61<br>29/47   | 1.71<br>29/47   | 1.85<br>3/50     | 2.89<br>3-4/50     | 3.77<br>3-4/50       |
| Feb.   | Amt.<br>Date | 0.60<br>14/49    | 1.10<br>14/49   | 1.35<br>14/49   | 1.49<br>14-15/49 | 2.13<br>13/46      | 3.04<br>13/46        |
| Mar.   | Amt.<br>Date | 0.41<br>18/46    | 0.67<br>18/45   | 0.87<br>1-2/45  | 1.08<br>30/45    | 1.80<br>30/45      | 2.91<br>29-30/45     |
| Apr.   | Amt.<br>Date | 1.22<br>22/44    | 1.39<br>22/44   | 1.56<br>23/44   | 1.78<br>22/44    | 3.02<br>22-23/44   | 3.44<br>22-23/44     |
| May    | Amt.<br>Date | 1.13<br>27/44    | 1.25<br>10/46   | 1.29<br>10/46   | 1.87<br>19/43    | 2.59<br>19/43      | 3.03<br>9-10/43      |
| Jun.   | Amt.<br>Date | 1.61<br>13/50    | 2.10<br>9/41    | 2.32<br>9/41    | 2.38<br>9-10/41  | 2.40<br>9-10/41    | 2.46<br>9-10/41      |
| Jul.   | Amt.<br>Date | 1.22<br>26/47    | 1.59<br>8/42    | 2.09<br>3/50    | 3.05<br>3/50     | 3.20<br>3-4/50     | 3.40<br>3-4/50       |
| Aug.   | Amt.<br>Date | 1.62<br>15/46    | 3.12<br>15/46   | 3.99<br>15/46   | 5.72<br>15/46    | 7.18<br>15-16/46   | 11.47E<br>15-16/46   |
| Sep.   | Amt.<br>Date | 1.02<br>27/45    | 1.34<br>27/45   | 1.34<br>27/45   | 1.78<br>12/49    | 2.08<br>12-13/49   | 3.74<br>12-13/49     |
| Oct.   | Amt.<br>Date | 0.77<br>18/41    | 0.93<br>24/46   | 1.04<br>24/46   | 1.38<br>11/49    | 1.89<br>5/49       | 2.21<br>5-6/49       |
| Nov.   | Amt.<br>Date | 0.53<br>19/50    | 0.95<br>8/45    | 0.98a<br>8/45   | 1.32<br>7/50     | 1.73<br>7/50       | 2.01<br>5-6/41       |
| Dec.   | Amt.<br>Date | 0.59<br>31/47    | 0.93<br>31/47   | 1.30<br>31/47   | 2.11<br>31/47    | 2.83<br>31/47-1/48 | 2.96<br>31/47-1/48   |
| Annual | Amt.<br>Date | 1.62<br>8/15/46  | 3.12<br>8/15/46 | 3.99<br>8/15/46 | 5.72<br>8/15/46  | 7.18<br>8/15-16/46 | 11.47E<br>8/15-16/46 |

a. - Also 7/50

U.S. WEATHER BUREAU

Station: SKOKIE, N SIDE

Drainage basin: LAKE MICHIGAN

County: COOK

Lat. 42° 01' Long. 87° 43'

Elev.(ft.) 600

Period of record: 1941-1950

| Month  |              | Duration (hours) |                |                |                  |                  |                  |
|--------|--------------|------------------|----------------|----------------|------------------|------------------|------------------|
|        |              | 1                | 2              | 3              | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.71<br>27/44    | 0.75<br>27/44  | 0.82<br>27/44  | 1.07a<br>27/44   | 1.47<br>13/50    | 1.48<br>13/50    |
| Feb.   | Amt.<br>Date | 0.55<br>26/44    | 0.56<br>26/44  | 0.66<br>13/49  | 1.13<br>12-13/49 | 1.21<br>12-13/49 | 1.22<br>12-13/49 |
| Mar.   | Amt.<br>Date | 0.89<br>19/48    | 1.56<br>19/48  | 1.73<br>19/48  | 2.24<br>18/48    | 3.17<br>19/48    | 3.54<br>13-14/44 |
| Apr.   | Amt.<br>Date | 0.88<br>25/50    | 1.43<br>25/50  | 1.51<br>25/50  | 2.30<br>24-25/50 | 2.47<br>24-25/50 | 2.55<br>24-25/50 |
| May    | Amt.<br>Date | 1.02<br>31/46    | 1.67<br>31/42  | 1.73<br>31/42  | 1.81<br>31-1/42  | 2.73<br>31-1/42  | 3.49<br>31-1/42  |
| Jun.   | Amt.<br>Date | 1.75<br>10/42    | 2.17<br>10/42  | 2.20<br>10/42  | 2.40<br>14-15/49 | 2.73<br>31-1/42  | 3.49b<br>31-1/42 |
| Jul.   | Amt.<br>Date | 3.09<br>6/43     | 4.67<br>6/43   | 4.97<br>6/43   | 5.24<br>6/43     | 5.28<br>6/43     | 5.28<br>6/43     |
| Aug.   | Amt.<br>Date | 1.62<br>30/41    | 2.21<br>30/41  | 2.27<br>30/41  | 2.27<br>30/41    | 2.29<br>26/43    | 2.51<br>25-26/43 |
| Sep.   | Amt.<br>Date | 1.02<br>27/45    | 1.68<br>21/47  | 2.09<br>21/47  | 2.55<br>21/47    | 2.88<br>21/47    | 2.90<br>21/47    |
| Oct.   | Amt.<br>Date | 1.27<br>8/50     | 1.48<br>8/50   | 1.63<br>8/50   | 2.00<br>2-3/41   | 2.87<br>2-3/41   | 3.21<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.48<br>9/42     | 0.56c<br>9/42  | 0.75<br>3/46   | 1.29<br>3/46     | 1.73<br>3/46     | 1.84<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.35<br>21/49    | 0.58<br>21/49  | 0.71<br>21/49  | 0.93<br>21/49    | 1.10<br>21/49    | 1.93<br>20-21/49 |
| Annual | Amt.<br>Date | 3.09<br>7/6/43   | 4.67<br>7/6/43 | 4.97<br>7/6/43 | 5.24<br>7/6/43   | 5.28<br>7/6/43   | 5.28<br>5/6/43   |

