

RAINFALL AT Lake Vyrnwy, Bwrk, Gwynn Isaf nos

Lat. Lon. County of Montgomery

Rain Gauge, by Observer: J. Barry Esq. C.

Series - 5.

Diameter.....											
Height.....											
Altitude.....										771	
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....											
February.....											
March.....											
April.....											
May.....											
June.....											
July.....											
August.....											
September.....											
October.....											
November.....											
December.....											
TOTALS										55.58	

Recd. 1904 Feb. 30 - x1 - 08

425002 4258

RAINFALL AT BANK CYNON ISAF, Lake Vyrnwy Nos

Lat.

Lon.

County of MONTGOMERY8" Rain Gauge, by Swan patternObserver WATER ENGINEER, LIVERPOOLSwan - 5.

Diameter	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	
Height	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	
Altitude	4	4	4	4	4	4	4	4	4	4	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	2.78	0.68	6.91	11.91	11.23	5.23	6.94	3.65	2.00	2.41	5.374 4.448
February	5.10	10.19	4.03	4.41	6.24	8.07	1.28	3.39	1.13	2.62	4.646 3.54
March	5.01	5.61	5.39	1.79	3.99	1.84	8.10	2.42	3.77	2.98	4.093 3.41
April	3.17	1.73	4.93	0.96	1.40	2.22	3.90	2.01	2.13	7.26	3.001 4.30
May	2.50	5.23	2.83	2.59	3.98	4.51	5.78	2.76	2.39	4.48	3.702 3.08
June	4.08	3.48	5.68	4.96	1.33	2.92	2.47	1.12	3.21	0.54	2.979 2.48
July	7.14	2.67	6.92	3.04	4.68	2.24	4.70	3.44	8.10	3.44	4.637 3.86
August	2.64	8.38	4.86	3.63	2.33	6.61	2.59	3.39	5.10	5.39	4.492 3.48
September	4.35	2.65	4.35	9.13	4.15	8.40	4.97	4.72	0.80	2.13	4.565 3.80
October	6.21	5.41	6.23	6.69	3.68	8.38	7.22	3.77	3.40	6.76	5.835 4.86
November	8.23	9.15	12.05	7.42	4.40	6.38	5.03	4.19	10.67	2.67	7.019 5.88
December	6.94	6.96	8.20	5.16	9.68	2.32	9.50	5.84	5.44	3.39	6.343 5.30
TOTALS	58.18	62.44	72.38	61.69	57.39	59.18	62.45	40.70	48.44	44.07	56.686 47.34

No. 5

No. 58

No. 50

The position of the above gauge was changed in the year 1883
and again in 1889.

Annual totals recd. 1904 (wt) 30 XI. 08

Monthly " " XI 1920 " XI. 20

MET. O.S. RAINMASTER
RETROSPECTIVE

NO. 55(33) 018131

A.C.N.

It is 229

metals Date of review:

11/7/79

425002

RAINFALL AT Lake Ymnury, Bank Byron Isaf 5a (83-86) 5b (87-88)

Lat.

Lon.

County of Montgomery

Rain Gauge, by

Observer J. Barry Esq CR

Seven - 5.

Diameter											
Height											
Altitude				760				760			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September....											
October.....											
November....											
December....											
TOTALS . . .				61.76	56.68	59.69	62.16	40.70	48.44		

Dec 2, 1904 Ent. 30-X-08

MET. O. S. RAINMASTER
RETROSPECTIVE

NGR:

ALT:

IC = metres. Date of review

26
Lake Vyrnwy

425002 4258

RAINFALL AT BANK CYNON ISAF no 50

Lat. _____ Lon. _____ County of **MONTGOMERY**

8" Rain Gauge, by own pattern Observer WATER ENGINEER, LIVERPOOL

Severn - 5.

