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Scottish Salmon Catch Statistics, 1952-1970

by

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This document continues the series of reports on Scottish catch statistics which have been submitted to the Joint Working Party each year since 1966. It reports, in detail, on the 1970 catch and gives preliminary information on the 1971 catch. The appropriate values for 1970 have been added to Tables 1-14 and new averages, covering the 19-year period 1952-1970, calculated.

The total Scottish catch of salmon and grilse in 1970 (Table 1) was below the long-term average and, in terms of both numbers and weight, was the lowest recorded since 1961. The number of grilse caught, although above the long-term average and within the range of higher grilse catches recorded since 1962, was only about 70% of the very high grilse catches recorded in 1967 and 1969. In sharp contrast, the salmon catch was the lowest recorded since 1952, when full catch statistics first became available, and was only about 75% of the long-term average. With the exception of 1961, when drift netting off the east coast of Scotland may have had an adverse effect on catches by conventional methods, 1970 was the first year in which the salmon catch dropped below 200,000 fish or 900 tons.

Table 2, which gives details of monthly and total commercial salmon catches, indicates that the downward trend in the 'spring' catch (February-May) continued in 1970, the February catch being the lowest so far recorded, while the March and April catches, although above those recorded for 1969, were well below those for these months prior to 1967. The 'spring' commercial catch in 1970, although 17% better than that recorded in 1969, was only 31% of the long-term average. The 'summer' commercial salmon catch was also below the long-term average and was the lowest recorded since 1961.

Monthly and total commercial grilse catches are given in Table 3. The commercial grilse catch, although the fifth highest recorded since 1952, was only about 70% of the very high commercial grilse catches reported in 1967 and 1969. The trend towards a higher proportion of the commercial grilse catch being taken in August and September, which has been a feature of recent years, was again apparent in 1970.

A comparison of the breakdown of catches by areas is provided in Table 4-7, based on 64 fishery districts which have an annual catch of 100 or more salmon and grilse. These tables indicate that, while the 'East Coast' catch of salmon and grilse in 1970 (Table 4) was above average, mainly because of the increased grilse catches which have been a striking feature of catches in recent years in this area, those in the other three areas were below average, except in the case of the 'West Coast and Islands' salmon catch (Table 6). The 'Moray Firth and North Coasts' (Table 5) shows the most marked decrease in the combined catch of salmon and grilse, to only about 70% of the long-term average.

Details of monthly and overall catch/unit effort for the net and coble and fixed engine fisheries are given in Tables 8-13. For the net and coble fishery, the overall catch/unit effort for salmon was slightly above the long-term average, while the corresponding value for grilse was well above average, being the third best so far recorded and reflecting the increased abundance of grilse in recent years. In contrast, in the fixed engine fishery, the catch/unit effort for salmon was among the lowest recorded since 1952 and the catch/unit effort for grilse, although well above the long-term average, showed a less marked upward trend than that in the net and coble fishery, 42% as compared with 54% above average.

The 1970 values for the total amount of effort expended in each type of commercial fishery (Table 14) indicate that the downward trend in fixed engine effort continued, while that in the net and coble fishery was maintained at about the same reduced level as in 1969.

Detailed statistics for the Scottish catch in 1971 are not yet available but the provisional figures are 390,000 fish weighing 1290 tons, made up of 149,000 salmon (approximately 654 tons) and 241,000 grilse (approximately 636 tons). Numerically, lower total catches were recorded on eight occasions prior to 1962 but, because of the continuing trend towards a higher proportion of grilse in the total catch, in terms of weight it is, with one exception (1956), the lowest recorded since 1952.

The grilse catch in 1971 was very similar to that recorded in 1970 and, in keeping with the recent trend, was well above the long-term average. In contrast, the salmon catch was substantially poorer than that in any year since 1952, being about 15% less than that for 1970 (the previous lowest) and only about 65% of the 1952-1970 average.

