

RAINFALL AT Ball Grange.

Lat. 50° 5'

Lon. 2° 3'

County of Stafford.

Rain Gauge, by

Stafford - 5

Observer

G. D. Harrison.

(~~as G. D. H. Harrison~~)

Engl. to Staffs. Pioneers

Waterworks Bay,

| | | | | | | | | | | | |
|----------------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Diameter..... | 5" | | | | | | | | | | |
| Height..... | 1 ft. | | | | | | | | | | |
| Altitude..... | 45 ft. | above | sea | level. | | | | | | | |
| Year..... | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | MEANS. |
| January..... | 2.21 | 1.56 | 5.38 | 3.04 | 3.40 | 3.43 | 2.09 | 4.95 | 3.81 | 1.53 | |
| February..... | 1.95 | 3.51 | 3.45 | 1.12 | 2.73 | 1.13 | 3.50 | 4.94 | 1.58 | 3.71 | |
| March..... | 1.85 | 1.69 | 3.65 | 4.68 | 2.48 | 1.04 | 4.49 | 3.90 | 1.45 | 1.42 | |
| April..... | 1.55 | 3.05 | 3.58 | .88 | 1.43 | .41 | 3.10 | 2.16 | 1.92 | 2.34 | |
| May..... | 1.89 | 2.25 | 2.80 | 2.73 | 1.13 | 1.93 | .91 | 3.44 | 6.34 | 2.24 | |
| June..... | 1.26 | 3.81 | 6.44 | 2.66 | .89 | 3.46 | 2.42 | 3.80 | 3.09 | 5.53 | |
| July..... | 1.41 | 3.83 | 5.92 | 3.84 | 4.11 | 6.13 | 2.06 | 3.90 | 1.36 | 5.45 | |
| August..... | .44 | 2.26 | 4.35 | 3.98 | 3.94 | 3.43 | 3.11 | 4.89 | 5.64 | 8.43 | |
| September..... | 2.74 | 5.23 | 4.42 | 2.64 | 2.88 | 3.52 | 5.96 | 2.42 | 4.36 | 2.68 | |
| October..... | 6.90 | 4.86 | 6.49 | 3.22 | 3.66 | 5.65 | 1.49 | 3.22 | 3.64 | 1.88 | |
| November..... | 1.14 | 1.80 | 3.99 | 2.84 | 5.55 | 4.66 | 3.44 | 3.80 | 3.44 | 1.64 | |
| December..... | 3.04 | 2.21 | 5.02 | .44 | 3.88 | 1.04 | 4.13 | 3.53 | 2.61 | 2.15 | |
| TOTALS..... | 26.94 | 36.06 | 55.46 | 32.46 | 36.61 | 36.49 | 34.93 | 45.33 | 39.60 | 38.66 | |

Back year 1870-1881 received Jan 1829 See encl 9A Ric.

820632/28

RAINFALL AT *Leek Wall Grange*

80

Lat.

Lon.

County of *Stafford*

Old

Rain Gauge, by

Observer

J. B. Percy, Esq.

Done - 5.

| | | | | | | | | | | | |
|---------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diameter | | | | | | | | | | | |
| Height | | | | | | | | | | | |
| Altitude | | | | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS |
| January.... | | | 2.65 | 3.68 | 3.60 | 1.99 | 5.46 | 3.64 | 1.86 | 1.40 | |
| February ... | | | 2.76 | 3.58 | 2.22 | 2.25 | .78 | .69 | 1.64 | 2.40 | |
| March | | | 2.57 | 1.53 | 2.92 | 1.85 | 2.87 | 1.84 | 2.51 | 3.43 | |
| April | | | 4.16 | 1.86 | 1.25 | 2.18 | 1.62 | .75 | 1.83 | 2.80 | |
| May | | | 2.17 | .94 | 1.76 | 2.48 | 5.53 | 1.94 | 1.08 | 3.83 | |
| June | | | 7.00 | 4.86 | 1.83 | 3.63 | 1.34 | .93 | 3.21 | .73 | |
| July | | | 6.33 | 3.57 | 3.59 | 1.29 | 3.43 | 1.31 | 5.52 | 3.67 | |
| August | | | 4.22 | 2.19 | 2.81 | 1.43 | 1.86 | 2.34 | 3.47 | 6.67 | |
| September... | | | 2.09 | 7.32 | 2.91 | 4.55 | 2.61 | 3.78 | .94 | 4.03 | |
| October | | | 5.03 | 4.74 | 2.86 | 5.46 | 5.14 | 2.47 | 1.20 | 3.00 | |
| November... | | | 7.02 | 3.72 | 2.29 | 1.94 | 2.89 | 1.71 | 5.16 | 2.02 | |
| December ... | | | 6.12 | 2.28 | 3.13 | 1.83 | 5.35 | 2.31 | 2.52 | 3.37 | |
| TOTALS | | | 52.12 | 34.97 | 30.37 | 31.88 | 38.88 | 23.61 | 30.94 | 37.35 | |

