

RAINFALL at Rayne (Stanaway)County of EssexObserver Mr E. BurtRiver Basin Blackwater - 4 -(1925) Snowdon Rain Gauge, by _____
M.O.

| | | | | | | | | | | | |
|---------------|------|------|------|---------|-------|-------|-------|--------|----------------|-------|-------------------------|
| Diameter ... | | | | 5 | | | | | | | |
| Height | | | | 1.1 | | | | | | | |
| Altitude ... | | | | 247 | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 1930 |
| January ... | | | | (1.20) | 2.54 | 1.67 | 2.52 | 1.19 | 3.15 | 1.67 | 1.75 |
| February ... | | | | 3.09 | .71 | 2.15 | 2.19 | 3.46 | 1.29 | .53 | .48 |
| March | | | | 1.56 | .77 | 1.02 | .07 | 1.65 | 2.48 | .04 | 1.34 |
| April | | | | 1.52 | 2.73 | 1.39 | 3.45 | 2.23 | .92 | 1.96 | 2.34 |
| May | | | | 1.33 | 4.48 | 2.36 | 1.01 | .92 | 1.81 | 1.38 | 2.22 |
| June | | | | .46 | 3.32 | .39 | 3.05 | 3.36 | 2.86 | .40 | 1.17 |
| July | | | | 1.09 | 3.33 | 2.42 | 2.52 | 2.73 | 1.51 | 1.56 | 2.14 |
| August | | | | 1.54 | 2.03 | 2.82 | 1.08 | 3.31 | 2.08 | 1.30 | 2.80 |
| September... | | | | 1.89 | 2.81 | 2.03 | .82 | 4.30 | .52 | .68 | 4.28 |
| October | | | | 4.63 | 3.36 | 2.72 | 2.17 | 1.72 | 3.34 | 2.82 | 1.12 |
| November... | | | | 1.97 | 2.83 | 1.62 | 4.04 | 2.76 | 2.27 | 4.51 | 3.72 |
| December... | | | | 2.17 | 2.23 | 1.74 | .53 | (2.55) | 2.62 2.27 | 4.30 | 2.26 |
| TOTALS... | | | | (22.45) | 31.64 | 22.33 | 23.45 | 30.38 | 24.85 25.10 | 21.15 | 25.62 |

1923. Jan. said from maps. Were nothing with few rambling roses. 4' 6" high 13' Gr S.

1927 Dec con for snow.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

| Date. | Lat. N. | Long. E. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|-------------|----------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1923. | 51° 52' 45" | 31° 10' | Rayne | 910 ft. | S. 32° E. | Rayne | 2460 ft. | N. 75° E. |

RAINFALL at Rayne (Stanway)County of EssexObserver Mrs. BurtRiver Basin Blackwater - 4

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average Ref.

" 23.0 in. computed by Mr. Cornish (1938) Ref. 561245/36 740045/27

| Diameter | 5. | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 1.1 | | | | | 1.6 | | | | 5.0 | |
| Altitude | 247. | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | 1.83 | 1.21 | 1.58 | 1.46 | 2.69 | 3.86 | 4.04 | 2.94 | 4.61 | 1.12 | 2534 |
| February | 2.32 | .28 | 1.65 | .17 | 2.49 | 1.96 | 3.10 | .39 | .63 | 1.29 | 1430 |
| March | .20 | 1.30 | 1.93 | 1.99 | .39 | .84 | 2.62 | .36 | 1.48 | 2.75 | 1386 |
| April | 2.94 | 1.64 | 1.35 | 1.91 | 2.79 | 1.39 | 2.88 | .28 | 3.01 | 1.28 | 1947 |
| May | 2.65 | 4.97 | 1.26 | .50 | 1.21 | 1.62 | 2.27 | 1.83 | 1.06 | 1.34 | 1879 |
| June | 1.11 | .80 | 1.83 | 1.53 | 3.29 | 3.03 | 2.21 | .53 | 1.74 | .24 | 1631 |
| July | 3.75 | 2.40 | 1.40 | 2.53 | .64 | 4.62 | 1.73 | 1.68 | 2.63 | 3.32 | 2470 |
| August | 2.75 | .92 | .31 | 1.83 | 1.65 | .54 | .68 | 1.30 | 3.02 | .10 | 1310 |
| September | 1.73 | 1.43 | 1.84 | 1.48 | 3.00 | 2.37 | 1.56 | 2.50 | 1.20 | .50 | 1761 |
| October | .42 | 4.97 | 1.58 | 1.42 | 3.15 | 1.75 | 1.36 | 2.93 | 5.80 | 1.85 | 2523 |
| November | 1.54 | 1.12 | 1.35 | 1.79 | 4.19 | 3.20 | 1.97 | 2.56 | 4.13 | 5.82 | 2767 |
| December | .58 | .42 | .52 | 4.11 | 2.54 | 2.20 | 2.76 | 2.60 | 1.04 | 1.68 | 1845 |
| TOTALS | 21.82 | 21.46 | 16.60 | 20.72 | 28.11 | 27.38 | 27.18 | 19.90 | 30.37 | 21.29 | 23483 |

1931. Wire netting with few ramblers roses 7'6" high 13' S

1934. Tree 12' high 13' N.

Wire 7'6" .. 13' S.

Tree 20' .. 22' E.

Hedge 2'6" .. 20' W.

1936. The gauge is now going to be moved a few feet E.

1937 Gauge moved from 14' 30' to W.

1940 Elm Trees 50yds N. Farm bldgs 50yds S. Trees 30' high 15yds E. Trees. 20' high 25yds W.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1931 | | | Rayne | 910 ft | NE | Rayne | 2.460 ft | ENE. |

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 1305

RAINFALL at

Rayne (Stamway)

41

County of Essex.

