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Dublin Institute for Advanced Studies
Series D, Geophysical Bulletin No. 30

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Extremes of Temperature, Rainfall, Sunshine and Wind Speed

by

T. J. Morley and K. Bolster

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INTRODUCTION

Meteorological observations have been made at the School of Cosmic Physics, Dublin Institute for Advanced Studies since 1948. The readings of temperature and rainfall are made at Leinster Lawn which lies about 250 yards to the southwest of the observatory at 5 Merrion Square where the sunshine and wind are recorded. Geophysical Bulletin No. 24 of the Series of Communications which was published in 1969 has summarised 17 years of the wind data contained in Table V of this paper. Bulletins No. 12 and No. 23 of the Series consisted of 50 years of rainfall and 60 years of temperature data related to the nearby station at Trinity College. The site of the station at Leinster Lawn however has a better exposure.

Notes on the Tables

Maximum temperatures are read one day later than the dates given in Table I e.g. the entry 58° F for 1st January 1948 is the reading made on the morning of 2nd January. Similarly the rainfall amounts shown in Table III are entered to the day preceding that on which the measurement is made. The sunshine recorder is situated on the superstructure of the observatory tower at a height of 75 ft above ground and has an unobstructed horizon. Measurements of wind speed and direction are obtained from a Dines Pressure Tube Anemometer with 1-inch connecting pipes. The height of the anemometer vane is 91 ft above ground and 23 ft above the nearest obstruction. Absolute Extremes and dates of occurrence are printed in bold type.

May 1973

School of Cosmic Physics,
5, Merrion Square,
Dublin, 2.

Table I—Temperature at Dublin (Leinster Lawn): Highest Maximum (°F) and Date of Occurrence

Year	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Year	
	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date	Max	Date
1948	58	1	58	8	71	24	66	26	69	18	71	25	**82**	**29**	72	29	71	7	68	2	62	2	**63**	**2**	**82**	**July 29**
1949	57	6	58	17	59	16	67	13	**75**	**13**	**81**	**26**	78	3	77	13	74	5	**71**	**3**	59	15	56	27	81	June 26
1950	**59**	**8**	60	17	62	25	63	29	71	31	76	6	72	8	70	3	71	4	66	18	55	1	52	9	76	June 6
1951	58	16	56	1	60	22	62	24	67	12	72	30	75	16	73	3	69	4	70	16	58	16	59	15	75	July 16
1952	54	6	52	17	59	8	64	18	74	17	77	29	76	21	73	12	69	3	60	27	59	2	57	8	77	June 29
1953	55	29	**61**	**26**	65	25	64	23	70	5	75	25	72	4	76	3	**76**	**6**	69	1	60	14	61	2	76	Aug. 3 Sept. 6
1954	58	20	58	21	59	20	62	15	65	25	72	17	71	20	77	31	68	1	68	18	61	11	61	2	77	Aug. 31
1955	56	21	56	7	55	16	67	20	68	31	70	22	78	13	**78**	**24**	73	1	67	11	58	7	58	6	78	July 13 Aug. 24
1956	55	27	55	29	57	6	63	30	71	30	76	11	76	24	71	16	71	13	63	22	58	8	58	6	76	June 11 July 24
1957	**59**	**5**	54	4	65	12	61	4	68	30	75	21	74	22	71	4	69	6	63	8	59	21	57	19	75	June 21
1958	57	27	58	14	61	30	64	30	72	2	71	13	79	5	71	4	70	14	65	14	60	2	56	27	79	July 5
1959	54	18	57	24 26	61	31	60	12 15	70	12	73	12	80	25	**78**	**23**	72	11	**71**	**3**	60	23	57	29	80	July 25
1960	58	22	59	28	57	3	61	21	72	26	79	17	72	3	72	23	74	10	62	3	60	30	54	2	79	June 17
1961	56	26	**61**	**12**	63	5	63	11	71	13	76	30	72	30	75	28	71	1	64	9	61	1	58	10	76	June 30
1962	55	31	54	4	58	29	64	25	69	6	75	8	72	29	69	19	68	2	64	6	56	23	56	7 15	75	June 8
1963	41	27 29	48	27	58	15	67	26	66	16	75	11	77	30	71	1	71	15	64	11	57	11	54	27	77	July 30
1964	55	4	56	27	55	23	62	26	70	16	73	26	73	24	74	3	71	10	63	18	60	13 17	57	7	74	Aug. 3
1965	55	13	52	12	**72**	**28**	61	2	72	13	71	14	69	1	72	18	71	15	62	26	57	8	58	17	72	May 13
1966	56	29	57	5	57	19	66	29	71	31	75	3	74	21	74	16	72	5	62	7	55	13	57	15	75	June 3
1967	56	27	56	2	62	21	**68**	**28**	65	31	75	28	74	10	72	25	66	1	66	6	57	11	58	22	75	June 28
1968	58	30	48	29	61	28	63	23	71	30	73	30	73	20	75	22	70	10	69	3	60	25	55	3 21	75	Aug. 22
1969	56	21 24	49	11	54	29	65	8	67	10	73	26	78	21	77	8	71	23	69	8	**64**	**2**	57	21	78	July 21
1970	55	21	55	1	58	20	63	17	70	31	77	10	75	12	74	12	70	6	65	31	60	1	59	19	77	June 10
1971	**59**	**10**	53	19	57	24	61	21	68	10	70	25	76	8	72	2	72	6 30	70	22	63	3	59	20	76	July 8
1972	54	23	51	28	58	24	65	1	65	24	65	16	73	17	72	23	71	2	65	9	62	6	59	14	73	July 17