Diameter	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	
Height	1'0"	1'0"	1'0"	1'0"	1'0"	1'0"	1'0"	1'0"	1'0"	1'0"	
Altitude	756.00	756.00	756.00	756.00	756.00	756.00	756.00	756.00	756.00	756.00	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	11.71	5.57	3.86	2.89	8.02	(4.76)	2.10	2.25	5.70	12.54	59.40
February	0.65	5.55	2.39	2.56	10.34	9.99	8.6	5.42	5.05	4.53	33.34
March	2.45	2.59	1.79	2.23	6.68	(4.58)	7.80	8.73	2.48	3.29	4.29
April	1.73	4.41	1.27	0.77	2.26	(2.66)	1.81	5.59	3.84	6.01	36.35
May	3.76	4.23	3.92	2.49	3.60	(1.8)	0.20	1.80	5.68	3.91	36.40
June	3.06	4.01	2.57	2.69	3.13	(1.28)	2.54	3.93	3.34	2.48	29.03
July	2.96	3.27	3.45	3.60	2.60	(5.68)	2.44	1.54	1.04	3.13	29.71
August	5.64	9.04	5.05	4.13	4.02	(5.62)	2.57	5.23	8.05	1.86	51.21
September....	1.95	5.43	4.71	3.73	0.88	(3.16)	9.64	5.15	2.02	4.72	41.39
October.....	3.55	8.16	5.78	4.88	6.92	(5.07)	5.85	1.74	7.51	5.53	56.99
November....	8.39	4.59	3.89	3.43	7.05	(4.34)	1.50	5.16	5.34	4.60	51.22
December....	1.29	13.10	3.19	7.57	7.09	(5.48)	6.97	9.41	9.15	4.10	67.25
TOTALS ...	47.44	64.95	41.87	40.97	62.59	47.46	44.28	55.95	59.20	56.70	521.41

Annual totals received 1904
 Monthly totals received 81.20.
 Notes computed from
 Lake Vyrnwy (Severn basin)

MET. O.B. RAINMASTER
RETROSPECTIVE SITE REVIEW

HYD. STN. 425002

UNGR: 53(33) 018191
 ALT: ft = 229 metres Date of review: 11/7/79

RAINFALL AT

62
Bank
425002
4258
Lake Wynona, Gwynedd

Lat.

Lon.

County of *Montgomery*

Rain Gauge, by

Observer, *J. P. P. C. C.*

Seven, L. bank - 5.

Diameter ..					3			8			
Height								1.0			
Altitude ..				750 K							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.38	5.52	5.70	8.63	6.58	2.70	9.80	3.61	4.56	4.83	5931
February ..	6.23	1.37	1.82	7.59	7.31	3.17	6.12	4.33	4.57	1.97	4448
March	1.54	6.79	3.01	10.72	2.44	7.30	5.99	3.39	5.83	4.28	5129
April	2.74	4.45	1.72	1.87	4.49	3.27	1.43	2.96	4.09	4.63	3165
May	2.80	.89	4.11	3.83	2.92	1.70	4.02	3.58	3.75	2.04	2965
June	3.63	2.54	3.97	1.50	2.22	5.23	2.13	7.31	4.09	3.64	3637
July	2.24	3.90	2.31	4.43	2.70	2.21	1.10	3.52	4.97	3.78	3116
August	7.65	4.03	4.85	8.56	5.81	6.71	6.49	5.39	3.47	2.58	5554
September ..	1.79	2.23	2.26	7.91	2.18	2.92	1.17	1.04	5.05	3.53	3008
October	8.54	4.24	5.60	15.77	2.85	3.78	7.90	7.83	2.65	8.90	6806
November ..	5.79	5.42	4.00	4.36	3.29	5.63	4.97	4.51	4.27	2.76	4500
December ..	9.44	8.50	7.61	5.67	5.34	2.02	5.11	8.01	5.07	8.92	6569
TOTALS ..	59.77	49.88	46.96	80.84	48.25	46.64	56.23	55.48	52.37	51.86	54828

1900-1902. Recd. XII. 08. Entered IX. 09.

1909 Pennybontfair Station 7 1/2 miles N.E.

MET. O. S. RAINMASTER
RETROSPECTIVE SITE REVIEW

IND. SIN. NUMBER 425002

NGR: 53(33) 018131

ALT:

" = 229

metres. Date of review: 11/7/79

RAINFALL at *Lake Vyrnwy Bank Cymru Isaf*

County of: *Montgomery*

Observer: *J. Parry Esq. C.E.*

River Basin: *Severn-Lephauc Tributaries 5*

J.R. Dando Esq. C.E.

