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3555

Armstrong College
RAINFALL at Rowlands Gill, Chopwellwood House

County of Durham
River Basin Tyne Lower-3

Observer J. F. Armstrong M.O.
J. McLaren Esq.
K. W. Hunter Esq.

Rain Gauge, by _____

Diameter ...	8	12	6								
Height	1	0									
Altitude ...	446										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...		4.11	4.38	1.91	1.90	1.33	6.16	2.28	3.32		
February ...		3.21	.75	1.76	3.20	3.70	.83	1.34	1.89		
March	3.12	2.64	4.00	1.87	2.14	4.17	2.05	1.46	3.05		
April	1.55	.19	2.76	.81	.53	1.65	3.18	2.05	1.96		
May86	2.83	2.44	1.36	2.14	3.20	2.92	1.85	1.15		
June	4.37	4.98	1.47	4.28	.45	2.03	1.73	.74	1.11		
July88	4.66	1.18	2.36	3.38	2.33	1.22	3.46	2.11		
August	3.12	6.23	1.74	2.43	2.86	4.08	8.14	1.81	2.51		
September ..	2.45	2.54	4.09	1.59	1.75	1.56	1.57	5.32	1.07		
October ...	2.62	2.57	1.39	2.46	1.27	3.03	2.60	2.60	5.29		
November ..	3.49	1.63	1.40	4.19	1.56	4.04	1.03	1.46	4.38		
December ...	4.27	2.06	1.04	5.11	6.75	3.69	3.04	2.88	3.06		
TOTALS ...		37.65	26.68	30.13	27.93	34.81	33.47	27.25	30.90		

1910 Hedge & wire fence 32 ft high 5yds away
1914 Yards. 12 ft. > 30 ft. NW & N.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
4/17	54°55' N	1°47' W	Rowlands Gill Linton Green	2 1/2 m	SE	St Patricks	1 1/2 m	N E

RAINFALL at Rowlands Gill Armstrong College Chopwellwood, No. 1

County of Durham

Observer P. R. Hunter Esq.

River Basin Tyne-Lower 3

Y. E. Anderson (1922)

Dept. of D. Hopkins (1926)

Rain Gauge, by Pasquelli, Rapkin

for Office of Woods, Wm Hadgson (1929)
Forestry Commission.

Diameter ...	8										
Height	1	0									
Altitude ...	446										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930, MEANS
January ...	2.64	4.77	3.69	.85	1.81	2.35	2.77	1.79	2.57	2.10	3.65
February ...	1.13	1.2	2.32	3.81	1.08	2.71	2.26	0.64	1.53	1.38	1.55
March	3.29	1.02	1.42	1.37	.73		1.11	3.32	3.52	.47	2.64
April	3.87	1.38	2.15	1.96	1.40	1.95	1.55	1.87	1.19	1.51	2.59
May	3.63	1.57	70	2.62	5.62		2.88	1.76	1.82	1.20	1.66
June	1.15	.57	1.19	.91	2.02	.10	3.28	4.03	4.50	1.48	1.02
July	3.68	1.33	5.85	2.28	6.08	1.74	4.25	3.42	1.84	2.84	6.33
August	1.22	6.07	2.34	4.43	3.79	3.27	2.53	5.15	4.58	3.00	5.48
September...	1.81	.74	4.51	1.83	2.66		2.64	4.56	1.62	1.20	3.02
October	2.10	1.57	1.61	1.95	3.42		2.81	1.54	4.00	1.83	1.88
November...	1.23	2.29	84	3.90	1.09		5.18	3.31	3.78	2.70	3.12
December ...	3.70	1.63	3.43	2.56	2.64	4.60	.81	4.45	1.95	3.65	3.00
TOTALS...	29.10	23.26	30.05	28.37	32.34	IMP	32.07	35.84	32.90	23.39	35.94
	D	D	D	D	D		D	D	M	D	

1920 Trees 14ft High 15yds NW+N.

1921 " " 8 " NW.

1929 " 20 " 15 " W

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series				No. of Map	Reference No.			
Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	54° 55'	1° 47'	Silby Green	2 mi	S	St. Patrick	1/2 mi	NE
			Rowlands Gill	3 miles	E			

RAINFALL at Rowlands Gill (Chopwellwood) M.W.R.