Table II—Temperature at Dublin (Leinster Lawn): Lowest Minimum (°F) and Date of Occurrence

Year	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Year	
	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date	Min	Date
1948	28	23	29	21	31	6	33	5	**34**	**24**	43	1	47	5	46	19	39	21	**33**	**26**	33	22	33	23	28	Jan. 23
1949	30	3	35	4	29	11	33	9	38	6	43	1	49	7	46	17	46	18	35	27	34	18	28	11	28	Dec. 11
1950	24	22	30	5	33	1	33	14	38	19	44	21	49	1	49	29	43	23	36	28	29	26	25	15	24	Jan. 22
1951	28	3	29	3	28	11	34	2	38	8	46	1	46	14	46	13	47	17	35	23	33	13	30	11	28	Jan. 3 Mar. 11
1952	26	27	28	12	33	26	31	1	42	7	43	3	47	3	50	19	**38**	**18**	37	4	30	24	27	15	26	Jan. 27
1953	30	2	30	5	28	6	34	3	37	1	43	3	50	10	49	26	43	28	36	29	38	28	33	20	28	Mar. 6
1954	29	7	28	6	28	2	34	6	39	1	46	12	**44**	**5**	47	16	46	28	34	26	32	24	33	10	28	Feb. 6
1955	25	19	26	18	31	14	32	1	36	18	43	10	48	2	54	7	46	14	**33**	**31**	35	30	34	30	25	Jan. 19
1956	26	9	**23**	**2**	34	14	35	19	38	19	42	14	49	30	46	7	43	1	38	30	33	24	31	27	23	Feb. 2
1957	33	25	26	20	39	24	35	12	36	6	**40**	**10**	50	10	45	28	41	30	39	1	32	7	30	16	26	Feb. 20
1958	23	22	31	6	26	10	32	4	39	13	46	23	47	24	48	23	45	26	42	28	35	25	28	14	23	Jan. 22
1959	26	16	31	2	35	13	36	29	37	4	47	1	50	10	48	16	43	27	37	29	33	12	34	2	26	Jan. 16
1960	33	20	27	14	35	9	37	16	43	1	47	30	51	16	47	10	43	20	38	13	33	7	28	15	27	Feb. 14
1961	29	15	34	3	35	27	38	16	40	28	43	1	47	5	46	12	45	24	38	20	35	11	**20**	**31**	**20**	**Dec. 31**
1962	**22**	**2**	30	27	**24**	**4**	36	1	39	25	**40**	**1**	45	5	47	6	41	18	38	27	30	19	24	29	22	Jan. 2
1963	23	23	26	3	32	23	32	12	38	2	47	23	48	20	46	15	42	25	41	22	29	30	26	20	23	Jan. 23
1964	32	14	27	6	34	4	33	5	44	14	43	20	46	4	**43**	**21**	42	21	34	10	**28**	**10**	29	26	27	Feb. 6
1965	27	5	27	3	25	2	36	21	39	19	43	2	45	4	48	27	43	28	39	12	29	22	27	28	25	Mar. 2
1966	31	15	34	15	30	25	31	3	41	7	51	28	47	27	47	23	45	16	37	23	33	20	32	25	30	Mar. 25
1967	31	9	34	23	33	30	35	1	**34**	**3**	45	23	51	3	45	5	46	21	37	18	31	18	26	9	26	Dec. 9
1968	32	10	29	6	34	8	**30**	**2**	38	7 18	45	9	49	13	47	18	48	16 17	43	7	32	4	29	29	29	Feb. 6
1969	24	6	24	17	30	7	35	2	40	19	44	5	48	7 8	49	24	41	29	41	1	31	29	29	12	24	Feb. 17
1970	25	7	29	14	30	3	**30**	**1**	47	9	50	29	47	21	48	17	45	16	39	9	33	15	29	31	25	Jan. 7
1971	28	31	29	2	34	16	37	17 25	39	1	43	15	47	17	48	16	46	28	40	14	31	20	33	7	28	Jan. 31
1972	23	31	27	1	34	4	39	9 21	41	16	43	8	48	9	47	11	41	10	37	21	30	17	29	24	23	Jan. 31