Rain Gauge, by

Diameter ...	8											
Height	10											
Altitude ...	750 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	7.82	2.77	5.58	7.85	7.72	7.82	7.74	2.74	5.21	6.48		2168
February ...	6.92	6.84	4.39	3.69	6.70	8.30	6.94	1.14	9.12	3.04		2024
March	1.94	2.73	8.35	9.17	7.32	1.48	3.11	3.82	2.07	7.37		1637
April	4.09	3.24	.74	7.15	2.66	2.40	4.14	2.03	2.19	3.35		1169
May	2.87	2.05	2.18	3.29	3.51	3.07	4.59	3.08	4.04	1.33		1304
June	4.00	3.87	5.24	4.49	2.42	.83	3.11	2.74	2.00	2.12		997
July	4.13	.83	5.55	.62	5.60	4.40	2.38	2.75	5.78	1.15		1206
August	6.71	4.44	6.66	2.62	4.49	3.99	2.93	8.92	2.57	3.63		1605
September58	4.64	1.36	2.97	2.69	1.52	3.45	3.29	13.27	3.24		2385
October ...	5.16	5.83	6.84	5.11	2.46	3.48	12.63	8.42	5.45	3.04		2920
November ...	7.26	8.38	5.44	7.86	8.13	3.91	5.37	4.53	3.75	4.18		1720
December ...	9.91	8.22	10.49	4.40	12.60	12.90	4.09	2.31	11.15	10.58		2883
TOTALS ...	61.34	53.84	62.82	59.22	66.30	54.10	60.48	45.27	66.60	50.11	58.00	✓

MET 0.8 RAIN GAUGE
RETROSPECTIVE SITE REVIEW

RYL 030
425002

NGR: *ST(33) 018191*

ALT: *ft 229* metres. Date of review: *11/7/19*

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

RAINFALL at *Lake Wynnewydd Bank Cymon Duff*County of *Monmouth*Observer *Col J. R. Davidson, D.S., L.E.*River Basin *Lenem - 5*Rain Gauge, by
substituted.

Diameter ...	8"											
Height	1.0											
Altitude ...	750											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	9.48	9.59	7.24	4.74	5.45	8.21	8.65	6.69	15.32	2.33	8.96	86.66
February ...	6.72	2.4	8.37	11.88	8.1	9.08	5.62	3.72	10.21	1.25	9.4	58.84
March	5.65	5.70	4.83	2.86	2.42	2.07	2.34	5.36	3.86	1.09	4.17	40.35
April	7.75	2.10	3.38	4.40	4.42	3.22	2.57	2.96	2.47	1.50	4.40	39.17
May	5.60	2.88	1.84	5.75	7.40	5.27	4.04	2.18	1.40	2.73	2.70	41.79
June	3.53	3.1	2.52	1.58	2.68	0.03	2.31	7.09	5.92	3.00	2.64	32.63
July	8.26	3.03	6.40	3.97	6.79	1.53	6.24	4.52	2.70	3.97	4.48	51.89
August	2.65	5.89	3.76	7.32	6.17	4.35	5.55	8.76	6.84	5.60	5.15	62.04
September...	2.44	1.91	4.09	5.17	6.46	4.33	3.39	6.60	2.02	2.43	6.35	45.19
October.....	4.31	4.18	1.95	10.77	7.85	7.14	6.97	8.34	9.20	7.65	8.39	76.75
November...	4.82	4.36	3.04	5.96	4.30	3.15	9.30	8.05	13.30	13.68	9.29	79.25
December...	7.28	9.75	8.20	5.15	8.25	7.65	1.17	2.51	5.37	15.94	9.22	80.49
TOTALS...	68.51	49.94	55.62	69.55	64.00	56.03	58.15	66.78	78.61	61.17	66.69	
	0	0	0	0	0	0	0	0	0	0	0	

Inspected 28. 2. 15. 21. Excellent position down 100 yds N (only small angle) /
 then 50 yds W, + 2030 yds E say 60 feet high (silver spruce) about angle of 35°.
 Hill in distance all round.

Recording rain gauge. — see sketch

MET. OFF. RAINFALL GAUGE
 RETROSPECTIVE

425002

NGR: 55(33) 018.91

ALT: ft = 229 metres. Date of review: 29/6/1979

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

Reference No.

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

RAINFALL at lake Ynnyrry (Bank Cynon Isaf) new gaugeCounty of Montgomery Observer Lt. Col. F. Hildrick, C.E.River Basin E. Severn - left Bank

Type of Gauge

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

660603/26

Diameter						5						
Height						1	0					
Altitude						750						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January							(8.00)	11.50	11.05	2.80		
February							9.60	2.75	6.40	5.00		
March							2.80	1.38	3.10	4.75		
April							3.70	.20	2.90	4.25		
May						# 1.35	2.70	3.70	.90	2.75		
June						5.80	3.50	5.90	3.30	2.0		
July						7.55	2.25	4.60	9.75	3.50		
August						2.18	1.90	4.15	2.75	.60		
September						5.80	1.85	1.80	1.10	4.50		
October						5.10	3.84	13.15	3.00	7.75		
November						7.05	2.04	9.30	12.00	14.00		
December						8.20	4.30	5.85	11.55	5.00		
TOTALS						unw	(47.48)	64.25	61.10	55.78		
						npv	npv	npv	np	np		

1937 npv check. Jan. adjusted by nearby obs.