- a. - Also 29-30/47
- b. - Also 14-15/49
- c. - Also 3/46

U. S. WEATHER BUREAU

Station: SPRINGFIELD WB AP

Drainage basin: ILLINOIS

County: SANGAMON

Lat. 39° 50' Long. 89° 40'

Elev.(ft.) 587

Period of record: 1940-1950

| Month        |              | Duration (hours) |                 |                  |                  |                  |                   |
|--------------|--------------|------------------|-----------------|------------------|------------------|------------------|-------------------|
|              |              | 1                | 2               | 3                | 6                | 12               | 24                |
| 0.54<br>Jan. | Amt.<br>Date | 0.54<br>29/47    | 0.95<br>23/50   | 1.04<br>23/50    | 1.15<br>23/50    | 1.42<br>18/49    | 1.59<br>3-4/50    |
| Feb.         | Amt.<br>Date | 0.65w<br>21/44   | 0.72<br>21/44   | 0.83<br>21/44    | 1.06<br>4/42     | 1.71<br>4/42     | 1.98<br>4/42      |
| Mar.         | Amt.<br>Date | 0.40<br>2/45     | 0.62<br>4/44    | 0.80<br>21/48    | 0.98<br>21/48    | 1.12<br>3-4/44   | 1.48<br>25-26/45  |
| Apr.         | Amt.<br>Date | 0.96w<br>10/44   | 1.71w<br>10/44  | 2.21w<br>10/44   | 2.21w<br>10/44   | 2.46<br>10-11/44 | 2.94<br>10-11/44  |
| May          | Amt.<br>Date | 2.33<br>29/44    | 2.75<br>29/44   | 2.77<br>29/44    | 2.78<br>29/44    | 2.78<br>29/44    | 3.84<br>29-30/44  |
| Jun.         | Amt.<br>Date | 1.92<br>27/46    | 2.45w<br>18/46  | 2.71w<br>18/46   | 2.71<br>18/46    | 2.71<br>18/46    | 2.71<br>18/46     |
| Jul.         | Amt.<br>Date | 1.67<br>9/42     | 1.82<br>9/42    | 1.98<br>26/42    | 3.10<br>3/50     | 3.40<br>3/50     | 3.54<br>2-3/50    |
| Aug.         | Amt.<br>Date | 1.25w<br>11/45   | 1.39<br>11/45   | 1.42<br>5/45     | 1.47<br>5/45     | 1.50<br>5-6/45   | 2.34<br>31-1/47   |
| Sep.         | Amt.<br>Date | 1.55w<br>1/47    | 1.97w<br>1/47   | 2.04<br>1/46     | 2.30<br>1/46     | 2.30<br>1/46     | 2.95<br>12-13/45  |
| Oct.         | Amt.<br>Date | 1.40<br>21/45    | 2.60<br>21/45   | 2.78<br>21/45    | 3.28<br>21/45    | 3.97<br>4/41     | 5.42<br>4-5/41    |
| Nov.         | Amt.<br>Date | 0.78w<br>12/45   | 0.86w<br>12/45  | 0.99<br>26/40    | 1.34<br>22/42    | 1.72<br>22/42    | 2.00<br>22/42     |
| Dec.         | Amt.<br>Date | 0.60<br>21/49    | 0.80<br>21/49   | 1.00<br>21/49    | 1.23<br>21/49    | 1.88<br>21/49    | 2.41<br>20-21/49  |
| Annual       | Amt.<br>Date | 2.33<br>5/29/44  | 2.75<br>5/29/44 | 2.78<br>10/21/45 | 3.28<br>10/21/45 | 3.97<br>10/4/41  | 5.42<br>10/4-5/41 |



U. S. WEATHER BUREAU

Station: SPRINGFIELD WB CITY

Drainage basin: ILLINOIS

County: SANGAMON

Lat. 39° 48' Long. 89° 39'

