Cheshire.

Above Mean Sea Level, 2/5 ... ft. Diameter of Gauge, ..... in. Height above Ground, ...... ft. ..... in. Upper mersey - 1. YEAR - -1834 1835 1836 1857 1838 1839 MEANS. January - -1.01 2.50 3.98 2.01 2.07 February- -1.18 3.27 1.69 .13 2.89 March - - -2.61 .25 2.30 2.29 5.28 April- - - -1.59 2.73 2.90 2.66 3.61 May - - - -2.26 2.78 1.67 3.15 .36 June . - - -3.62 2.83 3.83 4.07 1.95 July - - - -3.42 4.46 4.62 2.40 1.78 August - - -3.14 8.03 7.05 5.09 7.48 September -1.11 4.73. 3.63 3.53 5.60 October - -7.78 2.87 1.91 5.21 3.60 November -94 4.18 1.27 1.25 2.83 December -1.22 3.98 1.74 4.35 2.75 Totals -29.91 42.61 3.6.59 36.14 40.20

c c - c - c - c

# naingall at Arnfield Reservoir M.C. W. W.



YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS
								100000		2.66	
										4.97	
March										1.22	
April	1.30	1.11	2.94	1.74	.97	1.39	1.51	5.20	2.25	2.36	2.077
May	3.08	.96	4.24	1.82	3.16	2.23	2 05	2.00	1.76	3.30	2.460
June	7.26	3.09	3.63	4.35	3.27	.77	4.96	1.96	- 25	1.48	3.102
July	2.76	4.61	5.03	1.47	1.88	2.85	4.77	5.52	1.14	1.10	3.113
										3.02	
September -										6.75	
October November -										3.35	
	2.8%	4.54	1.17	3.35	3.78	3.08	6.30	1.72	2.70	4.73	3-424
December -	20.00	2.04	2.90	2.60	31.21	19.37	4.50	30.1.6	35.47	5-11 40-05	3.393

#### RAINFALL AT armfield Reservoir

Lon. .... County of Cheshire Lat I Bateman Es, ......Rain Gauge, by..... upper messey -1. Diameter ... Height ..... Altitude .... 575 YEAR ..... 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 MEANS. January ...... 3. 12 -1.06 382 3.39 4.21 4 02 2.25 6.31 5.75 1.63 3.556 February ..... 7 13 3.23 3.76 .72 2.02 1.17 4.73 5.40 1.40 2.81 2.637 March ...... 2 1/2 1.25 2.81 5.17 4.36 71 472 3.93 2.90 1.97 2.794 April...... 2-19 3.74 4.47 .65 1.71 1.55 3.34 2.72 2.08 2.29 2.464 May ...... 1.61 2.20 2.97 2.47 2.53 2 20 1.71 3.88 412 2.51 2.620 June ...... 2.01 3.95 7.14 3.28 .97 2.91 3.52 2.77 3.46 5.02 3.503 3.06 3.80 4.51 4.36 1.68 4. 55 3.80 4.94 66 5.16 3.652 August ...... 2.06 1.50 3.36 5.02 5.04 3 21 3.96 5.91 5.31 6.49 4.186 September.... 2.69 4.69 7.14 2.90 4.03 5.35 4.44 3.41 5.80 3.06 4.351 October ...... 9.33 4.52 5.09 5.22 3.805.54 2 52 4.40 3.75 3.20 4.437 November .... 2.61 1.65 4.69 3.21 5 49 5.42 3.95 6.56 3.42 2.12 3.912 December .... 2 62 2 29 2 94 1 19 3 50 1 72 5 90 3 84 2 36 3 31 2 964 Тотых ...... 34-45 33.08 52.90 35.58 3984 38 35 44.84 54.07 41.01 39.57 41 379

lepper mers			lange, by			Obser	ver	J., J	idebr	ttom S	ag.
Diameter	0						7				
Height								2.6			
Altitude							550	573			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS
January							5.02	1.68	1.80	1-85	
February							. 52	.65	1.02	2-45	
March							2:26	1.46	2.60	4.03	
April							2.09	1.15	2.46	2.60	
May							7:01	2.07	1.00	1.75	
June						100	1.68	.33	2.52	-79	
July							3 .38	1-10	6.10	3-03	
August							2.14	1.23	3-45	5.91	
September							3.00	3.58	1.85	3.66	
October							5-12	2.32	1.60	4.13	
November						Bail	1.82	1-90	6.75	2-02	
December							548	2.57	2.30	3-24	
Totals				- 33		-1-	2051	2.0	22 15	35-45	

1887 Christ Church Tintristle 1/2 mile E Wall 5.3" Sugh 18' SE Bank 32' " 144' NE

N.B. Values rejected when Rainfall Survey Map brokered in Nov. 1928.