1938 npv check.

1939 npv "

1940 npv check.

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

RAINFALL at Lake Wynny, [Bank byon laff]County of MontgomeryObserver Col. J.R. Davidson, B.E.River Basin S. Gwern - Left BankRt. Col. F. Hibbet C.E.Type of Gauge + AAnnual Average 55.3 in. based on 35 years obs. un-weighted. Period of average 1891-1925 Ref. B. 2. N.

A 200204/40 660603/26

Diameter	8											
Height	1.0											
Altitude	750											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Total
January	6.45	9.32	5.10	7.17	1.95	8.11	8.05	11.45	10.72	2.67	6999	
February	6.77	10	6.94	32	10.03	2.43	9.44	2.90	6.32	4.80	5016	
March	1.00	3.49	3.55	5.01	1.84	4.33	2.75	1.47	3.45	4.37	3126	
April	5.00	6.68	1.50	3.55	5.34	2.51	3.73	2.8	3.00	4.30	3589	
May	5.89	3.73	1.22	3.47	1.11	1.40	2.69	3.78	0.94	2.59	2682	
June	4.57	1.59	3.06	2.57	5.08	5.08	3.45	5.77	3.26	8.1	5584	
July	3.55	6.66	3.20	1.11	1.73	7.69	3.27	4.46	9.28	3.32	4427	
August	5.54	1.56	1.56	4.82	1.37	2.25	1.92	4.07	2.71	7.2	2652	
September	2.08	6.09	1.10	4.76	9.74	5.64	1.87	1.75	1.14	4.48	3965	
October	1.68	8.53	5.88	6.35	10.49	5.02	3.58	12.67	3.31	7.65	6516	
November	4.94	4.58	1.47	2.33	6.57	6.76	2.06	9.05	11.74	13.65	6814	
December	3.58	3.04	1.50	9.77	4.04	8.54	4.25	5.76	4.89	4.72	5003	
TOTALS	56.05	55.37	36.08	51.23	59.29	60.41	47.05	63.41	60.76	54.14	54873	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

1935. New g. to be set up alongside pres. g.

65 93 107

W.P.

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

No. of Map.....

Reference No. 57(23) 018191

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

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

RAINFALL at Lake Lynny, Bank LynndraftStation No. 4258

41

County of MontgomeryObserver Lt Col. F. Hildert, CE.River Basin S - Llynny - left BankType of Gauge reb. (+ 5) 2 in. T. S.Annual Average 55.3 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. B. 7 NFile No. A 20204/40

Diameter	8				425	002						
Height	10					1						
Altitude	750					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Total
January	3.70	7.00	9.28	8.46	6.29	9.02	5.01	16.82	3.42	2.92	71.92	
February	5.77	1.76	4.43	3.13	9.12	10.23	2.36	6.47	3.63	12.10	59.00	
March	3.78	3.55	1.89	0.89	3.23	2.67	10.38	3.83	2.25	2.98	35.45	
April	1.89	4.01	2.46	2.35	4.04	1.30	6.03	3.45	6.37	5.86	37.76	
May	3.23	5.75	5.72	2.97	4.63	2.38	3.49	2.72	4.58	1.53	36.80	
June	1.14	0.64	5.83	3.81	6.16	5.60	3.00	6.35	1.01	2.07	35.61	
July	2.47	4.56	3.55	4.14	2.28	1.99	3.34	2.74	1.99	5.50	32.56	
August	7.00	6.09	5.70	3.16	4.30	7.30	0.57	7.22	3.05	8.01	52.40	
September	1.89	4.30	6.22	6.03	4.10	6.79	2.44	4.25	1.78	11.30	49.10	
October	7.54	5.00	5.86	9.28	8.31	2.44	1.42	2.87	9.35	4.83	56.90	
November	3.45	0.78	3.91	10.27	0.39	9.46	8.89	4.30	7.80	6.72	55.97	
December	5.05	6.12	3.18	6.45	6.26	6.03	6.01	7.17	10.13	4.72	61.12	
TOTALS	46.91	49.56	58.03	60.94	59.11	65.21	52.94	63.19	55.16	68.54	584.59	
	2	2	2	2	2	2	2	2	2	2	2	

On Aug. 26th 1946 the climatological station was moved to a new site about 5 miles S.W. of Bank Lynndraft. The gauge at Bank Lynndraft has not been moved and as no one has been charged at the Experimental station. The Davis recording gauge was removed to Experimental station after August 1948 n.p. check.