Table 1 Annual Scottish Catches 1952-1970

Year	No.	Salmon Wt. (tons)	Average Wt. (lb.)	No.	Grilse Wt. (tons)	Average Wt. (lb.)	No.	Total Wt. (tons)	Average Wt. (lb.)
1952	236,285	1163.0	11.0	151,157	325.3	4.8	387,442	1488.3	8.6
1953	211,935	980.4	10.4	141,782	339.1	5.3	353,717	1319.5	8.4
1954	256,401	1184.4	10.3	117,916	286.9	5.4	374,317	1471.3	8.8
1955	252,109	1100.6	9.8	136,015	302.7	5.0	388,124	1403.4	8.1
1956	200,425	928.9	10.4	117,275	261.7	5.0	317,700	1190.2	8.4
1957	217,572	939.0	9.7	196,974	452.2	5.1	414,546	1391.3	7.5
1958	224,820	1033.7	10.3	202,703	462.0	5.1	427,523	1495.7	7.8
1959	270,006	1224.5	10.2	115,962	270.0	5.2	385,968	1494.5	8.7
1960	201,753	945.1	10.5	184,631	468.3	5.7	386,384	1413.4	8.2
1961	179,926	807.0	10.1	156,257	369.6	5.3	336,183	1176.6	7.8
1962	213,436	999.2	10.5	280,826	712.9	5.7	494,262	1712.1	7.8
1963	267,280	1265.7	10.6	166,922	405.9	5.4	434,208	1671.5	8.6
1964	269,566	1196.7	9.9	286,462	686.5	5.4	556,028	1883.1	7.6
1965	219,999	1048.4	10.7	213,826	541.6	5.7	433,825	1590.1	8.2
1966	227,707	1048.7	10.3	220,920	545.8	5.5	448,627	1594.5	8.0
1967	261,534	1285.1	10.5	342,597	873.6	5.7	604,131	2098.6	7.8
1968	213,993	1003.8	10.5	213,879	534.8	5.6	427,872	1538.7	8.0
1969	303,525	971.5	10.4	348,781	938.7	6.0	558,746	1910.2	7.7
1970	174,070	789.9	10.2	243,226	612.1	5.6	417,296	1402.0	7.5
Average 1952-70	226,778	1045.0	10.3	202,006	494.2	5.5	428,784	1539.2	8.0

Table 2

Monthly Commercial Salmon Catches 1952-1970

Year	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
1952	26,850	24,971	34,892	41,506	36,139	25,953	9,608	983	200,902
1953	20,644	21,971	23,455	35,997	25,060	29,200	10,670	695	167,692
1954	17,729	33,602	43,406	37,401	29,490	30,742	9,886	637	202,893
1955	6,438	24,679	34,961	33,088	44,762	41,631	18,339	1,517	205,415
1956	5,714	21,521	19,904	27,570	34,818	31,442	9,354	728	151,051
1957	6,497	20,642	20,935	31,525	33,557	31,105	10,019	544	154,824
1958	6,528	16,623	21,053	33,782	31,103	37,114	15,836	758	162,797
1959	34,218	27,140	27,083	30,686	40,356	39,056	21,608	2,308	222,455
1960	5,892	18,017	15,277	28,403	26,532	34,397	17,626	2,338	148,482
1961	6,048	15,789	16,674	22,482	25,934	26,833	14,880	2,232	130,872
1962	5,370	10,931	9,946	22,058	31,247	43,750	25,057	2,919	151,278
1963	11,023	34,363	22,774	32,100	33,675	33,363	26,527	3,461	197,286
1964	9,934	13,171	13,233	23,744	35,804	57,678	43,213	5,453	202,230
1965	7,884	15,823	14,911	18,167	30,517	43,407	22,285	2,549	155,543
1966	4,931	13,479	15,620	18,905	24,952	45,469	36,245	4,554	164,155
1967	4,755	10,809	10,912	14,372	37,178	65,862	48,012	6,736	198,636
1968	7,252	12,478	9,441	13,712	33,018	51,221	34,887	6,319	168,318
1969	3,237	4,796	7,731	10,746	21,779	60,406	50,576	7,940	167,211
1970	3,126	7,584	9,758	10,541	20,436	41,432	29,795	5,151	127,823
Average 1952-70	10,214	18,336	19,577	25,620	31,387	41,582	23,917	3,043	172,624