Cheddleton Church 7/8 mile S
House 24 ft high 50 ft N

RAINFALL AT *Walc Grange.*

Lat. *50° 5'* Lon. *2° 3'* County of *Stafford.*

Rain Gauge, by

Observer

G. D. Harrison.

Chap-5.

(later revised G. D. Harrison)
Eng. to Staffs. Tottenies
Waterworks Coy.,

| | | | | | | | | | | | |
|----------------|---------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| Diameter..... | <i>5"</i> | | | | | | | | | | |
| Height..... | <i>1 ft.</i> | | | | | | | | | | |
| Altitude..... | <i>457 ft. above sea level.</i> | | | | | | | | | | |
| Year..... | <i>1870</i> | <i>1871</i> | <i>1872</i> | <i>1873</i> | <i>1874</i> | <i>1875</i> | <i>1876</i> | <i>1877</i> | <i>1878</i> | <i>1879</i> | MEANS. |
| January..... | <i>1.20</i> | <i>.44</i> | | | | | | | | | |
| February..... | <i>2.30</i> | <i>5.56</i> | | | | | | | | | |
| March..... | <i>2.11</i> | <i>2.96</i> | | | | | | | | | |
| April..... | <i>1.84</i> | <i>1.09</i> | | | | | | | | | |
| May..... | <i>1.90</i> | <i>2.76</i> | | | | | | | | | |
| June..... | <i>2.75</i> | <i>2.63</i> | | | | | | | | | |
| July..... | <i>4.40</i> | <i>2.51</i> | | | | | | | | | |
| August..... | <i>2.74</i> | <i>5.60</i> | | | | | | | | | |
| September..... | <i>5.30</i> | <i>1.52</i> | | | | | | | | | |
| October..... | <i>3.61</i> | <i>3.02</i> | | | | | | | | | |
| November..... | <i>3.80</i> | <i>3.01</i> | | | | | | | | | |
| December..... | <i>6.11</i> | <i>4.44</i> | | | | | | | | | |
| TOTALS..... | <i>42.12</i> | <i>35.54</i> | | | | | | | | | |

See next sheet

Back year 1870 - 1881 received Jan 1929 File 820632/29

See encl 9A

RAINFALL AT Leek Wall Grange

80

Lat. _____ Lon. _____ County of StaffordNew Rain Gauge, by _____ Observer J B Percy Esq

No. - 5.