RAINFALL AT Arufield Reservoir 80 Lon. County of Cheshire. Overroal F. Bateman, Esq. F. P. S. Rain Gauge, by

lipher	mersey	1.	

Diameter								12			
Height								2.6			
Altitude	595				550			513			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEAN
fanuary	.7/	.70	4.44	5-25	5.69	2:40	5.40	1.82	1.88	1.85	3.01
Pebruary					2.72					2.45	2.59
darch					2.06					4.03	2.75
kpril					1.78				2.52	2.60	2.18
					2.01				1.04	1.75	2.62
une					1.28				2.75	-79	2.80
uly			1		3.41				6.11	3.03	3.67
ugust					2.70				3.57		3.19
eptember					3:16				1.95	3.65	3.71
					2:45				1.85	4.13	
	. /				2.13				7.35	2.02	
ecember	6.50	4.67	4.78	3.58	4:97	2.62	5.58	2.76	2.42	3.24	4.11
TOTALS	46.98	42.21	5130	42.66	34:36	36.81	41.90	22.15	35-36	35.45	38-01

1887 Christ Chinal Findwick 1/2 Mile E Wall 5'3" high 1891 SE Bank 32' 184 - NE

## RAINFALL AT amfield Reservoir

G. HHell Es C.E. Rain Gauge, by lipper mersey - 1. Diameter . . . . Height ..... 26 550 Year ..... 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 MEANS. January .... 3.74 3.06 3.69 1.62 3.12 3.17 1.85 1.91 3.12 February .... .71 2.86 2.70 3.38 .57 3.30 4.91 5.76 March ..... 4.31

5.02 3.030 1.10 2.610 227 1.56 .84 3.59 3.86 6.10 3.80 3.13 2.52 3.198 April..... .95 1.97 1.45 .74 2.04 2.12 3.38 2.76 1.80 3.85 2.106 May ..... 2.96 3.70 5.57 2.90 3.07 1.19 -60 2.11 4.08 June ..... 3.95 2.95 3.21 3.39 3.42 3.19 2.54 3.77 2.06 3.199 July ..... 3.83 4.10 3.56 3.25 3.39 7.55 2.38 2.30 1.13 2.26 3.375 Angust ... 5.63 7.79 4.64 437 3.32 3.44 6.25 3.57 5.15 September... 1.25 3.99 4.04 1.44 6.95 5.07 .42 6.90 3.527 4.39 .79 October.... 3.00 5.56 7.74 2.91 5.91 4.11 6.26 2.12 4.45 3.95 4.601 November . . . 4.90 3.45 2.60 3.30 2.47 3.10 1.90 5.51 2.64 1.58 3.145 December .... .46 6.60 2.48 3.96 3.49 4.72 4.99 4.27 5.69 3.03 2.969 TOTALS .... 35-79 46-01 44-14 34-9342-55 39.23 42 72 40.03 40.24 37.44 40.308

R	AINI	FALI	AT	a	rnfi	ild	Reser	vou			
Lat				Lon	1	C	nunty of	Chè	hiri		
			Gauge, b	y		. Obse	rver G	H. Hil	l Es	y ck	
lipper me	ray -	1.									
Diameter	12										
Height	26										
Altitude	550										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January						,					
February										2.21	S ARCOND
March	10000			100		2.44		300		2.98	107 ASS 200
April	6 .6	-								2.69	03 100000
May				and the		2.98	1				2630
June	1	1.09				01	3.36		2-58		2:398
July	1					3.15	1000			2.87	
August						2.88					3.569
September	1					3.95				3.13	3.854
October						2.88				2.84	2:073
November					- 1	3.85			6-70-	1	4561
December	Service Services	1000 1000 1000				4.18			2.63	6.33	3:435
		1									/ /
TOTALS	41.04	35.35	29.80	45.95	31.86	34.59	42.53	40-12	36.13	41.89	87.926

Hus

10 2746

RAINFALL at a.	infield Reservoir
County of Chachere	Observer G. H. Hill Eg C.C.
River Basin Upper Mensey 1	
Rain Gauge, by	