Table 3

Monthly Commercial Grilse Catches 1952-1970

Year	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
1952		1	32	1,060	39,458	94,502	9,846	192	145,091
1953		5	14	583	18,098	96,622	19,728	459	135,509
1954	1		2	246	9,580	83,633	19,243	358	113,063
1955		1	3	134	15,556	89,467	26,228	581	131,970
1956			7	372	13,954	75,370	19,315	282	109,300
1957	33		13	677	32,339	116,231	37,378	307	186,978
1958		3	11	411	14,346	129,797	43,274	646	192,588
1959			6	311	5,841	67,847	37,623	890	112,518
1960		1	22	701	12,116	111,737	47,088	1,766	173,431
1961	13	3	83	344	11,538	96,198	40,476	1,372	150,027
1962	11	2	9	583	20,413	177,165	70,269	1,883	270,335
1963		26	55	207	5,471	91,218	58,908	1,790	157,675
1964	913	914	922	1,255	13,548	140,377	109,222	5,084	272,235
1965	8		7	309	12,475	142,857	47,623	1,835	205,115
1966	135		3	169	4,650	115,253	89,312	3,024	212,546
1967			8	300	26,657	197,199	100,395	3,588	328,147
1968	200	250	329	905	14,757	124,457	63,247	3,033	207,178
1969	7	1	36	902	34,963	226,105	74,185	4,492	340,691
1970			7	453	20,860	148,024	58,840	3,494	231,678
Average 1952-70	70	61	83	522	17,711	122,319	51,384	1,846	193,478

**Table 4** Annual Catches 1952-1970  
East Coast (Berwick-Kinnaird Head)

<u>Year</u>	<u>Salmon</u>	<u>Grilse</u>	<u>Total</u>
1952	147,069	66,470	213,539
1953	127,456	61,933	189,389
1954	157,580	51,056	208,636
1955	139,752	46,864	186,616
1956	114,612	47,059	161,671
1957	126,143	74,151	200,294
1958	121,645	81,164	202,809
1959	182,943	54,539	237,482
1960	119,297	82,083	201,380
1961	107,143	76,759	183,902
1962	118,170	147,764	265,934
1963	168,108	73,298	241,406
1964	151,655	134,471	286,126
1965	126,507	97,720	224,227
1966	140,176	109,525	249,701
1967	149,502	166,126	315,628
1968	130,668	100,250	230,918
1969	136,091	209,918	346,009
1970	112,683	157,273	269,956
Average 1952-70	135,642	96,759	232,401

**Table 5** Annual Catches 1952-1970  
Moray Firth and North Coasts (Kinnaird Head-Kyle of Tongue)

<u>Year</u>	<u>Salmon</u>	<u>Grilse</u>	<u>Total</u>
1952	64,742	66,877	131,619
1953	60,378	55,889	116,267
1954	70,737	42,834	113,571
1955	80,459	64,874	145,333
1956	59,493	48,729	108,222
1957	57,860	77,404	135,264
1958	66,313	66,948	133,261
1959	55,826	39,196	95,022
1960	54,565	64,098	118,663
1961	47,584	55,049	102,633
1962	56,333	73,690	130,023
1963	62,138	47,142	109,280
1964	73,914	88,707	162,621
1965	57,765	66,222	123,987
1966	51,446	64,047	115,493
1967	68,675	111,480	180,155
1968	50,280	57,721	108,001
1969	45,913	92,775	138,688
1970	34,894	53,953	88,847
Average 1952-70	58,911	65,139	124,050

**Table 6** Annual Catches 1952-1970  
West Coast and Islands (Kyle of Tongue-Loch Fyne)

<u>Year</u>	<u>Salmon</u>	<u>Grilse</u>	<u>Total</u>
1952	8,289	8,472	16,761
1953	10,405	16,033	26,438
1954	10,939	16,635	27,574
1955	11,002	15,930	26,932
1956	9,940	12,599	22,539
1957	12,632	29,325	41,957
1958	14,316	27,205	41,721
1959	8,352	9,334	17,686
1960	7,482	18,294	25,776
1961	7,468	12,762	20,230
1962	13,796	24,104	37,900
1963	11,179	22,791	33,970
1964	17,354	31,237	48,591
1965	13,300	24,003	37,303
1966	10,540	19,589	30,129
1967	17,907	29,301	47,208
1968	14,427	26,155	40,582
1969	11,144	19,590	30,734
1970	12,596	15,654	28,250
Average 1952-70	11,751	19,948	31,699

**Table 7** Annual Catches 1952-1970  
Southwest and Solway Coasts (Loch Fyne-Solway)

<u>Year</u>	<u>Salmon</u>	<u>Grilse</u>	<u>Total</u>
1952	12,072	5,356	17,428
1953	10,756	4,740	15,505
1954	13,274	6,386	19,660
1955	15,192	8,272	23,464
1956	13,515	8,482	21,997
1957	16,032	15,999	32,031
1958	17,962	18,826	36,788
1959	20,731	11,045	31,776
1960	16,529	17,149	33,678
1961	15,316	10,435	25,751
1962	20,532	29,739	50,271
1963	22,234	20,188	42,422
1964	21,253	27,521	48,774
1965	19,202	23,480	42,682
1966	22,578	24,488	47,066
1967	22,919	33,218	56,137
1968	16,430	25,339	41,769
1969	14,478	23,374	37,852
1970	11,386	13,760	27,146
Average 1952-70	16,968	17,358	34,326