Daily

| | | | | | | | | | | | |
|---------------|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter | | | 5 | | | | | | | | |
| Height | | | 1. - | | | | | | | | |
| Altitude | | | 487 ft | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January ... | | .36 | 2.70 | 3.81 | 3.73 | 2.03 | 5.30 | 3.39 | 1.84 | 1.27 | |
| February ... | | 6.21 | 2.93 | 3.67 | 2.28 | 2.31 | .75 | .65 | 1.58 | 2.29 | |
| March | | 3.35 | 2.48 | 1.50 | 2.83 | 1.90 | 2.79 | 1.71 | 2.52 | 3.29 | |
| April | | 2.27 | 4.24 | 1.88 | 1.16 | 2.22 | 1.54 | .68 | 1.79 | 2.59 | |
| May | | 7.75 | 2.13 | .88 | 1.68 | 2.35 | 5.63 | 1.89 | 1.02 | 3.63 | |
| June | | 1.94 | 6.81 | 4.46 | 1.78 | 3.36 | 1.38 | .89 | 3.07 | .67 | |
| July | | 3.30 | 6.18 | 3.67 | 3.36 | 1.21 | 3.32 | 1.23 | 5.26 | 3.39 | |
| August | | 6.67 | 4.20 | 2.18 | 2.43 | 1.30 | 1.81 | 2.17 | 3.26 | 6.22 | |
| September ... | | 2.11 | 2.03 | 7.46 | 2.59 | 4.40 | 2.50 | 3.57 | .87 | 3.81 | |
| October | | 2.77 | 5.14 | 4.88 | 2.05 | 5.60 | 5.16 | 2.35 | 1.08 | 2.87 | |
| November ... | | 2.50 | 6.77 | 3.83 | 2.16 | 3.08 | 2.91 | 1.70 | 5.15 | 1.95 | |
| December | | 3.77 | 6.36 | 2.46 | 3.06 | 1.88 | 5.41 | 2.16 | 2.54 | 3.04 | |
| TOTALS | | 37.00 | 51.97 | 40.68 | 29.11 | 31.84 | 38.50 | 22.39 | 29.98 | 35.02 | |

1882 - not from Leek (L. 1)

Cheddleton Church 7/8 mile S

House 24 ft high 50 ft - 11

RAINFALL AT Leek Wall GrangeLat. 52° 27'Lon. 2° 25'County of Stafford

Rain Gauge, by _____

Observer _____

Date - 5.

New GaugeJ. B. Percy Esq
E. D. Harrison Esq C.R.

| | | | | | | | | | | | | |
|---------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter | 5 | | | | | | | | | | | |
| Height | 10 | | | | | | | | | | | |
| Altitude | 458 ft | | | | | | 437 | 458 | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. | |
| January | 3.98 | 2.27 | 2.71 | 2.21 | 3.35 | 4.08 | 1.84 | 1.94 | 2.12 | 4.10 | 2.860 | |
| February | .57 | .15 | 1.98 | 3.72 | 3.72 | .26 | 2.39 | 3.20 | 2.90 | 1.58 | 2.047 | |
| March | 2.58 | 1.76 | 1.16 | .70 | 2.40 | 3.56 | 4.67 | 3.36 | 1.07 | 1.60 | 2.286 | |
| April | 1.21 | 2.11 | .76 | .41 | 1.45 | 2.44 | 1.35 | 2.75 | 2.04 | 3.99 | 1.851 | |
| May | 1.82 | 3.58 | 4.06 | 2.19 | 2.38 | .81 | .48 | 2.25 | 3.92 | 2.17 | 2.366 | |
| June | 2.69 | 2.49 | 3.50 | 2.30 | 2.31 | 1.29 | 3.43 | 2.90 | 2.27 | 2.05 | 2.522 | |
| July | 2.79 | 2.81 | 3.09 | 2.30 | 2.72 | 4.56 | 1.52 | 2.15 | 1.24 | 2.84 | 2.602 | |
| August | 3.45 | 4.09 | 2.79 | 2.37 | 3.67 | 3.69 | 2.77 | 3.39 | 5.13 | 2.12 | 2.347 | |
| September.... | .61 | 2.79 | 3.05 | 2.42 | .34 | .72 | 5.92 | 5.03 | 1.23 | 3.65 | 2.576 | |
| October | 2.49 | 5.60 | 4.96 | 1.66 | 4.04 | 2.47 | 3.69 | 1.52 | 2.72 | 3.35 | 2.250 | |
| November.... | 6.12 | 2.79 | 2.33 | 2.23 | 2.26 | 3.54 | 1.84 | 3.50 | 3.58 | 1.49 | 2.968 | |
| December | .44 | 5.00 | 3.06 | 3.65 | 3.34 | 3.22 | 5.14 | 4.36 | 3.70 | 3.26 | 2.517 | |
| TOTALS | 28.75 | 35.44 | 33.45 | 26.16 | 31.98 | 30.64 | 35.04 | 36.35 | 31.92 | 32.20 | 22.193 | |

RAINFALL AT Leek Wall Grange

Lat. _____

Lon. _____

County of Stafford

Rain Gauge, by _____

Observer J. B. Piracy Esq

Done - 5.