Elev. (ft.) 598

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                 |                  |                   |                   |
|--------|--------------|------------------|-----------------|-----------------|------------------|-------------------|-------------------|
|        |              | 1                | 2               | 3               | 6                | 12                | 24                |
| Jan.   | Amt.<br>Date | 0.67<br>29/47    | 0.97<br>29/47   | 0.97<br>29/47   | 0.98<br>29-30/47 | 1.42<br>18/49     | 1.58<br>3-4/50    |
| Feb.   | Amt.<br>Date | 0.64<br>21/44    | 0.71<br>21/44   | 0.81<br>21/44   | 1.08<br>4/42     | 1.64<br>4/42      | 2.03<br>4/42      |
| Mar.   | Amt.<br>Date | 0.78<br>17/46    | 0.81<br>17/46   | 0.88<br>2/40    | 0.88<br>2/40     | 1.22<br>2/40      | 1.42<br>2/40      |
| Apr.   | Amt.<br>Date | 0.96<br>10/44    | 1.71<br>10/44   | 2.21w<br>10/44  | 2.66<br>10-11/44 | 3.15<br>10-11/44  | 3.68<br>10-11/44  |
| May    | Amt.<br>Date | 1.41<br>15/47    | 1.53<br>29/44   | 1.77<br>29/44   | 1.85<br>17-18/43 | 2.13<br>17-18/43  | 2.68<br>17-18/43  |
| Jun.   | Amt.<br>Date | 1.69<br>18/46    | 1.81<br>18/46   | 2.68<br>18/46   | 2.85<br>18/46    | 2.85<br>18/46     | 2.85<br>18/46     |
| Jul.   | Amt.<br>Date | 2.82<br>25/48    | 3.32<br>25/48   | 3.48<br>25/48   | 3.56<br>25/48    | 3.59<br>25/48     | 3.61<br>25-26/48  |
| Aug.   | Amt.<br>Date | 1.51<br>17/48    | 1.81<br>17/48   | 1.83<br>5/45    | 1.93<br>5/45     | 1.93<br>5/45      | 2.62<br>31-1/47   |
| Sep.   | Amt.<br>Date | 1.33<br>1/47     | 1.97<br>1/47    | 1.99<br>1/47    | 2.20<br>1/47     | 2.56<br>2/41      | 2.95<br>12-13/45  |
| Oct.   | Amt.<br>Date | 0.89<br>30/42    | 1.46<br>30/42   | 1.75<br>30/42   | 2.65<br>4-5/41   | 4.23<br>4-5/41    | 5.65<br>4-5/41    |
| Nov.   | Amt.<br>Date | 0.70<br>12/45    | 0.86<br>12/45   | 0.96<br>22/42   | 1.47<br>22/42    | 1.97<br>22/42     | 2.32<br>21-22/42  |
| Dec.   | Amt.<br>Date | 0.41<br>21/49    | 0.66<br>21/49   | 0.83<br>21/49   | 1.13<br>21/49    | 1.56a<br>26-27/42 | 2.17<br>20-21/49  |
| Annual | Amt.<br>Date | 2.82<br>7/25/48  | 3.32<br>7/25/48 | 3.48<br>7/25/48 | 3.56<br>7/25/48  | 4.23<br>10/4-5/41 | 5.65<br>10/4-5/41 |

a Also 21/46

\*Given for comparative purposes.

See next page for complete record.



U. S. WEATHER BUREAU

Station: SPRINGFIELD

Drainage basin: ILLINOIS

County: SANGAMON

Lat. 39° 48' Long. 89° 39'

Elev.(ft.) 598

Period of record: 1901-1950 (BREAKS)

| Month  |              | Duration (hours) |                   |                   |                   |                   |                    |
|--------|--------------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
|        |              | 1                | 2                 | 3                 | 6                 | 12                | 24                 |
| Jan.   | Amt.<br>Date | 0.67<br>29/47    | 0.98<br>18/07     | 1.01<br>18/07     | 1.68<br>7/37      | 2.25<br>7/37      | 2.42<br>7-8/37     |
| Feb.   | Amt.<br>Date | 0.64<br>21/44    | 0.71<br>21/44     | 1.00E<br>23-24/30 | 1.33E<br>23-24/30 | 1.64<br>4/42      | 2.03<br>4/42       |
| Mar.   | Amt.<br>Date | 1.44x<br>31/33   | 2.08x<br>23/36    | 2.11w<br>23/36    | 2.62<br>23/36     | 2.75<br>23-24/36  | 4.10<br>10-11/39   |
| Apr.   | Amt.<br>Date | 1.69x<br>19/20   | 1.78x<br>19/20    | 2.21w<br>10/44    | 2.66<br>10-11/44  | 3.15<br>10-11/44  | 3.68<br>10-11/44   |
| May    | Amt.<br>Date | 1.74x<br>9/18    | 2.13x<br>25-26/15 | 2.27<br>25-26/15  | 3.18<br>25-26/15  | 4.74<br>25-26/15  | 5.35 x<br>25-26/15 |
| Jun.   | Amt.<br>Date | 2.14x<br>15/21   | 2.33<br>15/21     | 2.68<br>18/46     | 3.77<br>4/17      | 5.94 x<br>4-5/17  | 5.94 x<br>4-5/17   |
| Jul.   | Amt.<br>Date | 2.82<br>25/48    | 3.32<br>25/48     | 3.48<br>25/48     | 3.56<br>25/48     | 3.62<br>12-13/37  | 3.83<br>12-13/37   |
| Aug.   | Amt.<br>Date | 1.87<br>5/31     | 1.96x<br>5/31     | 1.97<br>5/31      | 2.03<br>6-7/39    | 3.12<br>1-2/21    | 3.32<br>1-2/21     |
| Sep.   | Amt.<br>Date | 2.50x<br>8/26    | 3.01x<br>8/26     | 3.17<br>8/26      | 4.29<br>8/26      | 5.40<br>8-9/26    | 5.50<br>8-9/26     |
| Oct.   | Amt.<br>Date | 1.35x<br>18/38   | 1.58x<br>18/38    | 1.87<br>30/42     | 2.65<br>4-5/41    | 4.23<br>4-5/41    | 5.65<br>4-5/41     |
| Nov.   | Amt.<br>Date | 1.01x<br>2/34    | 1.13x<br>2/34     | 1.55<br>2/34      | 1.68<br>2-3/34    | 2.25<br>2/36      | 2.34<br>2-3/34     |
| Dec.   | Amt.<br>Date | 0.53<br>5/06     | 0.71<br>5/06      | 0.83<br>21/49     | 1.22<br>5/06      | 1.59<br>5/06      | 2.17<br>20-21/49   |
| Annual | Amt.<br>Date | 2.82<br>7/25/48  | 3.32<br>7/25/48   | 3.48<br>7/25/48   | 4.29<br>9/8/26    | 5.94x<br>6/4-5/17 | 5.94x<br>6/4-5/17  |