Table 8 Net and Coble - Catch/Unit/Effort - Salmon + Grilse

Year	Catch/Crew/Month								
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Overall
1952	170.0	162.5	121.0	108.3	177.4	286.0	60.1	17.8	152.4
1953	171.6	101.1	88.7	84.0	57.6	234.3	82.8	12.5	118.5
1954	194.7	271.5	194.7	107.5	95.7	236.9	99.7	12.8	156.8
1955	72.4	177.8	180.6	103.7	149.5	266.2	130.6	30.5	159.6
1956	52.3	182.0	93.0	66.4	96.7	214.4	77.6	17.8	114.7
1957	76.5	220.2	133.5	109.8	147.1	328.4	122.7	11.8	169.2
1958	84.0	158.8	135.0	104.5	104.9	312.4	136.9	20.7	156.2
1959	286.2	218.8	130.3	85.2	105.5	219.0	180.0	44.7	158.6
1960	64.0	157.5	77.9	87.8	90.0	340.2	197.0	60.5	161.5
1961	65.6	123.0	82.1	61.4	67.0	257.5	139.0	48.7	122.3
1962	64.2	76.6	59.3	75.5	126.8	509.6	270.9	65.0	218.5
1963	60.6	319.0	116.6	115.0	100.0	246.4	229.8	65.2	171.6
1964	89.9	102.0	59.4	63.5	96.3	420.0	397.5	116.1	212.4
1965	81.3	136.0	80.0	70.4	95.4	425.0	197.8	65.2	183.0
1966	53.4	130.0	113.7	70.5	78.1	342.5	359.0	130.4	199.0
1967	67.1	144.5	82.2	76.1	163.8	615.2	469.0	201.9	300.5
1968	74.4	117.6	55.6	56.8	103.5	373.7	267.6	159.5	188.6
1969	57.6	48.6	61.0	54.6	144.3	721.0	465.4	239.8	317.9
1970	40.2	80.2	79.4	60.0	100.8	570.7	366.1	154.5	236.4
Average									
1952-70	90.9	154.1	102.3	82.2	110.5	364.2	223.7	77.7	184.1

Table 10 Net and Coble - Catch/Unit/Effort - Grilse

Year	Catch/Crew/Month								
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Overall
1952	-	-	0.2	2.4	84.1	212.1	26.5	2.6	60.3
1953	-	-	-	0.5	2.8	169.2	53.3	4.7	48.9
1954	-	-	-	0.6	17.6	162.2	60.7	4.1	45.8
1955	-	-	-	0.1	29.3	159.2	65.1	6.6	51.6
1956	-	-	-	0.8	26.3	143.1	49.4	5.0	44.7
1957	0.5	-	-	1.3	65.0	244.4	88.6	3.0	80.2
1958	-	-	-	0.8	23.1	229.3	96.8	9.5	71.8
1959	-	-	-	0.4	8.6	130.5	112.0	10.9	46.8
1960	-	-	0.1	0.6	22.9	236.1	132.6	22.5	77.4
1961	-	-	0.4	0.6	13.5	195.8	98.1	16.2	61.4
1962	-	-	-	3.0	46.4	390.8	188.0	21.7	134.9
1963	-	-	-	0.1	6.2	157.8	140.0	15.5	62.3
1964	-	-	-	0.7	19.2	276.0	270.0	49.6	113.8
1965	-	-	-	0.4	20.4	317.0	125.0	26.8	99.0
1966	-	-	0.4	0.5	8.1	240.0	240.0	47.7	104.0
1967	-	-	-	0.8	54.8	442.8	295.2	68.9	170.4
1968	-	-	0.2	1.1	21.1	243.2	157.9	46.4	92.4
1969	-	-	0.3	3.3	76.7	540.3	253.4	85.8	194.5
1970	-	-	-	1.3	35.4	416.5	227.8	62.0	137.5
Average									
1952-70	-	-	0.1	1.0	30.6	258.2	141.1	26.8	89.4