County of Durham Observer Forestry Commission

River Basin Tyne - lower - 3

Type of Gauge Standard

Annual Average 28.7 in. based on 14 years obs. un-weighted. Period of average 1.8.31-1.9.45 Ref. S. Averages

Diameter	8.					8"					
Height	1.0.					1.0					
Altitude	446					446					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	2.26	1.35	(1.44)	2.08	2.03	1.19	3.40	1.95	3.48	2.30	2448
February	1.87	.83	1.72	1.35	2.88	2.37	3.46	1.94	1.10	2.27	1879
March	1.314	2.18	1.44	3.77	1.60	2.56	2.95	.50	3.88	2.44	2066
April	3.56	1.63	1.38	4.87	2.07	1.46	2.43	.28	1.37	1.21	2056
May	2.61	3.67	2.27	1.48	1.13	2.39	2.87	2.73	1.32	.95	2142
June	4.08	1.08	2.14	2.93	3.17	4.31	1.57	3.09	2.64	1.13	2614
July	3.65	4.44	2.23	2.51	1.65	3.29	2.22	2.64	3.50	6.73	3176
August	3.57	2.28	1.76	2.41	2.31	2.28	2.46	2.22	2.42	1.12	2283
September	2.04	2.64	1.86	1.37	4.51	2.77	2.00	2.06	1.83	1.54	2262
October	1.11	3.82	4.04	3.61	3.54	1.41	2.02	3.68	5.86	3.55	3264
November	2.57	(.80)	3.67	3.23	4.17	3.59	1.46	2.74	3.08	3.37	2868
December	1.20	.88	1.20	4.32	1.77	1.80	4.71	3.47	1.26	2.65	2326
TOTALS	29.86	(25.60)	24.15	32.93	28.83	33.42	31.85	26.20	31.74	29.26	29384

Inspector 1/6/33. Cut in funnel. Site over sheltered.

Change moved to new site selected by inspector on 14/8/33.

Old site had become unduly sheltered by trees.

1956. Inspected 18/5/56. Gauge agreed. No change.

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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	Parish Church.	Distance from gauge

Station No.

3555

RAINFALL at Rowlands Gill (Cropwell wood) M.W.R. 41

County of Durham Observer Forestry Commission
River Basin Tyne - Lower - 3
Type of Gauge Bawdon

Annual Average 28.7 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. E6924/47

18-7-46 Gauge tested & found sound. A train collected in coffee car. D. considers site satisfactory.

Sheltered by trees E&N grass in place melted. Funeral insectary; infestation possible.
New site recommended south of forestry buildings but with gentle slope to SSW. Cangalakating in cylinder above funeral. To be repaired.

1949. Station inspected. Site changed 5-5-50.

1946 - Oct and 12/61 to complete year for ensuring 1/8 . 29.70 fits in short of major.

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

Reference No.

Station No. 3555

RAINFALL at Rowlands Gill (Chopwellwood) M.W.R. (70) 51County of DurhamObserver Forestry CommissionRiver Basin Tyne - Lower - 3Type of Gauge Snowdon

Annual Average 28.7 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. 5
29.11 - - 4 " - 1953-1956 1916-1950 E 6924 (10) P

Diameter ...	8"			018	536							
Height ...	1' 0"				1							
Altitude ...	446'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	1.76	2.28	(.75)	3.06	2.23	3.19	1.69	1.74	2.95	4.91	24.59	
February	2.16	.58	1.57	2.22	1.63	2.50	2.24	4.83	.77	2.50	20.50	
March	4.24	1.39	.06	1.31	2.09	1.00	1.31	2.92	.73	2.19	17.24	
April	1.67	1.39	2.28	.60	.66	1.27	.60	2.17	1.94	1.28	13.86	
May	3.72	1.33	3.03	4.19	1.92	.70	2.07	3.93	.54	2.52	23.95	
June	1.85	1.41	2.59	1.58	2.51	4.20	1.74	3.59	3.55	.18	23.18	
July	2.14	.86	2.31	2.85	1.29	3.09	3.39	3.36	1.24	4.49	24.52	
August	4.92	1.96	4.02	5.95	1.00	7.54	4.38	2.44	.43	4.62	36.98	
September	1.36	3.24	1.40	2.88	.99	2.76	3.48	2.31	.93	2.28	21.63	
October	.63	3.34	1.58	4.16	1.73	1.98	2.00	1.52	1.33	1.74	26.01	
November	6.71	3.42	1.17	3.55	1.38	.68	1.95	.58	4.96	2.68	27.08	
December	2.22	(2.86)	1.14	2.21	3.14	1.84	1.96	4.22	4.75	2.07	26.41	
TOTALS ...	33.40	24.06	21.90	34.04	20.57	30.75	26.81	32.81	24.15	37.46	285.95	10
d.												

Jump 1st total 20.5.52. New site since last comp. Satisfactory while, perhaps a little overexposed to S. Slight tilt corrected.
Not continuous measure. Super measure recommended.

1952 Dec set. measure broken.
1953 Jan. est. Most(b)
40004

Jump 1st

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference N2145136580

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C imp 1911 ✓ bndt - 17-18	✓ np 25 bndt - 24	✓ bndt d 32	✓ imp 46. ✓	