U. S. WEATHER BUREAU

Station: STICKNEY, W SIDE

Drainage basin: ILLINOIS

County: COOK

Lat. 41° 49" Long. 87° 46'

Elev.(ft.) 636

Period of record: 1941-1950 (BREAKS)

| Month  |              | Duration (hours) |                |                |                  |                  |                  |
|--------|--------------|------------------|----------------|----------------|------------------|------------------|------------------|
|        |              | 1                | 2              | 3              | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.33<br>13/50    | 0.51<br>13/50  | 0.73<br>13/50  | 1.10<br>13/50    | 1.42<br>13/50    | 1.44<br>12-13/50 |
| Feb.   | Amt.<br>Date | 0.30<br>26/44    | 0.53<br>6/42   | 0.78<br>6/42   | 1.39<br>6/42     | 1.66<br>6/42     | 1.66<br>6/42     |
| Mar.   | Amt.<br>Date | 1.10<br>19/48    | 1.36<br>19/48  | 1.91<br>19/48  | 2.50<br>19/48    | 3.10<br>19/48    | 3.17<br>19/48    |
| Apr.   | Amt.<br>Date | 0.78<br>4/47     | 0.93<br>4/47   | 1.51<br>4-5/47 | 2.12<br>4-5/47   | 2.78<br>4-5/47   | 3.30<br>4-5/47   |
| May    | Amt.<br>Date | 1.30<br>31/42    | 1.33<br>31/42  | 1.63<br>31/42  | 1.66<br>31/42    | 1.69<br>31/42    | 1.97<br>31/42    |
| Jun.   | Amt.<br>Date | 1.52<br>14/41    | 1.73<br>14/41  | 1.78<br>14/49  | 2.19<br>14-15/49 | 2.60<br>14-15/49 | 3.46<br>14/49    |
| Jul.   | Amt.<br>Date | 2.24<br>6/43     | 3.31<br>6/43   | 3.71<br>6/43   | 3.82<br>6/43     | 3.83<br>6/43     | 3.83<br>6/43     |
| Aug.   | Amt.<br>Date | 1.17<br>25/47    | 1.50<br>9/46   | 1.52<br>9/46   | 1.52<br>9/46     | 2.01<br>26/43    | 2.15<br>25-26/43 |
| Sep.   | Amt.<br>Date | 1.01<br>21/47    | 1.61<br>21/47  | 1.80<br>21/47  | 2.21<br>21/47    | 2.28<br>21/47    | 2.28<br>21/47    |
| Oct.   | Amt.<br>Date | 0.47<br>26/47    | 0.87<br>27/47  | 1.07<br>27/47  | 1.23<br>2-3/41   | 1.79<br>2-3/41   | 2.25<br>26-27/47 |
| Nov.   | Amt.<br>Date | 0.74<br>12/45    | 0.98<br>3/46   | 1.35<br>3/46   | 1.97<br>3/46     | 2.54<br>2-3/46   | 2.64<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.46<br>21/49    | 0.75<br>21/49  | 0.92<br>21/49  | 1.17<br>21/49    | 1.45<br>27/42    | 2.19<br>20-21/49 |
| Annual | Amt.<br>Date | 2.24<br>7/6/43   | 3.31<br>7/6/43 | 3.71<br>7/6/43 | 3.82<br>7/6/43   | 3.83<br>7/6/43   | 3.83<br>7/6/43   |

U. S. WEATHER BUREAU

Station: SULLIVAN

Drainage basin: KASKASKIA

County: MOULTRIE

Lat. 39° 34' Long. 88° 37'

Elev.(ft.) 686

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                  |                    |                    |
|--------|--------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
|        |              | 1                | 2                | 3                | 6                | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 1.33<br>25/50    | 1.62<br>25/50    | 1.90<br>25/50    | 1.90<br>25/50    | 2.80E<br>3-4/50    | 5.49<br>3-4/50     |
| Feb.   | Amt.<br>Date | 0.79<br>8/50     | 1.15<br>8/50     | 1.31<br>8/50     | 1.45<br>8/50     | 1.95<br>14/49      | 2.23<br>14-15/49   |
| Mar.   | Amt.<br>Date | 0.99<br>16/42    | 1.64<br>29/45    | 1.81<br>29/45    | 1.99<br>29/45    | 2.10<br>29/45      | 2.11<br>29/45      |
| Apr.   | Amt.<br>Date | 0.83<br>12/48    | 1.22<br>10/44    | 1.42<br>10-11/44 | 1.75<br>10-11/44 | 2.45<br>10/44      | 3.20<br>22/44      |
| May    | Amt.<br>Date | 1.83<br>9/49     | 2.45<br>9/49     | 2.67<br>9-10/49  | 2.78<br>9-10/49  | 2.78<br>9-10/49    | 2.87<br>1-2/46     |
| Jun.   | Amt.<br>Date | 1.29<br>25/42    | 1.71<br>25/42    | 1.92<br>25-26/42 | 2.29<br>25-26/42 | 2.73<br>25-26/42   | 2.82<br>25-26/42   |
| Jul.   | Amt.<br>Date | 1.72<br>9/42     | 2.00<br>9/42     | 2.18<br>9-10/42  | 2.77<br>2-3/50   | 3.90<br>2-3/50     | 4.06<br>2-3/50     |
| Aug.   | Amt.<br>Date | 1.72<br>5/46     | 2.60<br>5/46     | 2.87<br>5/46     | 3.04<br>5/46     | 3.04<br>5/46       | 3.04<br>5/46       |
| Sep.   | Amt.<br>Date | 1.34<br>1/41     | 1.47<br>2/41     | 1.69<br>2/41     | 1.70<br>2/41     | 1.84<br>2/41       | 2.10<br>12-13/45   |
| Oct.   | Amt.<br>Date | 0.67<br>24/46    | 0.91<br>17-18/41 | 1.26<br>17-18/41 | 2.21<br>17-18/41 | 2.42<br>17-18/41   | 3.07<br>10-11/49   |
| Nov.   | Amt.<br>Date | 0.45<br>12/45    | 0.79<br>19/50    | 1.05<br>19/50    | 1.38<br>19-20/50 | 1.55<br>1/46       | 1.97<br>31-1/46    |
| Dec.   | Amt.<br>Date | 0.51<br>27/42    | 0.77<br>27/42    | 0.99<br>27/42    | 1.30<br>27/42    | 1.81<br>31/47-1/48 | 2.31<br>31/47-1/48 |
| Annual | Amt.<br>Date | 1.83<br>5/9/49   | 2.60<br>8/5/46   | 2.87<br>8/5/46   | 3.04<br>8/5/46   | 3.90<br>7/2-3/50   | 5.49<br>1/3-4/50   |

