

TRANSPORT

The transport section covering, more or less, the last quarter of the twentieth century is necessarily vastly different from the corresponding section in the earlier volumes (Welsh Office, 1985) covering the previous two centuries. In part this simply represents technical change; some forms of transport (like railways, ships and canals) declining in significance or even becoming invisible in commercial terms; others (like motor vehicles or aircraft) growing in importance. Beyond this, and despite the ubiquity of motor transport, it is difficult to avoid the conclusion that transport has become less central to Welsh economic development; and also that Wales now plays a much less crucial role in transport developments than it did when it was a leading area for canal engineering or when in the early twentieth century, South Wales probably had the world's most concentrated railway network. In part this is reflected in the decline of the number and proportion of the workforce engaged in transport (see Labour, Tables 7.1 and 7.3), whilst it also reflects the shift in the economic base from dependence on cheap, bulky goods (coal, iron) requiring elaborate transport arrangements.

The reduced significance of transport emerges clearly enough in the tables (5.1 to 5.9) which are, of course, confined to Wales: if they were also placed alongside comparable figures for England the marginalisation of Wales would be still more apparent. During these years there was in Wales no major airport to tap into the area of most rapid growth; there were few motorways; no significant active ports; and the main rail provision had become skeletal. Thus the high quality of the statistics on civil aviation (Table 5.1) simply serve to emphasise that most Welsh air passengers travelled from outside airports and that little freight was moved directly either to or from Wales. The figures on road vehicle licences issued in Wales represent an annual census count and, on that basis, can be taken as reliable, especially from 1978 onwards

when the figures are drawn from a full count made in December at the centralised Driver and Vehicle Licensing Centre. There are, however, some pertinent reasons for caution in interpreting the table: the figures naturally do not cover those vehicles which have not been legally licensed; and the numbers in the various categories of vehicles need to be read with close attention to the notes to the tables since the categories and their detailed composition were changed from time to time.

It is straightforward enough to get an objective figure of road lengths for the different classes of roads, which can be more or less clearly defined, but Table 5.4 on the volume of traffic is necessarily more problematic. It is based on a sample census of traffic at a given date to which is added an estimate of distance travelled. The broad trends should, however, be reasonably secure. Road accidents (Table 5.5) relate to those which are officially reported which would comprehensively cover fatal injuries but understates the number of serious and slight injuries. Table 5.6 gives an indication of the density of car ownership relative to population for the various counties; the interesting contrast is that despite the low income levels car density is high in rural areas, but the low income level in industrial Mid Glamorgan is related with a low density of car registration.

The tables on rail and shipping (5.7 to 5.9) show a decline in provision and usage. It is interesting that the only growth area in rail transport is in the minor railways catering for tourist and recreational traffic; it is also worth noting that the main decline in main railways pre-dates the period covered in this volume since the main closures took place in the 1960s or earlier. Much the same could be said of the traffic through Welsh ports.

The four tables on Communications (5.10 to 5.13) seek to capture the main trends in postal, telephone, radio and television services in Wales during these years. They can be broadly accepted as doing so with the important caveat that the first half of the 1990s probably represent the latest period in which this could be true. This follows from the major technological and structural changes which have affected the whole field of communication. Thus besides the need to read the notes to Table 5.10 carefully to register changes in the areas covered by the postal statistics, there have developed

alternative providers of some, especially parcel, services which means that the coverage of the Post Office information has become less comprehensive. There has been a similar growth of competing providers of telephone services (Table 5.11), whilst satellite and cable television are increasingly supplementing the work of the terrestrial channels recorded in Table 5.12. If, impressionistically, it can be said that these developments were mostly still taking root in Wales in the early 1990s, they all need to be addressed and embraced for the future.