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Table 9 Net and Coble - Catch/Unit/Effort - Salmon

Year	Catch/Crew/Month								
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Overall
1952	17.0	162.5	120.8	105.9	93.3	73.9	33.6	15.2	92.1
1953	171.6	101.1	88.7	83.5	54.8	65.1	29.5	7.8	69.6
1954	194.7	271.5	194.7	106.9	78.1	74.7	38.5	8.7	111.0
1955	72.4	177.8	180.6	103.6	120.2	107.0	65.5	23.9	108.0
1956	52.3	182.0	93.0	65.6	70.4	71.3	28.2	12.8	70.0
1957	76.0	220.8	133.5	108.5	82.1	84.0	34.1	8.8	89.0
1958	84.0	158.8	135.0	103.7	81.8	83.1	40.1	11.2	84.4
1959	286.2	218.8	130.3	84.8	96.9	88.5	68.0	33.8	111.8
1960	64.9	157.5	77.8	87.2	67.1	104.1	65.3	38.0	84.1
1961	65.6	123.0	81.7	60.8	53.5	61.7	40.9	32.5	60.9
1962	64.2	76.6	59.3	72.5	80.4	118.8	82.9	43.3	83.6
1963	60.6	319.0	116.6	114.9	93.8	88.6	89.8	49.7	109.3
1964	89.9	102.0	59.4	62.8	77.1	144.0	127.5	66.5	98.6
1965	81.3	136.0	80.0	70.0	75.0	108.0	72.8	38.4	84.0
1966	53.4	130.0	113.3	70.0	70.0	102.5	119.0	82.7	95.0
1967	67.1	144.5	82.2	75.3	109.0	172.4	173.8	133.0	130.1
1968	74.4	117.6	55.4	55.7	82.4	130.4	109.7	113.1	96.3
1969	57.6	48.6	60.7	51.3	67.6	181.6	212.0	153.9	123.4
1970	40.2	80.2	79.4	58.7	65.5	154.3	138.3	92.5	98.9
Average									
1952-70	90.9	154.1	102.2	81.1	79.9	105.9	82.6	50.8	94.7

Table 11 Fixed Engines - Catch/Unit/Effort - Salmon + Grilse

Year	Catch/Net/Month								
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Overall
1952	10.0	12.2	23.4	26.0	38.4	61.7	10.8	2.7	29.9
1953	11.6	20.2	16.4	24.9	25.1	72.5	17.8	8.2	28.5
1954	4.4	12.5	29.2	21.8	21.4	63.5	15.4	4.3	27.8
1955	1.4	14.4	20.2	20.2	33.8	74.0	25.5	4.2	32.6
1956	6.1	12.8	13.4	18.9	29.3	54.5	17.1	2.5	25.4
1957	2.0	7.7	10.8	15.7	34.7	77.7	33.5	2.2	31.5
1958	2.8	10.2	12.1	22.7	25.6	95.0	39.7	1.8	36.1
1959	40.9	19.6	18.1	20.8	29.0	66.1	30.7	8.2	33.2
1960	4.4	10.0	12.7	21.9	24.3	81.2	34.4	8.2	33.1
1961	6.7	14.3	12.8	15.3	25.5	68.8	32.5	5.9	29.5
1962	6.5	13.9	7.3	16.9	35.7	119.7	51.7	10.6	43.6
1963	39.7	30.9	23.2	25.5	25.1	84.0	47.5	13.7	41.7
1964	16.6	14.0	13.3	22.7	39.3	130.7	99.5	17.7	58.8
1965	11.1	18.4	16.6	16.0	34.1	115.4	46.0	6.6	44.4
1966	9.4	14.6	15.9	13.5	22.6	121.6	80.1	9.3	49.8
1967	2.4	7.4	10.4	10.8	53.2	180.9	92.9	11.8	71.5
1968	15.2	13.8	9.4	11.6	39.7	113.3	51.6	10.7	47.4
1969	0.9	8.1	8.6	9.9	49.6	178.5	57.4	17.5	65.6
1970	4.6	9.0	8.4	6.5	41.1	129.5	39.1	5.7	47.5
Average									
1952-70	10.3	13.9	14.8	17.5	33.0	99.4	43.3	8.0	40.9

