

RAINFALL at New Cumnock, Power Station.County of Ayr.
River Basin Nith. 13.Observer James Jack, Esq.
New Cumnock Colliery Co. Ltd.
Managing Director."Own pattern" Rain Gauge, by "ourselves"
Snowdon

Diameter ...			5									
Height			1 0									
Altitude ...			7641									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...				4.59	5.50	5.94	13.28	3.54	8.02	6.49		
February ...				2.69	11.19	12.66	7.72	1.31	10.24	.43		
March				6.34	8.16	3.75	2.39	3.95	1.52	3.84		
April				7.53	5.31	4.44	6.58	2.61	.99	3.10		
May				5.00	1.90	.69	5.00	3.03	2.15	.98		
June				3.25	.44	1.62	2.65	3.82	1.92	4.28		
July				1.12	3.50	4.69	6.02	1.08	3.06	.66		
August				1.25	2.87	5.02	2.94	6.46	3.47	3.26		
September ..				2.56	2.00	1.18	3.05	3.41	9.25	4.61		
October ...				4.03	3.50	3.38	9.10	15.68	9.03	1.31		
November ..			8.31	8.84	9.12	2.43	8.30	14.09	10.73	5.70		
December...			16.72	6.06	14.87	9.58	7.36	3.20	6.62	14.00		
TOTALS ...				53.26	68.36	55.38	74.29	62.18	67.00	48.68		

1912 Power stn. 60 ft. high 67 yds. NE. Cooling Tower 75 ft high 67 yds N.E.
 1912 + 1913 recd 30.11.15 entrd 16.11.15.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	55° 22' 35"	4° 13'	New Cumnock	2.23 m	N 38° E	New Cumnock	1.85 m	N 43° 35' E

RAINFALL at New Cumnock, Power StationCounty of AyrObserver J. Jack Esq., New Cumnock Collieries Ltd.River Basin Nith 13.A. I. Keay, Esq. (1925)

"Gunn pattern" Rain Gauge, by "Gunscher"

New Cumnock Collieries Ltd.

Diameter ...	5											
Height	1	0										
Altitude ...	764											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN.	
January ...	11.62	13.68	6.03	7.98	8.57	6.75	8.61	7.88	10.34	2.38	13.05	
February ...	8.46	1.44	4.00	9.85	2.75	4.70	4.69	2.08	4.38	1.92	.71	
March	9.59	12.91	3.72	2.50	.78	1.51	5.11	3.96	5.23	1.00	4.13	
April	2.94	2.84	3.74	3.69	3.40	5.36	3.04	3.14	2.45	1.52	4.51	
May	7.66	4.01	3.72	2.92	3.11	5.50	3.03	2.97	1.29	6.90	2.89	
June	1.41	.87	2.16	2.24	1.86	.19	2.51	4.08	5.43	2.97	3.54	
July	3.88	5.29	2.01	4.27	4.20	1.59	4.15	4.51	3.60	6.50	6.89	
August	4.04	8.19	4.06	8.14	3.13	2.86	3.37	3.87	5.78	7.27	10.36	
September...	2.63	2.39	3.13	9.49	7.08	3.04	2.91	8.01	3.24	1.96	6.75	
October	4.96	3.69	2.07	8.86	3.02	5.08	5.84	5.06	9.37	11.81	15.21	
November...	3.82	2.42	5.07	5.25	4.09	1.98	6.51	4.94	8.49	9.44	12.45	
December...	5.26	11.44	6.92	6.15	9.35	7.32	2.39	2.13	5.81	22.40	9.89	
TOTALS...	66.27	69.18	46.63	71.34	51.34	45.88	52.16	52.63	65.41	76.07	90.08	
	D	D	D	D	D	D	D	D	D	D	D	

1920. Power Station 60 ft high 67 yds N.E.

Cooling Tower 75 " " 56 " " "

1923. Some individual falls seem very heavy to Jan & Feb. seem high.

1929 m.p. 15" high.

1930 year very high.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 22' 35"	4° 13'	New Cumnock	2.23 mi	N 38° E	New Cumnock	1.85 mi	N 43° 35' E

RAINFALL at New Bunnock (Power Station)County of Arg.Observer New Bunnock Collieries, Ltd.River Basin B-NickType of Gauge M.O.Annual Average 53.8 in. based on 56 years obs. un-weighted. Period of average 1881-1937 Ref 5

Diameter	5"										
Height	1' 0"										
Altitude	464'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	9.25	10.11	5.29	8.02 7.61	2.84 2.76	4.87	7.97	9.64	4.69	(2.50)	
February	11.27	.04	3.26	.57	6.83 6.42	3.39	6.47	3.69	6.39	(1.87)	
March	1.52	2.54	3.92	3.60	2.10 2.07	2.92	1.59	3.82	4.71	(6.22)	
April	4.64	4.24	1.56	3.97	3.23	8.6	2.29	.25	3.06	1.65	
May	6.78	2.52	3.69	3.62	1.00	2.34	1.71	2.92	1.45	1.25	
June	12.07	2.22	2.77	2.30	4.75	1.52	2.11	4.21	1.35	1.44	
July	7.54	4.10	4.70	2.48	2.29	5.40	6.02	5.46	2.96	5.28	
August	3.67	1.21	3.02	6.20	1.18 1.22	1.77	2.14	2.97	1.40	2.82	
September	1.58	4.46	1.48	5.56 7.44	4.29 7.50	4.27	3.32	3.40	1.97	5.25	
October	7.09	8.60	3.59	7.54	7.76 7.14	5.14	4.69	10.12	2.47	6.04	
November	18.55	5.22	2.11	1.13	6.39 7.14	5.43	1.18	9.52	10.97	6.03	
December	11.05	10.73	.87	8.54 8.76	5.21 4.61	6.28	2.61	4.53	2.99	7.94	
TOTALS	95.31	55.99	36.26	53.43 53.24	47.35 47.28	44.69	42.10	60.53	43.41	(48.29)	
	5.9/4	D	D	D	D	D	D	D	D	D	

1931 year at least 30" high. Observer asserts that record is correct.