Observer

Mrs. Best

River Basin Blackwater - 4.

Type of Gauge.

Annual Average. 1 in. based on 1 years obs. un-weighted. Period of average.

Ref. 56.1245/36

" 23.0 " computed by Mr. Cornish (1938) File No. 7.400.45/27

| | | | | | | | | | | | |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------|
| Diameter | 5" | | | 231 | 415 | | | | | | |
| Height | 1'6" | | 50 | | | | 1'0" | | | | |
| Altitude | 247' | | | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 1.59 | 2.46 | 4.93 | 1.52 | 1.37 | 1.22 | 2.21 | 3.36 | 1.21 | 1.37 | |
| February | 1.99 | .92 | .93 | .80 | 1.38 | 1.99 | 1.60 | 1.46 | 1.28 | 3.17 | |
| March | 3.20 | 2.07 | .34 | .23 | .82 | .86 | 4.22 | .96 | .83 | .64 | |
| April | 1.36 | 1.08 | .89 | 1.52 | 1.13 | .85 | 1.82 | 1.77 | 1.32 | 1.75 | |
| May | 1.16 | 1.62 | 1.67 | .84 | 2.69 | 1.83 | .58 | 1.76 | 2.00 | 1.51 | |
| June | .53 | .19 | 2.77 | 2.08 | 1.39 | 2.68 | 3.42 | 2.33 | .44 | 1.84 | |
| July | 2.71 | 2.27 | 1.80 | 3.11 | 1.45 | 2.91 | 4.00 | 1.00 | 1.75 | 2.15 | |
| August | 3.46 | 1.58 | 1.33 | 1.96 | 1.66 | 3.41 | .52 | 4.64 | 1.22 | 1.32 | |
| September | .39 | 1.89 | 1.69 | 2.78 | 2.05 | 2.52 | 1.54 | 1.24 | .81 | 2.92 | |
| October | 2.48 | 4.14 | 1.68 | 3.33 | 1.84 | 1.22 | .16 | 2.01 | 5.01 | .32 | |
| November | 2.29 | 1.72 | 1.51 | 2.68 | .44 | 2.93 | .94 | 1.88 | 2.08 | 3.93 | |
| December | 1.34 | 2.76 | 1.49 | 1.35 | 2.69 | 2.32 | 2.55 | 1.82 | 1.41 | 1.47 | |
| TOTALS | 22.50 d | 22.70 d | 21.03 d | 22.20 d | 18.91 d | 24.74 d | 23.56 d | 24.23 d | 19.36 d | 22.39 d | |

1941. the Tree 50 yds. N.

Tree. about 20' high 15 yds. E

Farm Bldgs. 50 yds. S.

" " 20' - 25' W.

1943-1947. Gauge on top of chicken house. Moved down to 1 ft. above ground level on 18/9/47.

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map

Reference No.

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge. | Direction from gauge. |
|--------------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1941 1947 | | | Rayne Rayne | 910 ft. 1060 ft. | S S. | Rayne Rayne | 2425 ft. 2390 ft. | E E. |

BRITISH RAINFALL ORGANIZATION

Station No. 1305

RAINFALL at Rayne (Steneway)

51

County of Essex

Observer Mrs. Burt

River Basin Blackwater - 4

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average Ref.
 " 23.58 " 30 " 1916-30
 " 23.0 in. computed by Mr. Gornish (1938) ref. 56/245/36 File No. 740045/27

| Diameter ... | 5" | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| Height ... | 1' 0" | | | | | | | | | | |
| Altitude ... | 247' | | | | | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January ... | 1.77 | 2.08 | .92 | 1.26 | 2.14 | 3.67 | 1.32 | 2.17 | | | |
| February ... | 5.10 | .64 | 1.23 | 2.57 | 1.94 | .77 | 2.54 | 3.93 | | | |
| March ... | 2.67 | 3.36 | .32 | 2.21 | 1.41 | .79 | 1.29 | 1.10 | | | |
| April ... | 2.70 | .88 | 2.17 | .28 | .18 | 1.33 | .33 | | | | |
| May ... | 2.30 | .64 | 1.34 | 1.95 | 4.19 | .56 | 1.14 | | | | |
| June ... | .99 | 1.06 | 2.18 | 2.09 | 3.39 | 1.89 | 1.73 | | | | |
| July ... | 1.44 | .60 | 3.45 | 2.20 | .56 | 3.57 | 3.03 | | | | |
| August ... | 2.26 | 2.01 | 1.39 | 2.71 | 1.35 | 4.42 | 2.43 | | | | |
| September ... | 4.19 | 2.27 | 1.90 | 1.18 | 2.01 | 2.48 | 2.42 | | | | |
| October ... | .55 | 1.96 | 3.00 | 1.54 | 4.49 | 2.62 | 1.95 | | | | |
| November ... | 3.68 | 3.78 | 1.17 | 3.18 | .85 | .61 | 2.77 | | | | |
| December ... | 1.94 | 2.08 | .74 | 1.55 | 1.62 | 2.34 | 2.20 | | | | |
| TOTALS ... | 29.59 | 21.36 | 19.81 | 22.72 | 24.13 | 25.04 | 23.15 | ing | | | |
| | D | D | D | D | D | D | D | D | | | |

1951 Trees 40' 30' + 20', 30.4, 15.4 + 25.4 N.E. + W. roap; Farm buildings 40' 70'S.

1958 T. April on death of Mrs E.L. Burt.

Measure 4975 purchased Jan 1941, tapered.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference TL(52) Y28227

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| 1957 | | | Rayne | 1060' 170° | Rayne | 935' 070' |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------|-----------------------|---------|------------------|---------|
| | | C 23 ✓ ✓ but 27-28 | ✓ ✓ | ✓ ✓ but 44-42 | |