Old Gauge

| | | | | | | | | | | | | |
|---------------|--------|-------|-------|------|------|------|------|------|------|------|--------|--|
| Diameter | 8 | | | | | | | | | | | |
| Height | 1 0 | | | | | | | | | | | |
| Altitude | 458 ft | | | | | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. | |
| January | 4.30 | 2.80 | | | | | | | | | | |
| February | .62 | .16 | | | | | | | | | | |
| March | 2.68 | 2.20 | | | | | | | | | | |
| April | 1.36 | 2.56 | | | | | | | | | | |
| May | 1.90 | 4.10 | | | | | | | | | | |
| June | 2.94 | 2.83 | | | | | | | | | | |
| July | 3.06 | 3.31 | | | | | | | | | | |
| August | 3.82 | 4.73 | | | | | | | | | | |
| September.... | .74 | 3.02 | | | | | | | | | | |
| October | 2.90 | 6.14 | | | | | | | | | | |
| November | 7.51 | 3.15 | | | | | | | | | | |
| December | .51 | 5.89 | | | | | | | | | | |
| TOTALS | 32.34 | 40.89 | 33.43 | | | | | | | | | |

Gauge set in a block of stone with its rim level with the surface of the block.

RAINFALL at

Leek Wall Grange

County of StaffordshireObserver G.B. H. Loomes Esq. Ch.River Basin Trunk Dove 5R C Train Esq. Ch.

Rain Gauge, by

| | | | | | | | | | | | | |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Diameter ... | 5 | | | | | | | | | | | |
| Height | 10 | | | | | | | | | | | |
| Altitude ... | 458 ft | | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. | |
| January ... | 3.57 | 1.23 | 4.25 | 3.63 | 1.85 | 4.78 | 1.79 | 2.99 | 2.19 | 4.37 | | 11.34 |
| February ... | 3.66 | 2.75 | 1.22 | 1.29 | 2.17 | 4.17 | 5.17 | 1.23 | 2.66 | 1.34 | | 10.40 |
| March | 1.14 | 1.86 | 4.93 | 5.41 | 4.26 | 1.74 | 2.78 | 2.43 | 1.93 | 4.78 | | 11.92 |
| April | 3.53 | 2.31 | .39 | 3.96 | 1.20 | 1.46 | 3.41 | 2.48 | 1.32 | 2.19 | | 9.40 |
| May | 2.43 | .92 | 2.07 | 3.01 | 2.85 | 2.65 | 2.19 | 2.69 | 2.72 | 1.29 | | 889 |
| June | 1.72 | 3.54 | 4.81 | 2.04 | 2.05 | 2.26 | 2.47 | 2.27 | 1.78 | 2.29 | | 881 |
| July | 5.54 | .57 | 4.31 | .96 | 6.77 | 6.51 | 2.96 | 1.47 | 3.56 | 3.11 | | 1110 |
| August | 5.98 | 3.19 | 5.98 | 2.30 | 3.22 | 3.41 | 3.28 | 5.40 | 2.71 | 3.32 | | 471 |
| September .. | .47 | 2.38 | 1.97 | 1.38 | 2.15 | .45 | 2.30 | 1.41 | 6.70 | 3.74 | | 1415 |
| October ... | 2.70 | 2.86 | 3.69 | 3.20 | 2.07 | 1.70 | 4.56 | 6.05 | 2.15 | 2.86 | | 1562 |
| November .. | 6.83 | 3.16 | 2.92 | 2.85 | 4.20 | 2.39 | 2.97 | 3.70 | 3.02 | 2.72 | | 1241 |
| December ... | 5.22 | 5.82 | 3.50 | 2.03 | 6.39 | 6.10 | 3.35 | 1.68 | 5.79 | 6.18 | | 1700 |
| TOTALS ... | 42.79 | 30.59 | 40.04 | 32.06 | 39.18 | 37.62 | 37.23 | 33.80 | 36.53 | 38.19 | | |

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|-----------|----------|------------------|-----------|------------|---------|-----------|------------|
| | 52° 27' N | 2° 23' W | W Grange | 1/4 m | W | London | 1/2 m | NW |