1949 n.p. check

Now but we hope to get averages by relating this station to the new station at Banklyn the 4257/9 when a few years of overlap are available.

see 4257/4.

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.

Station No. T.F. 42581

RAINFALL at Lake Kyminny (Bank Cynon 25ft) n.g.

41

County of North GlamorganObserver W. Col. F. H. B. F. C. E.River Basin 5 - Severn - left Bank

Type of Gauge

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

File No. A 20020440

Diameter	5										
Height	1 0										
Altitude	750										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.50	6.70	9.30	8.80	7.04						
February	6.50	1.70	4.45	3.00	10.92						
March	3.50	3.50	1.85	1.82	3.88						
April	1.90	3.80	2.35	2.30	4.53						
May	3.10	5.73	5.73	2.85	5.40						
June	1.02	.60	6.10	3.75	6.96						
July	2.45	4.58	3.88	4.30	2.45						
August	7.20	5.98	5.80	3.15	4.79						
September	1.70	4.29	6.40	6.00	4.33						
October	7.40	5.02	6.00	"	9.19						
November	3.54	.80	3.90	"	4.7						
December	5.05	6.25	3.10	"	7.05						
TOTALS	46.86 np.	48.95 np.	58.86 np.	imp n.p.	66.96 J	N.R.	N.R.				

1941 np check.

1942 np check

1945 - Record of Station 425719 entered in error.

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.

Air Ministry, Meteorological Office

Station No. 4258

RAINFALL at Lake Vyrnwy (Bank Cynon Twd)
 County of Montgomery Observer Liverpool Corporation
 River Basin 5-Severn-Left Bank Water Works
 Type of Gauge M.O.

Annual Average 56.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915. Ref. Ref. N.

File No. A200204/40 E23251/58

Diameter ...	5"				4.25	0.02					
Height ...	1' 0"					1					
Altitude ...	750'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	6.42	8.76	1.92	5.32	4.56	8.44	8.28	6.47	7.15	9.04	66.41
February ...	7.44	1.49	3.61	5.38	3.20	0.77	5.18	8.38	0.67	6.53	42.65
March ...	6.66	3.10	4.80	5.38	3.38	3.04	6.13	1.66	3.53	3.06	40.63
April ...	5.38	3.03	4.82	1.78	2.84	1.77	0.41	2.07	4.86	4.46	31.48
May ...	3.66	3.51	3.13	4.54	7.68	1.33	3.02	6.01	1.99	2.06	36.93
June ...	1.87	2.63	2.04	5.21	5.58	3.76	1.60	4.48	3.66	2.57	33.40
July ...	2.51	2.67	7.36	6.17	1.21	7.39	7.66	5.02	6.87	6.23	53.09
August ...	6.72	5.19	4.93	4.59	2.05	7.80	7.91	3.51	1.63	6.57	50.90
September ...	5.57	3.82	6.87	7.81	2.14	5.09	8.92	9.81	0.37	5.37	55.79
October ...	1.82	10.12	2.64	12.32	3.54	3.77	6.24	3.95	8.14	7.02	59.56
November ...	10.20	4.20	7.54	11.18	3.49	2.68	2.84	2.56	5.88	13.11	68.68
December ...	11.00	5.71	1.83	7.13	7.76	6.51	4.94	5.45	13.24	9.21	72.98
TOTALS ...	69.14 D _{mp}	54.29 D	51.49 D _{mp}	76.81 D	47.63 D	52.40 D	63.13 D	59.37 D	58.01 D	75.23 D	607.50

1961. n.p. ched.

1953 n.p. ched.

1952 Sup Mr O'Kane (3/59) slightly O/S NE - ENE by Treca. Flowe might help.

Position of Station on Ordnance One-Inch map: No. of Map _____ National Grid Reference SI(33)018191

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

Summary of Earlier Records from 10-year Sheets:

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	<u>✓</u> 1912 + 17 blank near D.	<u>✓</u>	<u>✓</u>	<u>✓</u> 1948-50 n.p. Doubt 49-50 n.p.	