Table III—Rainfall in Dublin (Leinster Lawn) : Greatest fall in a day and Date of Occurrence

Year	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Year	
	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date	mm	Date
1948	35·1	3	7·2	1	17·7	29	19·7	21	13·7	30	13·3	1	18·1	17	32·1	6	14·6	1	5·8	13	4·8	11	15·4	26	35·1	Jan. 3
1949	21·7	3	5·0	8	14·5	4	18·5	5	5·7	24	3·7	7	9·6	15	17·8	7	7·6	22	**40·3**	**25**	9·5	8	11·0	12	40·3	Oct. 25
1950	6·8	29	24·3	9	11·0	18	11·1	28	13·2	17	6·5	18	22·0	13	22·9	25	19·7	6	24·6	21	9·8	18	24·8	13	24·8	Dec. 13
1951	14·8	9	19·4	2	19·3	7	5·9	8	13·1	4	5·6	21	12·6	10	20·0	23	9·4	3	5·2	27	39·3	4	11·7	31	39·3	Nov. 4
1952	12·7	22	11·5	10	8·4	15	20·6	21	13·2	2	4·4	7	8·3	7	28·0	7	25·7	28	17·5	13	16·1	20	12·3	6	28·0	Aug. 7
1953	4·9	30	17·3	9	5·0	31	15·3	5	9·6	18	6·3	14	10·1	13	15·3	28	7·4	19	12·8	26	18·3	13	11·5	3	18·3	Nov. 13
1954	6·6	25	6·1	9	12·1	22	3·4	30	29·1	1	17·1	6	4·9	7	11·5	7	10·3	9	25·8	31	19·7	29	27·6	7	29·1	May 1
1955	18·2	15	21·1	1	9·4	23	9·1	30	9·2	20	33·4	3	8·1	2	13·4	21	8·4	1	4·6	26	15·0	3	19·7	13	33·4	June 3
1956	28·9	13	5·4	21	11·0	21	**30·6**	**10**	5·4	24	17·9	15	12·7	16	22·4	18	27·2	5	5·6	16	14·8	21	32·9	25	32·9	Dec. 25
1957	8·8	23	11·8	14	12·6	31	4·3	15	19·4	17	9·0	7	15·9	9	16·1	12	**49·0**	**24**	15·5	29	25·5	4	22·1	10	49·0	Sept. 24
1958	5·1	1	16·3	10	16·0	28	7·7	4	**30·8**	**23**	43·1	25	**35·6**	**27**	42·8	18	19·0	29	14·2	2	12·6	28	30·3	18	43·1	June 25
1959	11·4	6	5·9	27	9·0	23	6·2	25	29·4	20	15·6	27	10·4	28	8·4	20	9·3	20	30·4	17	20·2	19	23·8	6	30·4	Oct. 17
1960	22·4	20	17·1	24	10·4	30	17·8	1	20·1	12	15·2	13	16·5	15	13·2	31	21·2	27	28·8	1	17·3	1, 23	22·1	5	28·8	Oct. 1
1961	20·1	20	8·5	5	3·0	30	19·0	25	7·7	1	9·7	5	16·4	13	15·2	7	34·9	27	17·9	22	13·7	21	8·9	29	34·9	Sept. 27
1962	10·2	8, 15	6·9	12	9·6	8	6·1	8	27·8	18	6·9	15	23·8	20	10·5	14	26·3	29	8·1	29	11·8	4	18·2	7	27·8	May 18
1963	9·9	3	32·5	5	20·9	15	8·2	13, 19	7·6	21	48·7	11	4·4	5	**48·5**	**16**	13·1	25	11·6	30	19·6	4	9·9	11	48·7	June 11
1964	3·0	29	4·4	17	18·8	16	8·7	16	7·2	19	9·4	10	8·1	18	16·9	17	14·2	15	23·7	9	5·7	16, 17	19·7	26	23·7	Oct. 9
1965	**37·0**	**19**	2·5	28	11·0	3	11·7	9	14·1	20	18·9	4	16·4	18	16·7	3	30·9	24	12·0	1	**58·9**	**16**	14·2	12	**58·9**	**Nov. 16**
1966	32·9	10	23·2	15	8·1	31	23·3	15	4·4	11	**53·7**	**9**	8·1	29	18·2	12	18·7	30	32·1	17	7·4	30	28·2	9	53·7	June 9
1967	8·2	24	**37·5**	**22**	9·6	9	8·0	1	23·3	12	5·2	7	16·9	13	13·1	11	17·7	11	27·3	16	17·8	1	10·9	18	37·5	Feb. 22
1968	24·2	8	10·7	8	13·8	23	14·0	29	8·2	4	14·9	22	5·0	1	19·4	18	20·6	19	8·0	31	27·0	1	**39·3**	**24**	39·3	Dec. 24
1969	16·3	17	11·5	22	20·5	17	16·8	21	19·0	25	12·7	22	24·8	25	14·6	12	30·4	9	3·3	13	22·6	3	8·4	2	30·4	Sept. 9
1970	10·6	13	7·3	20	7·9	21	20·0	24	8·3	6	5·4	27	8·9	26	26·9	15	7·7	2	16·9	30	27·1	6	11·2	27	27·1	Nov. 6
1971	20·2	20	6·0	12	**37·0**	**18**	14·4	23	12·1	22	26·0	11	17·3	23	9·5	14	10·5	26	15·3	18	13·0	17	13·2	26	37·0	Mar. 18
1972	17·9	15	16·3	2	11·5	3	6·4	10	14·1	11	18·8	26	12·9	3	11·8	7	1·5	8	21·0	26	31·8	12	25·2	27	31·8	Nov. 12