RAINFALL at Leek (Wall Stange).County of Staffs.Observer R. L. F. H. Exp. G. S.River Basin 5 - DoveStaffs. Potteries Water Bd.Snarwell Rain Gauge, by

| | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|---------------|--|
| Diameter ... | 5 | | | | | | | | | | | | |
| Height | 1.0 | | | | | | | | | | | | |
| Altitude ... | 458 | | | | | 457 | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 Weather | SUMS 20-30 | |
| January ... | 4.36 | 4.17 | 4.76 | 3.23 | 2.95 | 2.69 | 3.36 | 3.28 | 6.29 | 2.36 | 4.47 | 41.92 | |
| February ... | 2.63 | .23 | 3.66 | 6.02 | 1.27 | 4.53 | 2.81 | 2.24 | 3.17 | .77 | .50 | 28.83 | |
| March | 2.38 | 2.06 | 2.20 | 2.02 | 1.02 | 1.18 | 1.73 | 4.37 | 1.75 | .56 | 2.68 | 22.05 | |
| April | 6.13 | 1.91 | 2.31 | 3.01 | 2.62 | 2.37 | 1.41 | 2.83 | 1.34 | .84 | 3.53 | 28.80 | |
| May | 4.83 | 1.16 | .99 | 3.22 | 4.73 | 5.84 | 3.61 | 1.39 | 0.69 | 1.87 | 2.20 | 30.59 | |
| June | 3.87 | .67 | 1.74 | .97 | 3.10 | .09 | 2.51 | 6.14 | 4.12 | 1.51 | 1.74 | 26.43 | |
| July | 4.99 | .92 | 4.61 | 3.47 | 4.32 | 2.39 | 2.54 | 4.98 | 1.92 | 2.90 | 6.89 | 36.93 | |
| August | 2.03 | 5.39 | 4.32 | 3.73 | 6.80 | 3.07 | 3.17 | 4.78 | 4.36 | 3.83 | 4.34 | 45.80 | |
| September... | 3.53 | 1.48 | 3.75 | 3.82 | 3.50 | 4.61 | 2.27 | 4.18 | 1.03 | 1.72 | 3.84 | 34.89 | |
| October | 2.33 | 3.15 | .51 | 3.22 | 5.05 | 4.77 | 2.85 | 2.42 | 4.58 | 4.60 | 5.67 | 39.11 | |
| November... | 0.88 | 2.23 | 1.86 | 2.44 | 1.81 | 2.08 | 5.38 | 2.98 | 5.41 | 7.54 | 3.77 | 36.68 | |
| December... | 2.69 | 3.09 | 5.06 | 5.52 | 3.22 | 2.18 | 1.33 | 1.31 | 2.87 | 6.21 | 3.80 | 27.28 | |
| TOTALS... | 41.65 | 26.46 | 35.87 | 41.05 | 40.39 | 35.80 | 32.97 | 40.90 | 37.53 | 34.71 | 43.43 | | |

1927. Cottage 30 ft. high 30 ft. N.

Engine No. 55 - 104 - W.

25/12/88 Inspected by R. G. Langford see green file

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

No. of Map

Reference No.

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
|----------------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| from the gauge | 47° 58' | 2° 6' | Leek Stange | 1/4 m. | W. | Longdon | 1/2 m. | N.W. |

RAINFALL at Leek (Wall Grange P. Stn.)County of StaffordshireObserver R. C. Eakin Esq. C.E.River Basin Trent-Dave 5P. Williams Esq. C.E.Type of Gauge SnowdonAnnual Average 34.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.N.

820632/25.