U.S. WEATHER BUREAU

Station: URBANA

Drainage basin: WABASH

County: CHAMPAIGN

Lat. 40° 08' Long. 88° 13'

Elev.(ft.) 743

Period of record: 1940-1950

| Month  |              | Duration (hours) |                  |                  |                    |                  |                  |
|--------|--------------|------------------|------------------|------------------|--------------------|------------------|------------------|
|        |              | 1                | 2                | 3                | 6                  | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.61<br>3/50     | 0.91<br>3/50     | 1.07<br>3/50     | 1.27<br>3/50       | 1.77<br>3/50     | 2.86<br>3-4/50   |
| Feb.   | Amt.<br>Date | 0.35<br>25/44    | 0.61<br>21/44    | 0.81<br>21-22/44 | 0.95<br>21-22/44   | 1.48<br>4/42     | 1.56<br>4/42     |
| Mar.   | Amt.<br>Date | 0.70<br>18/45    | 0.88<br>15/43    | 0.95<br>15/43    | 1.13<br>15/43      | 1.52<br>15-16/43 | 2.17<br>15-16/43 |
| Apr.   | Amt.<br>Date | 0.77<br>11/44    | 1.34<br>10-11/44 | 1.63<br>10-11/44 | 2.11<br>10-11/44   | 2.54<br>10-11/44 | 2.87<br>10-11/44 |
| May    | Amt.<br>Date | 1.46<br>16/43    | 1.58<br>16-17/43 | 2.04<br>16-17/43 | 2.38<br>16-17/43   | 2.89<br>16-17/43 | 3.28<br>16-17/43 |
| Jun.   | Amt.<br>Date | 1.81<br>19/46    | 2.14<br>19/46    | 2.23<br>19/46    | 2.24<br>19/46      | 2.24<br>19/46    | 2.27<br>18-19/46 |
| Jul.   | Amt.<br>Date | 1.77<br>8/42     | 1.87<br>8/42     | 1.92<br>8/42     | 2.05<br>8/42       | 2.17<br>16-17/50 | 2.37<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.30<br>11/45    | 1.46<br>3/43     | 1.81<br>3/43     | 2.23<br>3/43       | 3.44<br>2-3/43   | 3.44<br>2-3/43   |
| Sep.   | Amt.<br>Date | 0.83<br>7/41     | 1.34<br>7/41     | 1.49<br>7/41     | 1.51<br>20-21/48   | 1.77<br>20-21/48 | 2.08<br>12-13/45 |
| Oct.   | Amt.<br>Date | 0.94<br>21/49    | 1.31<br>17-18/41 | 1.61<br>17-18/41 | 2.06<br>17-18/41   | 2.28<br>26-27/47 | 2.88<br>26-27/47 |
| Nov.   | Amt.<br>Date | 0.89<br>11/40    | 0.89<br>11/40    | 0.89<br>11/40    | 0.90<br>19/50      | 1.24<br>1/46     | 1.35<br>9-10/42  |
| Dec.   | Amt.<br>Date | 0.46<br>2/50     | 0.74<br>2/50     | 0.74<br>2/50     | 1.00<br>27/42      | 1.28<br>27/42    | 2.29<br>21-22/49 |
| Annual | Amt.<br>Date | 1.81<br>6/19/46  | 2.14<br>6/19/46  | 2.23<br>6/19/46  | 2.38<br>5/16-17/43 | 3.44<br>8/2-3/43 | 3.44<br>8/2-3/43 |

U.S. WEATHER BUREAU

Station: VANDALIA

Drainage basin: KASKASKIA

County: FAYETTE

Lat. 38° 58' Long. 89° 07'