1933 Power station 60' high 67 yds. N.E. booring tower 75' high 56 yds. N.E.

29.12.37. Values for 1934, 1935 corrected for wrong day 29.12.37.

1940 Jan. Feb. & March corrected for snow.

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
			New Bunnock	223	N.E.	New Bunnock	1.85	N.E.

Station No. 5275
RAINFALL at New Cumnock (Power Station) **41**
 County of Ayr Observer New Cumnock Collieries, Ltd.
 River Basin 13-N.H. Natural Coal Board 1948
 Type of Gauge 1.0

Annual Average 56.8 in. based on 112 years obs. un-weighted. Period of average 1851-1915 Ref S

File No.

Diameter	5"					6.20	0.94				
Height	1' 0"						1				
Altitude	764'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	0.81	(6.69)	6.10	4.72	4.47	6.19	5.47	8.36	6.50	4.08	
February	(3.85)	2.98	5.15	1.33	7.67	4.43	.44	4.72	7.37	5.21	
March	1.84	1.69	1.80	.53	3.56	1.92	(4.08)	6.67	2.27	4.62	
April	2.18	2.47	3.37	2.24	1.94	1.97	9.21	3.61	6.63	5.43	
May	4.34	3.98	3.55	(4.60)	5.36	1.31	4.63	1.40	2.30	1.51	
June	1.41	1.56	3.79	(3.70)	4.14	3.36	3.00	6.00	0.83	3.13	
July	3.68	3.29	1.98	(4.50)	4.47	4.55	4.98	3.58	1.58	5.27	
August	7.04	4.45	3.65	(5.40)	1.77	3.33	.06	5.96	3.50	5.22	
September	2.25	6.76	2.79	(8.90)	8.81	8.27	6.50	6.19	2.01	13.30	
October	4.83	6.50	8.55	(9.30)	4.86	.64	2.37	5.38	6.52	5.01	
November	5.40	1.36	3.39	(10.40)	.62	8.02	7.52	4.51	7.58	4.75	
December	3.33	(8.62)	3.55	7.60	5.66	5.63	4.22	9.69	9.74	2.37	
TOTALS	40.96	(50.2)	47.97	(63.22)	53.33	49.62	52.43	66.07	56.88	59.90	

1941. Feb. part est'd.

1942 Jan. adj. for snow. Dec. pt. est'd.

1943 n.p. low, gauge defective. New ms. 3. x. 4.4

1944 n.p. inc. June gauge out of order. Obs. resumed 1/12/44.

1947 Mar. adj. for snow

1947 Apr. downcast, n.p. in 1949.

1950 Feb. 4. 10.12 pt.

20004 40014

02764

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

BRITISH RAINFALL ORGANIZATION

Station No. 5275

RAINFALL at

New Cumnock (Pawer Station)

51

County of Clydeside

Observer National Land Board

River Basin 13 - nite

Type of Gauge No. 2 x 2 1/2

Annual Average 5.8 in. based on 6 years obs. unweighted. Period of average 1881-1915 Ref. S

" 52.80 " " 5 " 1955-59. " " 1916-20 " 5.

File No.

Diameter ...	5"					620	094					
Height ...	1'0"						1					
Altitude ...	764'			new site 741'			51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.64	5.51	2.74	5.51	3.83	3.57	6.31	6.89	3.03	4.61		
February ...	3.06	2.18	1.79	3.79	1.92	1.42	4.13	4.98	1.93	6.47		
March ...	3.41	2.69	1.10	3.57	1.60	3.30	3.21	1.20	3.22	1.70		
April ...	4.19	2.73	3.39	2.15	2.58	1.98	2.24	2.06	4.00	5.94		
May ...	2.48	2.54	3.12	4.81	3.60	2.43	2.76	2.73	1.16	1.99		
June ...	1.59	3.07	1.03	3.67	2.62	3.45	1.54	3.62	3.11	3.16		
July ...	2.85	4.04	4.37	4.34	2.11	5.49	5.20	4.68	5.70	2.85		
August ...	8.14	2.92	3.16	5.44	1.78	8.07	6.66	5.21	1.21	4.05		
September ...	5.33	2.76	5.88	8.90	4.91	4.85	3.21	5.10	1.76	3.56		
October ...	0.94	5.51	4.84	9.40	5.63	4.10	6.22	4.15	8.30	3.62		
November ...	11.71	3.05	7.04	10.38	3.48	3.07	2.67	1.70	7.43	(10.00)		
December ...	9.17	4.94	5.16	8.80	8.64	7.17	6.60	6.13	9.04	6.44		
TOTALS ...	57.51	41.94	43.62	70.76	40.60	48.90	49.75	48.47	49.92	54.39		
	D	D	D	D	D	D	D	D	D	D		

Imp NW Cumnock 29.9.54. Gauge sound, rain a little heavier. g. on roof of cycle shed for safety. shed 2 1/2 bricks on roof sloping E.W. Overexposed.

Wicket chosen on water ground. 200 p.m. N. The hollow with adequate shelter recorded 26/9/54

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 26/595114

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
			New Cumnock.	2.23 m N NE 'N		1.85 m N NE.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	c imp. 1912	✓	✓ np 31	✓ np 43-44	
	✓ 12.1 - 12.5.16	✓	✓ 12.3 - 31	✓ 12.4 - 12.43.44	