| Diameter | 5 | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 10 | | | | | | | | | | |
| Altitude | 457 | | 456 | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | 4.28 | 3.30 | 1.99 | 2.96 | 2.49 | 3.80 | 4.15 | 4.51 | 5.53 | 2.03 | 3504 |
| February | 3.99 | 1.6 | 4.87 | 3.1 | 3.97 | 1.93 | 5.99 | 1.57 | 2.15 | 2.42 | 2736 |
| March | 1.6 | 2.28 | 2.58 | 2.12 | 1.09 | 1.82 | 2.20 | 1.97 | 2.42 | 2.26 | 1790 |
| April | 4.97 | 3.04 | 1.34 | 1.84 | 3.35 | 1.43 | 3.49 | 2.9 | 1.93 | 2.17 | 2386 |
| May | 3.27 | 5.02 | 1.67 | 1.73 | 7.1 | 1.48 | 2.36 | 2.00 | 1.88 | 1.58 | 2070 |
| June | 5.23 | 1.83 | 2.68 | 1.37 | 4.72 | 2.73 | 1.38 | 2.99 | 1.95 | 1.17 | 2506 |
| July | 3.72 | 3.07 | 2.90 | 1.99 | 1.08 | 6.17 | 3.32 | 3.62 | 5.35 | 4.89 | 3611 |
| August | 5.26 | 2.66 | 1.71 | 2.97 | 1.99 | 2.22 | 1.82 | 3.33 | 1.57 | 1.08 | 2261 |
| September | 3.39 | 2.47 | 1.81 | 2.26 | 4.64 | 4.56 | 1.23 | 2.40 | 1.85 | 2.88 | 2549 |
| October | 1.13 | 6.40 | 5.39 | 3.08 | 6.03 | 3.69 | 2.00 | 3.87 | 2.52 | 3.97 | 3808 |
| November | 5.67 | 2.73 | 1.56 | 1.60 | 4.77 | 4.02 | 1.11 | 4.26 | 6.07 | 7.08 | 3885 |
| December | 1.93 | 1.21 | 2.4 | 5.45 | 4.41 | 3.65 | 3.74 | 4.35 | 1.80 | 3.58 | 3036 |
| TOTALS | 43.00 | 33.17 | 26.74 | 27.68 | 39.26 | 36.50 | 31.79 | 34.14 | 34.02 | 35.11 | 3414 |
| | D. | D. | D. | D. | D. | D. | D. | D. | D. | D. | |

1931. Gauge moved May 14th 1931. 213' W.

Engine house 55' high 71' N. Cottage 30' high 220' E.N.E.

1932 Gauge moved 25 August. 200 yds. E.

1934 Engine house 53' high 144' NW. Cottage 20' high 80' N.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1931 | | | Wall Grange | 4 1/2 m | S.W. | Longedon | 3 1/4 m | N.W. |

Station No. T.F. 237RAINFALL at Leck (Wall gauge P.S.M.) ✓

41

County of StaffordshireObserver P. F. Jackson

Retired 1946

River Basin Trent-Dove-5C.V. BROWN, C.E. M.I.M.E. M.I.W.E. (1946)Type of Gauge SnowdonAnnual Average 34.4 in. based on 35 years obs. un-weighted. Period of average 1891-1915 Ref. B.T.N.File No. 820632/38

| Diameter | 5" | | | 103 | 043 | | | | | | |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------|
| Height | 1'0" | | | | 1 | | | | | | |
| Altitude | 456' | | | | 41 | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 1.64 | 3.57 | 5.09 | 4.82 | 2.72 | 2.90 | 2.02 | 5.74 | 1.69 | 1.99 | |
| February | 3.24 | 1.91 | 2.13 | 1.57 | 3.32 | 6.47 | .71 | 1.78 | 1.00 | 5.01 | |
| March | 3.50 | 1.59 | 1.07 | .55 | 1.26 | .97 | 5.12 | 1.19 | 2.15 | 1.46 | |
| April | 1.81 | 1.77 | 1.27 | 2.42 | 2.16 | 1.13 | 2.74 | 1.69 | 2.67 | 4.22 | |
| May | 2.83 | 4.41 | 3.46 | 1.88 | 3.41 | 1.55 | 2.89 | 1.22 | 1.57 | .97 | |
| June | 1.05 | .38 | 3.20 | 3.35 | 3.66 | 4.24 | 1.26 | 4.69 | .81 | 1.91 | |
| July | 3.62 | 3.86 | 1.84 | 3.60 | 1.39 | 3.20 | 3.36 | 2.26 | 1.45 | 2.45 | |
| August | 4.37 | 2.85 | 3.78 | 2.95 | 3.33 | 4.69 | .65 | 4.51 | 3.29 | 4.98 | |
| September | .61 | 2.07 | 4.25 | 4.00 | 2.04 | 4.72 | 1.53 | 2.02 | .62 | 4.72 | |
| October | 4.24 | 3.76 | 2.85 | 5.30 | 5.68 | .65 | .45 | 2.39 | 4.12 | 1.51 | |
| November | 3.21 | .65 | 3.01 | 6.13 | .31 | 5.77 | 3.73 | 2.02 | 4.92 | 5.01 | |
| December | 1.52 | 3.39 | 1.84 | 2.56 | 3.38 | 4.43 | 2.95 | 2.00 | 3.95 | 3.09 | |
| TOTALS | 31.64 D | 30.21 D | 33.79 D | 39.13 D | 32.66 D | 40.72 D | 27.41 D | 33.51 D | 28.24 D | 37.32 D | |

Pent House 36' high 140° NW, 17' high 100° NW, Cottage 20' high 90° N.