Table IV—Bright Sunshine at Dublin (Merrion Square): Most in a Day and Date of Occurrence

Year	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Year	
	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date	hrs	Date
1948	5·5	22	5·7	18	9·3	25	12·5	25	14·3	19	11·3	5	13·8	27	11·6	12	8·3	28	7·8	18	5·9	5	5·8	4	14·3	May 19
1949	6·0	24	7·1	4	8·2	19	10·8	17	13·6	13	14·9	9	14·1	11	13·6	13	10·7	1	7·6	26	6·2	7	6·0	24	14·9	June 9
1950	5·0	31	8·5	26	9·2	25	12·0	14	13·4	11	15·3	11	10·4	25	12·1	27	10·3	7	6·9	1	6·5	9	4·7	5	15·3	June 11
1951	7·4	28	6·5	9	9·4	27	11·8	22	14·2	11	14·2	1	14·0	29	11·4	17	8·9	1	8·3	22	6·2	15	5·2	16	14·2	May 11, June 1
1952	6·2	28	7·0	15	10·0	26	12·5	27	13·9	23	14·0	9	12·7	3	11·9	16	11·3	7	9·4	5	6·4	23	4·4	9	14·0	June 9
1953	6·4	31	**9·0**	**26**	8·9	27	12·5	30	13·8	3	15·1	11	11·9	4	12·3	11	11·3	8	8·6	25	7·0	25	6·0	1	15·1	June 11
1954	5·8	16	7·8	23	8·8	17	11·5	16	14·5	31	13·7	1	11·8	4	11·2	23	10·7	6	8·6	25	7·0	9	5·3	15	14·5	May 31
1955	6·3	26	6·1	19	10·1	31	12·6	24	13·7	29	14·8	9	**15·5**	**12**	12·3	3	11·5	7	9·1	17	7·4	4	5·2	6	**15·5**	**July 12**
1956	6·6	24	6·6	7	9·5	10	12·3	19	13·8	26	15·3	9	13·4	11	11·3	13	9·6	1	9·3	13	6·4	9	5·6	26	15·3	June 9
1957	6·5	13	8·5	26	8·2	27	12·3	30	14·0	24	**15·5**	**20**	14·7	2	12·7	1	9·2	29	9·1	14, 19	**8·0**	**6**	5·9	21	**15·5**	**June 20**
1958	**7·8**	**30**	6·8	6, 12	8·5	11	12·1	13	14·3	30	12·8	13	10·6	9	11·9	2	9·5	26	8·6	2	6·0	5	5·8	31	14·3	May 30
1959	6·7	24	7·9	18	8·7	15	12·7	29	**14·9**	**24**	15·2	14	14·3	4	12·1	27	11·3	3	9·2	15	7·4	3	5·2	4	15·2	June 14