Diameter	12,										
Height	2.6										
Altitude	550										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	4-71	1.67	3.30	3.30	3.67	6.12,	3.68	3.44	2.73	4.25	
February	4.31	4.72	1.04	1.50	2.40	4.42	5.70	.77	6.07	1.95	
March	.73	2.57	4.80	4.57	5.46	1.76	3.03	1.98	1.40	6.95	
April											
May											
June	3.39	3.59	4.56	2.48	3.89	2.12	4.14	1.78	1.88	2.25	
July	100	Contract of				100000000000000000000000000000000000000	1	1-0-1-0-5	No. of the last of	man and the	
August	5.35	3.16	7.22	2.10	3.40	4.40	2.47	5-14	1.80	2.90	
September											
October											
November											
December											
TOTALS	45.66	379/4	43.76	33.04	11.85	10.42	44.01	36.41	40.08	41.53	

Date.	Lat. N.	Long-	Railway Station.	Distance.	Direction.	Church,	Distance.	Direction.

2746

RAINFALL at ampield Reservoir old gauge

	n n	Λ.
~ .	of Ches	1
County	Of Ches	nucl

Country of Cheshire Observer There F. H. Hill a Some Co. E. River Basin Upper Messey I mcRoster Cooper West. River Basin Upper Messey I mcRoster Cooper W. H. Breber.

\_\_Rain Gauge, by\_

Diameter	12											
Height	2.6	20										
Altitude	550					512						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January	6.00	6.73	3.25	4.18	3.27	3.40	3.80	470	9.75	2.10	5.76	To Si
February	4.95	.50	5.50	518	1.20	6.55	3.25	1.62	5.36	1.00	.70	3
March	2.91	3.19	2.07	1.97	1.23	2.09	1.98	5.20	1· y2	1.03	3.25	2
April	4.80	1.60	3.37	2.99	1.80	2.53	2.15	4-24	1.08	200	3.56	3
Мау	6.88	1.80	1.59	463	5.60	3.60	448	1.16	.92	292	2.04	3.
June	3.06	-33	2.78	1.52	2.80	-09	3.25	5.15	6.40	1.39	4.80	3
July	7:27	1.65	4.76	484	4.26	2.65	2.88	3.00	1.83	3,10	626	4
August	2.19	5.03	5.36	4.85	6.40	3.90	5.14	4.70	5.12	5.12	5.00	5
September	2.62	1.22	4.05	460	3.33	4.04	3.53	6.77	.91	177	4:15	3,
October	1-05	2.65	81	446	5.40	4.60	4.18	3.55	3.74	5.44	5.50	4
November	1.50	2.02	3.00	603	1.96	3.70	4'42	461	6.35	895	556	4
December											2.98	4
TOTALS	45:96	32-92	41.43		41.25	41.05	41.64	1.5.85	46 76	41.70	ц9.56.	4

1929 Reusen data sent 11/30 end 33B Fil. 660604/26

Position o	f Station on Map, 2 mile	reduced Or to 1 inch	Series Survey }	To. of Map	Reference No	o
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge

River Basin\_

2	747	
	20	
	20	

50.05

RAINFALL at	ampeed	Reservoi	is ( New gauge)
of Cheshoe	Observer	manche	te was
Basin - 1		logue	6. Holy Lawis C W.F.H Breber.

Diameter									5		
Height									1.0		
Altitude									512		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	193 MEAT
January										226	569
February										1.00	. 72
March										104	3.17
April										206	341
May									1-04	3.03	2.09
June									6.79	139	482
July									1.89	3.10	6.36
August									5.29	5.23	5.08
September									.94	1.80	4.32
October									3.91	5.43 644	5.58
							775		35	9.09	

Nen gange at 1/1. Les Die 660604/26

Les our 5.

102111011 0)	Map, 2 mile	s to 1 inch	dnance Survey } 1 Series	No. of Map	Reference No	)	
Date.	Lat. N. Long.		Railway Station.	Distance Direction from gauge	Parish Church.	Distance Directi	

TOTALS ...