Table 12 Fixed Engines - Catch/Unit/Effort - Salmon

<u>Catch/Net/month</u>									
<u>Year</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Overall</u>
1952	10.0	12.2	23.4	25.4	17.2	10.6	4.2	2.2	15.2
1953	11.6	20.2	16.4	24.6	13.3	14.6	5.8	4.5	14.0
1954	4.4	12.5	29.2	21.6	15.1	14.6	4.0	3.1	15.2
1955	1.4	14.4	20.2	20.1	23.4	18.6	7.2	3.7	16.9
1956	6.1	12.8	13.4	18.6	20.5	13.7	4.7	2.2	13.9
1957	2.0	7.7	10.8	15.4	16.6	13.1	4.6	1.2	11.2
1958	2.8	10.2	12.1	21.8	15.4	17.8	8.3	1.0	14.0
1959	40.9	19.6	18.1	20.6	24.0	21.1	9.9	4.9	20.4
1960	4.4	10.0	12.7	21.0	15.1	12.9	6.2	3.8	12.8
1961	6.7	14.3	12.8	19.0	15.8	12.4	6.9	1.8	12.3
1962	6.4	13.9	7.3	16.7	20.0	17.5	9.6	5.1	14.0
1963	39.7	30.8	23.1	25.2	19.3	15.6	9.1	7.0	19.9
1964	16.6	14.0	13.3	22.4	27.6	32.2	23.8	7.4	23.2
1965	11.1	18.4	16.6	15.6	22.0	24.2	11.2	3.7	17.8
1966	9.4	14.6	15.8	13.5	19.0	32.3	18.1	3.4	19.4
1967	2.4	7.4	10.4	10.4	26.3	39.2	22.3	7.2	21.6
1968	15.2	13.8	9.4	11.1	24.8	25.6	13.5	4.0	17.6
1969	0.9	8.1	8.6	9.0	15.5	28.8	16.1	10.7	15.9
1970	4.6	9.0	8.4	7.8	16.3	19.6	8.9	3.2	12.3
<u>Average</u>									
1952-70	10.3	13.9	14.8	17.1	19.3	20.2	10.2	4.2	16.2

Table 14 Total Annual Effort

<u>Year</u>	<u>Net and Coble</u>	<u>Fixed Engines</u>
	<u>Total No. of Crew/Months</u>	<u>Total No. of Net/Months</u>
1952	1015	4958
1953	1055	4919
1954	1022	4532
1955	1001	4384
1956	1031	5188
1957	958	4577
1958	1028	4907
1959	1107	4354
1960	1034	4147
1961	1189	4163
1962	1086	3688
1963	989	3800
1964	1017	3969
1965	998	3593
1966	917	3490
1967	946	3014
1968	1070	3200
1969	876	3221
1970	882	2910

Table 13 Fixed Engines - Catch/Unit/Effort - Grilse

<u>Catch/Net/Month</u>									
<u>Year</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Overall</u>
1952	-	-	-	0.6	21.2	51.1	6.6	0.5	14.7
1953	-	-	-	9.3	11.8	57.9	12.0	3.7	14.5
1954	-	-	-	0.2	6.3	48.9	11.4	1.2	12.6
1955	-	-	-	0.1	10.4	55.4	18.3	0.5	15.7
1956	-	-	-	0.3	8.8	40.8	12.4	0.3	11.5
1957	-	-	-	0.3	18.1	64.6	28.9	1.0	20.4
1958	-	-	-	0.3	10.2	77.2	31.4	0.8	22.1
1959	-	-	-	0.2	5.0	45.0	20.8	3.3	12.8
1960	-	-	-	0.9	9.2	65.3	28.2	4.4	20.3
1961	-	-	-	0.3	9.7	56.4	25.6	4.1	17.2
1962	0.1	-	-	0.2	15.7	102.2	42.1	5.5	29.6
1963	-	0.1	0.1	0.3	5.8	68.4	38.4	6.7	21.8
1964	-	-	-	0.3	11.7	98.5	75.7	10.3	35.6
1965	-	-	-	0.4	12.1	91.2	34.8	2.9	26.6
1966	-	-	0.1	-	3.6	89.3	62.0	5.9	30.4
1967	-	-	-	0.4	26.9	141.7	70.6	4.6	49.9
1968	-	-	-	0.5	14.8	87.7	38.1	6.6	29.8
1969	-	-	-	0.8	34.1	147.7	41.3	6.9	49.7
1970	-	-	-	0.7	24.2	109.8	30.2	2.5	35.2
<u>Average</u>									
1952-70	-	-	-	0.4	13.7	79.2	33.1	3.8	24.8