1948 See n.p.1949 n.p. pending inspection

297.21

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| | | | | | | | | |

RAINFALL at Leek (Wall Grange P. Sta.)

51

County of StaffordshireObserver C.V. Brown Esq. C.F. M.I.M.F., M.I.W.F.River Basin Throst Gorge 5Type of Gauge SnowdonAnnual Average 34.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B & NFile No. 820632/28

| Diameter ... | 5" | | | 103 | 043 | | | | | | |
|---------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|-------|
| Height ... | 1' 6" | | | 1 | | | | | | | |
| Altitude ... | 456' | | | 51 | | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January ... | 3.17 | 3.72 | 1.47 | 2.13 | 2.60 | 5.01 | 2.17 | 3.35 | 2.94 | 5.30 | |
| February ... | 3.58 | 1.72 | 1.80 | 2.96 | 1.86 | .89 | 2.73 | 5.16 | .70 | 2.42 | |
| March ... | 5.41 | 2.17 | 1.54 | 2.56 | 2.45 | 2.15 | 3.50 | 1.61 | 2.36 | 1.64 | |
| April ... | 2.87 | 3.24 | 2.49 | .70 | 2.15 | 1.45 | .44 | 1.38 | 3.05 | 1.66 | |
| May ... | 2.63 | 2.53 | 1.66 | 2.71 | 3.01 | 1.01 | 1.39 | 3.67 | .90 | 1.99 | |
| June ... | 2.16 | 2.70 | 2.86 | 3.50 | 2.62 | 2.36 | 2.07 | 5.48 | 1.42 | 2.97 | |
| July ... | 2.22 | 2.23 | 3.31 | 3.89 | .63 | 4.97 | 4.76 | 4.54 | 1.91 | 4.25 | |
| August ... | 4.75 | 2.43 | 3.58 | 5.17 | 1.49 | 8.28 | 4.59 | 4.12 | .86 | 4.78 | |
| September ... | 2.48 | 2.54 | 2.43 | 4.22 | 2.37 | 2.68 | 7.12 | 5.39 | .13 | 4.59 | |
| October ... | .99 | 3.81 | 2.08 | 5.54 | 2.66 | 2.55 | 2.81 | 3.95 | 2.46 | 5.17 | |
| November ... | 8.78 | 1.86 | 2.25 | 5.75 | 2.29 | 1.55 | 1.71 | 1.91 | 4.38 | 4.76 | |
| December ... | 4.42 | 3.97 | 1.45 | 4.56 | 3.31 | 4.12 | 3.68 | 3.46 | 5.74 | 4.17 | |
| TOTALS ... | 43.46 D | 32.92 D | 26.72 D NP | 43.69 D | 21.44 D | 37.02 D | 36.94 D | 44.02 D | 26.85 D | 43.70 D | |

Ins. 5.10.53. g. being badly out of wedge of south wind facing fence. New g. to be set up south of fence. New measure recommended.

1953 NP. Leaking. New gauge purchased 22.10.53 but like not to be changed pending new building of pit shaft in 4.5.55. Neither site nor gauge had been changed since the 1953 ins. The g. is in very poor condition. A new g. is to be installed immediately on a lawn 35' distant from fence edge.

1954. Print.

Repeated

Annual Average 34.05 in. based on 20 years obs. within 1933-57 o/s Period of average 1916-1950 S

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 55(23) 966536

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| 1954 | | | Wall Grange | 1/4 m WSW | Lingsdon | 3/4 m NN |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------------|---------|---------|-----------------|---------|
| | ✓ Leak -16 | ✓ | ✓ | ✓ N.P. 48.49 | |