1960	6·2	5	7·7	20, 23	8·5	24	13·2	26	14·2	18	13·4	29	11·0	30	**13·8**	**10**	10·0	24	7·2	14	6·8	6	5·5	12	14·2	May 18
1961	6·0	4	8·4	15	9·0	5, 18	11·0	28	13·9	10	13·0	29	13·4	5	11·7	6	9·8	22	9·0	12	7·6	8	6·1	20	13·9	May 10
1962	6·6	14	7·6	22	9·4	19, 27	**13·4**	**30**	14·8	31	14·8	3	14·1	17	12·1	5	10·0	7	9·4	2	7·0	15	**6·4**	**5**	14·8	May 31, June 3
1963	7·1	22	8·2	23	10·6	23	12·3	19, 25	13·9	28	14·7	3	13·6	30	9·7	1	11·4	15	9·4	4	6·4	20	6·0	26	14·7	June 3
1964	5·3	20	7·9	29	9·2	25	10·1	29	12·9	26	13·6	19	11·2	15	13·7	11	10·5	1	9·0	3	7·7	8	6·0	10	13·7	Aug. 11
1965	6·1	3	8·1	28	**11·0**	**29**	11·6	19	14·3	19	14·4	2	12·6	1	13·5	5	11·5	2	8·4	23	6·8	22	5·7	26	14·4	June 2
1966	4·6	30	8·6	23	10·3	19	12·6	30	14·7	29	13·1	1	14·8	19	13·3	15	9·8	20	8·3	24	5·9	9	5·5	20	14·8	July 19
1967	5·7	2	8·8	23	10·5	31	11·3	27	12·3	31	14·5	17	11·1	2	12·5	20	10·0	9	8·0	20	**8·0**	**4**	5·3	10	14·5	June 17
1968	6·5	28	7·9	15	10·1	28	11·5	25	12·4	18	15·3	10	12·7	28	13·0	9	9·7	10	7·3	13	7·8	3	5·0	15	15·3	June 10
1969	6·0	5	7·4	7	7·9	22	11·1	4, 6	12·1	18	15·1	11	13·3	31	9·6	4	9·7	2	7·8	18	6·6	28	6·0	11	15·1	June 11
1970	6·5	6	7·1	10	9·6	6	10·5	26	10·3	14	14·8	3	14·3	7	11·0	11	9·8	27	9·0	9	7·4	15	6·2	20	14·8	June 3
1971	6·5	11	6·8	22	9·8	21	11·5	10	13·3	4	14·6	1	15·3	12	12·7	20	**11·6**	**5**	**10·1**	**1**	7·3	19	4·0	7	15·3	July 12
1972	7·0	20	7·9	9	9·5	21	11·0	23	11·3	27	9·6	19	14·8	18	13·5	21	11·2	9	7·6	28	6·9	15	5·8	7	14·8	July 18

Table V—Wind at Dublin (Merrion Square): Highest Gust (mph) and Date of Occurrence