5.1 Civil aviation: aircraft movements, passengers and freight handled, quinquennially (a)

	1974	1979	1984	1989	1994 (f)
Aircraft movements (number):					
Scheduled (b):					
Cardiff-Wales	4,958	6,865	6,055	4,611	9,948
Charter:					
Cardiff-Wales	1,972	1,461	4,052	5,688	6,255
Hawarden	-	-	-	233	9
Swansea	470	384	679	526	398
Others:					
Cardiff-Wales	37,053	30,795	33,553	50,475	39,539
Hawarden	12,826	19,900	19,226	8,079	4,576
Swansea	14,861	15,409	18,729	30,183	26,882
Passengers handled (number):					
Scheduled (c):					
Cardiff-Wales	101,775	115,714	79,924	95,793	170,746
Charter:					
Cardiff-Wales	127,792	137,790	348,888	600,538	826,309
Hawarden	-	-	-	919	139
Swansea	3,327	1,639	2,115	550	2,154
Transit (d):					
Cardiff-Wales					
Scheduled	25,381	36,397	22,653	21,251	13,828
Charter	6,636	2,690	5,081	18,133	21,393
Freight handled (tonnes) (e):					
Cardiff-Wales:					
Set down	53.6	110.7	24.0	90.0	102.0
Picked up	188.9	170.0	21.0	477.0	193.0

Source: Digest of Welsh Statistics

- (a) Includes military flights at civil aerodromes.
- (b) There was a small number (ranging from 56 in 1977 to 927 in 1978) of scheduled flights from Hawarden between 1977 and 1983. There have been none since that date. Swansea also had usually very small numbers (except for 1979 when there were 1,150) of scheduled flights in most years between 1974 and 1983. There were then no scheduled flights till 1992 (70).
- (c) See note (b). The peak number of passengers at Hawarden was 3,987 in 1978, and at Swansea 5,879 in 1979.
- (d) There were very small numbers (usually less than 100) for Hawarden and Swansea.
- (e) No freight traffic passed through Hawarden during these years: there were small amounts (peaking at 18.4 tonnes in and out) in occasional years at Swansea.
- (f) The figures for Swansea for charter aircraft movements; other aircraft movements and for charter passengers handled relate to 1993.

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5.2 Road vehicles licensed, by taxation class

Thousands

	Private cars and vans (a)	Motorcycles and tricycles (b)	Public conveyances (c)	Goods vehicles		Agricultural vehicles		Vehicles exempt from duty (g)	Total (h)
				Vans and lorries (d)	General haulage tractors and others (e)	Vans and lorries (f)	Tractors and engines (f)		
1974	705.2	39.8	5.9	75.3	0.3	7.4	27.8	6.1	867.7
1975	698.4	45.6	6.2	70.5	0.5	7.6	24.6	6.1	859.6
1976	713.4	48.0	5.9	69.5	0.4	8.8	23.8	8.1	877.9
1977 (i)									
1978	703.9	46.7	6.0	62.9	0.4	9.2	23.6	8.6	861.3
1979	726.4	52.2	6.0	66.3	0.4	9.5	23.9	15.5	900.2
1980	751.3	56.8	6.0	66.3	0.4	9.9	23.8	20.7	935.2
1981	753.0	56.3	5.9	65.3	0.4	10.2	21.4	22.0	934.5
1982	772.8	57.0	6.1	65.2	0.4	10.8	22.0	24.4	958.7
1983	750.0	54.0	6.2	103.5	0.3	10.9	22.6	34.5	982.0
1984	766.8	52.1	6.4	105.4	0.3	10.9	21.9	39.7	1003.5
1985 (j)	787.2	50.0	6.7	109.4	0.3	10.1	22.1	44.2	1030.0
1986	807.0	46.5	7.5	114.2	0.2	10.0	22.0	47.8	1064.3
1987	830.5	43.2	7.7	119.3	0.3	9.6	23.1	50.9	1094.2
1988	878.0	39.8	8.1	127.9	1.4	9.2	24.2	53.4	1150.8
1989 (k)	914.7	37.5	7.1	129.9	1.2	8.7	24.5	55.1	1188.6
1989 (k)	1,025.0	35.2	7.1	19.7	3.5	8.7	24.5	55.1	1,188.6
1990	1,059.2	33.9	6.6	18.9	3.2	8.1	24.5	57.8	1,222.0
1991	1,052.1	29.4	5.9	17.3	3.2	7.5	22.3	61.1	1,208.6
1992	1,071.0	26.5	5.9	17.6	2.7	7.2	20.9	67.2	1,229.2
1993 (l)	1,022.6	23.5	5.6	16.3	2.4	6.9	20.5	76.1	1,174.0
1994	1,021.3	22.1	5.6	16.3	2.2	6.9	19.9	82.5	1,176.8
1995 (m)	1,013.9	20.7	4.8	19.8	4.9	.	.	93.0	1,174.8
1996	1,085.9	22.4	5.0	18.0	1.9	.	.	112.3	1,264.2