Anna

#### Air Ministry, Meteorological Office.

### RAINFALL at Arnfield Reservoir, (etd g)

County of					Obser	ver M	anche		orpn. 1		
Type of Gaug					hted. Pe		verage				
iameter	5.										
leight	2.0.										
dtitude	512.										
Year	1931	1932	1933	1934	1935	1986	1987	1938	1939	1940	Means
anuary	4.03	4.50	2.38								

5.45 -28 5.10 2.85 3 40 March 4.70 4.30 1.98 April .... 2.11 4.30 1.75 May .... 6.32 2.82 June .... .... 4.78 3.66 July .... August .... ... 6.28 1.36 1.38 1.25 September .... 445 5.16 2.12 7.72 October ... November .... 5.61 190

1931 Cleaning from rew check g in same purition as old g which was abundaned Decross 1920. Against as a continuation retord.

.73

Position of	Station on re 1 mile	educed Ordr to 1 inch Se	ries Map,	No. of Map	Reference	No
Date,	Lat. N. Long. Railway Station. Distance Direction from gauge		Parish Church.	Distance Direction from gauge		

2.00

51-30 41.88 3151

December

4214

#### RAINFALL at Arnfield Reservoir ( new 9.)

County of Cheshive Observer Manches lex Corpn. W. W. River Basin Mersey - Upper 1 Twpe of Gauge... Ref. 1.W.S. Annual Average 39.1 in based on 9 years obs. un weighted. Period of average 1881-1915

66060x/26 Diameter Height Altitude Means Year 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 4.28 231 2.76 2.58 3.30 4.82 4.42 January 7.19 5.87 22 5.02 2-75 4.03 328 6.34 1.55 February 2.92 3.30 3.36 2.19 2.45 2.31 1.50 2 74303 March 5.02 4.39 2.05 2.31 3.26 1.39 3.58 April 2.25 4.33 1.93 2.76 2.45 1.29 May 76 -67 2.25 6.31 41 2.89 2.62 3.66 2.71 2.47 93 June 2.42 3.99 4.81 July 6.65 3.68 5.58 1.95 4.70 2.97 5.84 August 1.45 1.53 2.93 1.65 2.81 2.26 September ... 4.60 422 130 2.41 565 6.20 1.51 2.11 5.28 5.56 7.00 4.67 1.90 October 5.63 1.93 2.13 463 6.01 4.70 6.85 November 1.61 3.85 3.84 4.88 December 1.95 74 419 3.64 3.66 2.96 4195 3216 37.13 41.99 40.32 34.93 41.93 49.52 40.97

Position of Station on reduced Ordnance Survey Map, No. of Map. Reference No. 1 mile to 1 inch Series Distance Direction Date. Lat. N. Long. Railway Station, Parish Church. from gauge from gauge

Distance Direction

TOTALS

A.M. Form 1803. Air Ministry, Meteorological Office.												
County River B	NFA	LL a Ghe mer	t as	nfiele Upper	1 Res	actionis	(na	Station	No. TF. (+4)	1*	en. W.4	41
Annual Average	99:1.in.	based on	9year	s obs. <del>un</del>	t-weighted	. Period	l of avere		,		1.W.S.	
Diameter	5"			559	024							1
Height	100				i							
Altitude	512'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.3b	3.07	4-41	6.26	422	4.78	3.12	8.95	2.40	2.94		Totals.
February	4.10	1.52	3.19	2.83			1:11	2.69		5.21		34:27
March	4-15-1	2.08	1-44	.73	1.25	1.05	5.26	1.36	1.75	2.12		21.45
April	a. 46	1.87	2-28	2.82	235	1-84	2.99	1.59	4.25	4.03		26.48
May	2.27	2.92	2-51	5.43	3.16	1.40	2.91	1.44	2.78	1.73		26.55
June	a.34	1.13	3.68	3.18	443	4.09	2.40	4.98		3.51		30-77
July	2.80	100		3.69		1000	3.55	2.21	and the	3.47		33.38
August	5.91			3.68			.42	5.30		4.45		39.42
September	. 58		A REES	5.30	,		2.07	2.32	Sec. 152	5.76		3348
October		6.76			7		0.0		3.37	2.57		36.15
November	2.68	1.00	3.70	7.02	.49	5.95	6.55	2.55	7.10	7.17		43:21

A Association from in manifested by the Mersey Nick Board, to whom correspondence to direction others must be addressed.

December .... a. 56 3.57 2.07 3.51 2.67 438 4.53 3.00 6.84

The is a Survey type of verding gauge to property & R. Merry Fred C. R. A.

37.07 35.35 38.13 48.78 36,65 48.59 34.77 39.54 37.66 46.18

Date.	Lat. N.	Long.	Rallway Station,	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

TOTALS ...

A.M. Form 1903.