Elev.(ft) 503

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                    |                    |                           |                  |
|--------|--------------|------------------|-----------------|--------------------|--------------------|---------------------------|------------------|
|        |              | 1                | 2               | 3                  | 6                  | 12                        | 24               |
| Jan.   | Amt.<br>Date | 0.95<br>29/47    | 1.34<br>29/47   | 1.51<br>29/47      | 1.69<br>3/50       | 2.82<br>3/50              | 4.09<br>3-4/50   |
| Feb.   | Amt.<br>Date | 0.73<br>14/49    | 1.21<br>14/49   | 1.48<br>14/49      | 1.86<br>14/49      | 2.26<br>14/49             | 2.78<br>14-15/49 |
| Mar.   | Amt.<br>Date | 1.20<br>26/48    | 1.42<br>26/48   | 1.45<br>26/48      | 1.46<br>26/48      | 1.53<br>26/48             | 2.18<br>26/48    |
| Apr.   | Amt.<br>Date | 1.11<br>3/50     | 1.14<br>29/47   | 1.45<br>3/50       | 1.49<br>3-4/50.    | 1.82<br>22/44             | 2.89<br>22-23/44 |
| May    | Amt.<br>Date | 1.10<br>30/44    | 1.25<br>30/44   | 1.35<br>30/44      | 1.62<br>7/43       | 2.62<br>7/43              | 3.25<br>6-7/43   |
| Jun.   | Amt.<br>Date | 2.13<br>26/49    | 3.05<br>26/49   | 3.32<br>26-27/49   | 3.36<br>26-27/49   | 3.39<br>26-27/49          | 3.54<br>26-27/49 |
| Jul.   | Amt.<br>Date | 0.93<br>13/48    | 1.00<br>13/48   | 1.01<br>13/48      | 1.25E<br>30-1/47   | 2.50<br>30-1/47           | 2.53<br>30-1/47  |
| Aug.   | Amt.<br>Date | 1.34<br>21/40    | 1.95<br>12/44   | 2.15<br>27/40      | 3.11<br>27/40      | 3.17<br>27/40             | 3.17<br>27/40    |
| Sep.   | Amt.<br>Date | 1.06<br>27/45    | 1.57<br>21/45   | 1.74<br>21/45      | 1.85<br>12/49      | 2.16<br>21/45             | 2.40<br>12-13/49 |
| Oct.   | Amt.<br>Date | 1.12<br>11/49    | 1.80<br>11/49   | 2.16<br>11/49      | 2.66<br>29-30/42   | 3.41<br>31-1/46           | 4.08<br>31-1/46  |
| Nov.   | Amt.<br>Date | 0.75<br>1/46     | 1.24<br>1/46    | 1.65<br>1/46       | 2.68<br>1/46       | 3.41<br>31-1/46           | 4.08<br>31-1/46  |
| Dec.   | Amt.<br>Date | 0.67<br>27/42    | 1.23<br>27/42   | 1.39<br>27/42      | 1.87<br>27/42      | 1.92<br>26-27/42          | 2.01<br>26-27/42 |
| Annual | Amt.<br>Date | 2.13<br>6/26/49  | 3.05<br>6/26/49 | 3.32<br>6/26-27/49 | 3.36<br>6/26-27/49 | 3.41<br>10/31-<br>11/1/46 | 4.09<br>1/3-4/50 |

U. S. WEATHER BUREAU

Station: WASHINGTON

Drainage basin: ILLINOIS

County: TAZEWELL

Lat. 40° 42' Long. 89° 24'

Elev.(ft.) 740

Period of record: 1941-1950

| Month  |              | Duration (hours) |                 |                  |                  |                  |                    |
|--------|--------------|------------------|-----------------|------------------|------------------|------------------|--------------------|
|        |              | 1                | 2               | 3                | 6                | 12               | 24                 |
| Jan.   | Amt.<br>Date | 0.37<br>9/46     | 0.56<br>29/47   | 0.75<br>29/47    | 1.17<br>23-24/50 | 1.44<br>12-13/50 | 1.46<br>12-13/50   |
| Feb.   | Amt.<br>Date | 0.31<br>6/42     | 0.58<br>5-6/42  | 0.73<br>5-6/42   | 1.42<br>5-6/42   | 2.28<br>5-6/42   | 2.67<br>5-6/42     |
| Mar.   | Amt.<br>Date | 0.75<br>14/44    | 0.90<br>14/44   | 1.13<br>14/44    | 1.40<br>14/44    | 1.98<br>14/44    | 3.14<br>14-15/44   |
| Apr.   | Amt.<br>Date | 1.61<br>29/47    | 2.08<br>29/47   | 2.83<br>29/47    | 2.84<br>29/47    | 2.91<br>29/47    | 4.04<br>24/50      |
| May    | Amt.<br>Date | 1.10<br>4/50     | 1.10<br>4/50    | 1.10<br>4/50     | 1.40<br>20/43    | 1.59<br>1/46     | 2.22<br>1-2/46     |
| Jun.   | Amt.<br>Date | 1.52<br>15/45    | 1.90<br>15/45   | 1.96<br>15-16/45 | 2.02<br>15-16/45 | 2.88<br>15-16/45 | 3.01<br>15-16/45   |
| Jul.   | Amt.<br>Date | 1.05<br>23/41    | 1.44<br>16/50   | 1.68<br>25/48    | 2.00<br>16/50    | 2.57<br>17/50    | 4.57<br>16-17/50   |
| Aug.   | Amt.<br>Date | 0.85<br>3/43     | 1.30<br>3/43    | 2.04<br>3/43     | 2.82<br>3/43     | 3.83<br>2-3/43   | 4.33<br>2-3/43     |
| Sep.   | Amt.<br>Date | 0.95<br>19/50    | 1.40<br>19/50   | 2.09<br>19/50    | 2.54<br>2/47     | 2.63<br>24-25/41 | 2.63<br>24-25/41   |
| Oct.   | Amt.<br>Date | 0.77<br>2/41     | 1.09<br>2/41    | 1.27<br>2/41     | 1.40<br>2/41     | 1.72<br>2/41     | 2.27<br>2-3/41     |
| Nov.   | Amt.<br>Date | 0.47<br>19/41    | 0.80<br>19/41   | 0.85<br>19/41    | 0.94<br>2-3/46   | 1.30<br>2-3/46   | 1.51<br>9/42       |
| Dec.   | Amt.<br>Date | 1.00<br>26/42    | 1.17<br>26/42   | 1.37<br>26/42    | 1.70<br>26-27/42 | 2.10<br>26-27/42 | 3.16<br>20-21/49   |
| Annual | Amt.<br>Date | 1.61<br>4/29/47  | 2.08<br>4/29/47 | 2.83<br>4/29/47  | 2.84<br>4/29/47  | 3.83<br>8/2-3/43 | 4.57<br>7/16-17/50 |