Year	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Year	
	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date	Speed	Date
1948	† —	—	—	—	—	—	66	1	39	3	49	3	55	21	**62**	**25**	53	28	44	14, 20	55	4	66	7	—	— —
1949	57	17	66	22	50	13	60	7	49	5	48	4	43	30	48	7	45	21	66	18	58	17	61	19	66	Feb. 22, Oct. 18
1950	56	29	58	17	58	17	**68**	**10**	46	29	41	28, 30	47	16	51	9	58	16	43	4	47	30	43	9	68	Apr. 10
1951	49	10	47	17	43	22	49	12	44	27	49	13	41	6	43	25	51	24	44	27	65	5	**74**	**27**	74	Dec. 27
1952	62	13, 15	47	6	54	28	54	9	44	9	45	18	47	13	45	13, 18	58	25	61	28	60	4	52	16	62	Jan. 13, 15
1953	54	31	42	24	55	28	56	11	53	16	45	1	47	8	50	30	59	2	57	26	55	1	45	21	59	Sept. 2
1954	**79**	**15**	52	26	53	6	45	4	59	5	46	26	**59**	**27**	44	29	60	16	57	19	70	27	67	8	79	Jan. 15
1955	57	4	48	28	47	1	48	2	56	4	42	4, 23	38	3	37	16, 18	50	2	57	5	67	2	63	28	67	Nov. 2
1956	61	21	60	29	60	1	39	5	57	11	54	4	52	29	58	13	61	28	56	17	55	8	64	13	64	Dec. 13
1957	62	31	**79**	**4**	61	20	37	17	46	15	42	28	46	26	54	24, 25	54	12	58	31	55	1	58	8	79	Feb. 4
1958	65	8	49	10	47	14	51	15	49	19	36	3, 25	42	13	46	4	64	24	47	10, 12	45	1	60	21	65	Jan. 8
1959	59	1	51	27	50	4	59	6	39	2	52	8	43	2	56	14	32	21	66	27	74	19	62	26	74	Nov. 19
1960	48	20	59	27	54	3	67	13	42	11	**63**	**12**	51	5	41	23	49	30	44	1	**76**	**2**	54	4, 25	76	Nov. 2
1961	69	27	**79**	**26**	53	17	47	23	57	7	38	23	45	3, 26	49	18, 21	**70**	**16**	**80**	**22**	59	30	51	11	**80**	**Oct. 22**
1962	70	11	73	12	**63**	**7**	56	5	55	16, 17	62	24	43	2	57	26	52	29	48	28, 30	55	17	66	15	73	Feb. 12
1963	58	20	55	6	**63**	**16**	52	21	56	13	51	18	37	25	51	26	55	26	47	8	66	12	52	3	66	Nov. 12
1964	58	31	60	1	44	17	54	29	55	7	47	10	48	7	50	24	53	24	50	6	57	16	69	7	69	Dec. 7
1965	69	17	48	20	54	24	60	17	49	8	57	18	53	29	46	24	47	17	51	30	69	1	62	9	69	Jan. 17, Nov. 1
1966	53	1	49	25, 26	60	27	48	27	**64**	**22**	46	27	41	24	45	9, 10	50	15	44	4, 17	58	15	64	1, 2	64	May 22, Dec. 1,2
1967	46	25, 27	56	27	56	11	52	20	50	19	39	22	35	3	46	14	48	5	59	26	(45)	(28)	58	23	59	Oct. 26
1968	75	14	41	4	59	16	54	1	42	10	39	25	38	3	43	13	56	20	51	12	56	1	57	22	75	Jan. 14
1969	61	17	57	19	53	31	64	11	35	16, 23	45	20	46	18	42	26	54	21	46	23, 24	50	19	50	19	64	Apr. 11
1970	49	8, 23	64	19	51	17	45	12	48	21	45	24, 29	52	1	61	16	58	9	59	31	65	3	50	6	65	Nov. 3
1971	60	24	52	13, 16	51	18	43	18	41	15	44	26	36	15	44	28	54	17	54	17	51	17	55	21	60	Jan. 24
1972	52	16, 18, 26	59	2	57	3, 27	52	2	60	25	46	21, 22	36	10	43	4	31	9	51	22	55	9	63	5	63	Dec. 5

† Continuous record commenced 1st April 1948

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