Source: Digest of Welsh Statistics

- (a) Becomes private cars only from 1983 to 1989; after 1989 light goods vehicles are again included.
- (b) Prior to and including 1980 motor cycles and tricycles includes pedestrian controlled delivery vans.
- (c) Includes buses, coaches, taxis, trolley buses and private hire cars from 1983-1989. From 1989 becomes 'Public transport vehicles plus taxis'.
- (d) From 1983 to 1989 becomes 'Vehicles taxed as Private and Light Goods other than Private cars'. From 1989 light vehicles are excluded.
- (e) Others include showmens' tractors, pedestrian controlled vehicles and recovery vehicles.
- (f) From 1989 includes trench diggers, mobile cranes etc., but excludes agricultural tractors on exempt licences.
- (g) Mainly cars and goods vehicles owned by Government authorities. From 1979 includes tax class 62 and from 1980 tax class 61 both not previously included
- (h) Includes a small number of vehicles for which a breakdown is not available.
- (i) Excluding track licences issued to manufacturers, and repairers of and certain dealers in motor vehicles, and to vehicles used by the services. Data is derived from the annual census. From 1974 the census method underlying the count of the stock of licensed vehicles gradually changed as vehicle records were transferred from local taxation offices to the Driver and Vehicle Licensing Centre. From 1978 the information has been obtained from a full count at the Driver and Vehicle Licensing Centre in December. There are no census results available for 1977.
- (j) 1985 figures were partly estimated to correct miscalculation of some records.
- (k) The impact of classification changes (see footnotes (a), (c) and (d)) have been assessed and the data on the new definition given.
- (l) The method of calculating the number of vehicles licensed was improved from 1993, and the later figures are thus not fully comparable with earlier years.
- (m) The total figure includes special concessions from 1995.

5.3 Road length, by road class, quinquennially (a)

	<i>Kilometres</i>				
	1974	1979	1984	1989	1994
Motorway	45	94	120	120	123
Trunk	1,653	1,623	1,654	1,579	1,577
Principal	2,380	2,447	2,479	2,618	2,662
Classified	12,283	12,317	12,351	12,469	12,590
Unclassified	14,399	14,740	15,804	16,431	16,757
All roads	30,758	31,221	32,407	33,216	33,709

Source: Digest of Welsh Statistics

(a) At 1 April.

5.4 Volume of traffic, by road class, quinquennially (a)

	<i>Billion vehicle kilometres</i>				
	1974	1979	1984	1989	1994
Motorway	1.20	1.73	2.04
Trunk:					
Built up	0.77	0.77	0.82
Non built up	3.43	3.89	4.34
Principal:					
Built up	2.71	2.96	3.12
Non built up	2.20	3.18	3.26
All roads	10.32	12.53	13.58

Source: Digest of Welsh Statistics

(a) At 1 April. Pedal vehicles not included. Built up roads are those with a speed limit of 40 m.p.h. or less. Non-built up roads are those, excluding motorways, with a speed limit exceeding 40 m.p.h.

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5.5 Road accidents and casualties, by severity

	<i>Number</i>							
	Accidents				Casualties			
	Fatal	Serious	Slight	Total	Killed	Seriously injured	Slightly injured	Total
1974	334	3,865	7,194	11,393	368	5,096	10,504	15,968
1975	297	3,481	7,297	11,075	318	4,433	10,308	15,059
1976	305	3,561	7,632	11,498	322	4,584	10,899	15,805
1977	293	3,460	7,635	11,388	320	4,415	10,991	15,726
1978	317	3,533	7,789	11,639	338	4,551	11,427	16,316
1979	295	3,451	7,600	11,346	314	4,364	10,914	15,592
1980	252	3,265	7,381	10,898	268	4,182	10,629	15,079
1981	243	3,195	7,470	10,908	275	4,066	10,725	15,066
1982	260	3,041	7,829	11,130	300	3,902	11,235	15,437
1983	228	2,665	7,394	10,287	245	3,296	10,175	13,716
1984	227	2,741	7,566	10,534	250	3,453	10,443	14,146
1985	224	2,633	7,370	10,227	245	3,310	10,282	13,837
1986	214	2,559	7,751	10,524	235	3,243	10,967	14,445
1987	196	2,573	7,749	10,518	220	3,173	10,890	14,283
1988	211	2,336	8,611	11,158	226	2,901	12,034	15,161
1989 (a)	212	2,348	9,241	11,802	231	2,960	12,970	16,162
1990	223	2,206	9,393	11,822	244	2,787	13,397	16,428
1991	201	1,908	8,715	10,824	227	2,408	12,430	15,065
1992	206	1,825	8,433	10,464	220	2,314	12,195	14,729
1993	167	1,581	8,298	10,046	187	2,003	12,138	14,328
1994	194	1,582	8,760	10,536	210	1,998	12,897	15,105
1995	193	1,484	8,599	10,276	218	1,915	12,818	14,951
1996	196	1,562	8,530	10,288	216	1,914	12,723	14,853