U. S. WEATHER BUREAU

Station: WATERMAN

Drainage basin: ILLINOIS

County: DE KALB

Lat. 41° 46' Long. 88° 46'

Elev.(ft.) 779

Period of record: 1940-1950

| Month  |              | Duration (hours) |                 |                  |                  |                  |                  |
|--------|--------------|------------------|-----------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2               | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.45<br>9/46     | 0.65<br>9/46    | 0.68<br>9/46     | 0.95<br>9/46     | 1.14<br>13/50    | 1.18<br>13-14/50 |
| Feb.   | Amt.<br>Date | 0.29<br>25/44    | 0.50<br>23/49   | 0.58<br>12-13/49 | 0.96<br>12-13/49 | 1.17<br>27/48    | 1.49<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.65<br>14/44    | 0.91<br>14/44   | 1.06<br>14/44    | 1.21<br>14/44    | 1.58<br>13-14/44 | 2.69<br>13-14/44 |
| Apr.   | Amt.<br>Date | 0.49<br>4/47     | 0.84<br>4/47    | 1.22<br>4-5/47   | 1.43<br>4-5/47   | 2.25<br>4-5/47   | 2.53<br>4-5/47   |
| May    | Amt.<br>Date | 0.88<br>23/44    | 0.98<br>23/44   | 0.98<br>23/44    | 1.23<br>15/43    | 1.50<br>14/45    | 2.10<br>12-13/45 |
| Jun.   | Amt.<br>Date | 1.70<br>10/50    | 2.45<br>10/50   | 2.48<br>10/50    | 2.75<br>3/50     | 2.85<br>3/50     | 3.98<br>2/50     |
| Jul.   | Amt.<br>Date | 2.17<br>27/42    | 2.22<br>27/42   | 2.22<br>27/42    | 2.22<br>27/42    | 2.22<br>27/42    | 2.35<br>27/42    |
| Aug.   | Amt.<br>Date | 2.25<br>17/46    | 3.75<br>17/46   | 4.26<br>17/46    | 4.57<br>17/46    | 4.58<br>17/46    | 4.58<br>17/46    |
| Sep.   | Amt.<br>Date | 0.82<br>19/50    | 1.38<br>8/41    | 1.87<br>8/41     | 2.09<br>8-9/41   | 2.48<br>21/47    | 2.49<br>21/47    |
| Oct.   | Amt.<br>Date | 0.60a<br>26/47   | 0.93<br>3/41    | 1.28<br>3/41     | 2.01<br>3/41     | 2.62<br>2-3/41   | 2.96<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.90<br>12/45    | 1.13<br>6/43    | 1.37<br>6/43     | 1.49<br>6/43     | 1.54<br>6/43     | 1.73<br>6-7/43   |
| Dec.   | Amt.<br>Date | 0.25b<br>5/48    | 0.49<br>11/49   | 0.61<br>11/49    | 0.82<br>12/46    | 1.29<br>12/46    | 1.43<br>12/46    |
| Annual | Amt.<br>Date | 2.25<br>8/17/46  | 3.75<br>8/17/46 | 4.26<br>8/17/46  | 4.57<br>8/17/46  | 4.58<br>8/17/46  | 4.58<br>8/17/46  |

a. - Also 21/49  
b. - Also 11/49



U. S. WEATHER BUREAU

Station: WENONA

Drainage basin: ILLINOIS

County: MARSHALL

Lat. 41° 03' Long. 89° 03'

Elev.(ft.) 700

Period of record: 1941-1950

| Month  |              | Duration (hours) |                 |                  |                  |                  |                  |
|--------|--------------|------------------|-----------------|------------------|------------------|------------------|------------------|
|        |              | 1                | 2               | 3                | 6                | 12               | 24               |
| Jan.   | Amt.<br>Date | 0.60<br>25/50    | 0.60<br>25/50   | 0.68<br>20/47    | 0.91<br>13/50    | 1.39<br>13-14/50 | 1.40<br>13-14/50 |
| Feb.   | Amt.<br>Date | 0.30<br>27/48    | 0.43<br>13/49   | 0.63<br>12-13/49 | 0.79<br>12-13/49 | 1.16<br>27/48    | 1.19<br>27-28/48 |
| Mar.   | Amt.<br>Date | 0.43<br>19/48    | 0.48a<br>19/48  | 0.60b<br>17/44   | 0.90<br>19/48    | 1.30<br>18-19/48 | 1.35<br>18-19/48 |
| Apr.   | Amt.<br>Date | 0.83<br>5/47     | 1.42<br>5/47    | 1.88<br>5/47     | 2.35<br>5/47     | 2.64<br>4-5/47   | 2.85<br>4-5/47   |
| May    | Amt.<br>Date | 0.93<br>25/49    | 1.02<br>25/49   | 1.11<br>25/49    | 1.26<br>22/44    | 1.30<br>7-8/43   | 1.93<br>14-15/45 |
| Jun.   | Amt.<br>Date | 1.10<br>15/45    | 1.23<br>3/43    | 1.32<br>3-4/43   | 1.51<br>3/43     | 1.70<br>15-16/45 | 2.01<br>17-18/50 |
| Jul.   | Amt.<br>Date | 1.49<br>17/50    | 2.06<br>17/50   | 2.09<br>17/50    | 2.45<br>17/50    | 2.66<br>17/50    | 4.90<br>16-17/50 |
| Aug.   | Amt.<br>Date | 1.59<br>2/43     | 2.72<br>3/43    | 3.16<br>3/43     | 3.67<br>2-3/43   | 5.63<br>2-3/43   | 5.67<br>2-3/43   |
| Sep.   | Amt.<br>Date | 1.50<br>21/50    | 2.77<br>21/50   | 2.77<br>21/50    | 2.77<br>21/50    | 2.77<br>21/50    | 4.14<br>21-22/50 |
| Oct.   | Amt.<br>Date | 0.98<br>2/41     | 1.10<br>2/41    | 1.10<br>2/41     | 1.44<br>17/46    | 1.92<br>2-3/41   | 2.49<br>2-3/41   |
| Nov.   | Amt.<br>Date | 0.42c<br>26/40   | 0.60<br>26/40   | 0.85<br>3/46     | 1.11<br>3/46     | 1.52<br>2-3/46   | 1.53<br>2-3/46   |
| Dec.   | Amt.<br>Date | 0.44<br>21/49    | 0.79<br>21/49   | 1.05<br>21/49    | 1.50<br>21/49    | 1.89<br>21/49    | 2.73<br>20-21/49 |
| Annual | Amt.<br>Date | 1.59<br>8/2/43   | 2.77<br>9/21/50 | 3.16<br>8/3/43   | 3.67<br>8/2-3/43 | 5.63<br>8/2-3/43 | 5.67<br>8/2-3/43 |

a Also 30/49

b Also 30/49

c Also 3/46



U. S. WEATHER BUREAU

Station: WEST FRANKFORT

Drainage basin: MISSISSIPPI

County: FRANKLIN

Lat. 37° 54' Long. 88° 48'

Elev.(ft.) 480

Period of record: 1940-1950 (BREAKS)

| Month  |              | Duration (hours) |                    |                    |                    |                    |                    |
|--------|--------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |              | 1                | 2                  | 3                  | 6                  | 12                 | 24                 |
| Jan.   | Amt.<br>Date | 0.60<br>30/47    | 0.88<br>31/47-1/48 | 1.18<br>31/47-1/48 | 1.72<br>31/47-1/48 | 3.35<br>31/47-1/48 | 3.58<br>31/47-1/48 |
| Feb.   | Amt.<br>Date | 0.72<br>14/49    | 1.08<br>14-15/49   | 1.12<br>14-15/49   | 1.76<br>25-26/45   | 2.79<br>25-26/45   | 2.81<br>25-26/45   |
| Mar.   | Amt.<br>Date | 0.66<br>19/45    | 1.09<br>19/45      | 1.34<br>19/45      | 1.50<br>19/45      | 2.31<br>18-19/43   | 2.57<br>18-19/43   |
| Apr.   | Amt.<br>Date | 1.11<br>10/44    | 1.42<br>10-11/44   | 1.62<br>10-11/44   | 1.85<br>10-11/44   | 1.86<br>10-11/44   | 2.36<br>10-11/44   |
| May    | Amt.<br>Date | 1.14<br>27/50    | 1.92<br>27/50      | 2.04<br>27/50      | 2.27<br>10/43      | 2.36<br>10/43      | 2.90<br>9-10/43    |
| Jun.   | Amt.<br>Date | 1.53<br>30/45    | 2.33<br>29/41      | 3.23<br>29/41      | 3.60<br>29/41      | 3.60<br>29/41      | 3.60<br>29/41      |
| Jul.   | Amt.<br>Date | 1.36<br>11/40    | 1.70<br>11/40      | 2.14<br>10/46      | 2.22<br>10/46      | 2.22<br>10/46      | 2.32<br>8-9/42     |
| Aug.   | Amt.<br>Date | 2.07<br>3/42     | 2.39<br>3/42       | 2.60<br>15/46      | 3.91<br>10-11/45   | 4.97<br>10-11/45   | 5.72<br>15-16/46   |
| Sep.   | Amt.<br>Date | 1.00<br>2/50     | 1.12<br>4/43       | 1.12<br>4/43       | 1.57<br>12-13/43   | 2.42<br>12-13/43   | 2.51<br>12-13/43   |
| Oct.   | Amt.<br>Date | 0.99<br>14/41    | 1.38<br>14/41      | 1.40<br>14/41      | 1.60E<br>26/47     | 2.89E<br>26-27/47  | 3.55<br>26-27/47   |
| Nov.   | Amt.<br>Date | 0.82<br>7/43     | 0.88<br>6-7/43     | 1.18<br>5/48       | 1.67<br>4-5/48     | 1.70<br>4-5/48     | 1.73<br>4-5/48     |
| Dec.   | Amt.<br>Date | 0.56<br>22/41    | 0.88<br>31/47-1/48 | 1.18<br>31/47-1/48 | 1.84<br>22/41      | 3.35<br>31/47-1/48 | 3.58<br>31/47-1/48 |
| Annual | Amt.<br>Date | 2.07<br>8/3/42   | 2.34<br>8/3/42     | 3.23<br>6/29/41    | 3.91<br>8/10-11/45 | 4.97<br>8/10-11/45 | 5.72<br>8/15-16/46 |