Source: Digest of Welsh Statistics

(a) Total includes an accident/casualty of unknown severity.

5.6 Cars in all taxation classes registered, by county, selected years (a)

	Number (Thousands)					Cars per thousand population				
	1976	1980	1983	1986	1992	1976	1980	1983	1986	1992
Clwyd	108	112	116	126	154	287	291	293	315	371
Dyfed	101	101	102	109	131	313	311	304	322	372
Gwent	101	121	125	137	163	229	278	284	310	366
Gwynedd	65	70	70	75	88	290	308	302	320	365
Mid Glamorgan	115	113	118	129	156	213	210	220	241	289
Powys	44	34	34	36	43	432	318	307	320	365
South Glamorgan	93	105	110	122	150	239	268	281	308	368
West Glamorgan	87	95	97	106	125	233	260	265	292	339
Wales (b)	713	751	772	941	1,016	258	271	275	298	350
Great Britain	14,029	15,073	15,854	17,389	20,681	258	277	289	315	369

Source: Digest of Welsh Statistics

- (a) Figures not available for every year on this basis. Excludes vehicles officially registered by armed forces. The figures per thousand population are based on the Registrar-General's mid-year estimates of population.
- (b) The number of cars for Wales includes a small number (e.g. 9,600 in 1986, 8,400 in 1992) for which no county assignment was known.

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5.7 Value of foreign traffic through Welsh seaports

	Imports							
	Cardiff	Swansea	Newport	Holyhead	Port Talbot	Milford Haven	Other ports	All Welsh ports
1974	227	76	192	63	35	1,214	52	1,859
1975	199	76	271	74	45	987	46	1,698
1976	222	116	278	63	75	1,377	60	2,189
1977	250	131	298	283	72	1,086	63	2,183
1978	203	121	295	398	58	1,007	79	2,161
1979	259	115	321	530	88	1,205	108	2,626
1980	202	59	279	583	47	1,458	130	2,758
1981	175	118	327	591	100	1,592	144	3,047
1982	130	98	335	414	120	1,676	172	2,945
1983	159	110	373	319	126	1,175	190	2,453
1984	201	153	467	692	199	1,710	165	3,586
1985	216	200	437	1,082	207	1,494	176	3,812
1986	225	187	515	688	158	698	326	2,797
1987	210	189	588	928	166	702	331	3,114
1988	249	172	692	571	154	666	196	2,700
1989	237	231	801	615	239	1,129	336	3,588
1990	236	208	833	527	227	1,218	256	3,404
1991+ (a)	211	193	788	411	203	1,120	194	3,122
1991* (a)	158	132	295	24	188	842	-	1,638
1992 (a)	159	92	259	25	173	946	-	1,655
1993 (a)	78	90	227	10	241	916	2	1,564

(a) Figures to 1991 + include EC traffic: from 1991* excludes EC traffic.

5.7 (continued) Value of foreign traffic through Welsh seaports

£ millions

Exports								
Cardiff	Swansea	Newport	Holyhead	Port Talbot	Milford Haven	Other ports	All Welsh ports	
80	136	120	86	8	271	37	738	1974
73	126	121	80	3	200	34	637	1975
34	187	181	92	9	274	57	833	1976
45	207	256	175	10	260	59	1,012	1977
66	220	324	219	8	294	80	1,211	1978
87	219	275	306	4	537	117	1,545	1979
102	201	290	268	6	762	118	1,746	1980
72	214	298	330	3	728	127	1,772	1981
48	281	275	330	4	672	142	1,751	1982
61	299	339	347	18	707	119	1,891	1983
115	370	321	408	22	791	116	2,142	1984
162	386	290	484	28	902	135	2,388	1985
173	220	276	416	35	446	201	1,767	1986
123	257	281	545	31	580	224	2,041	1987
125	262	330	659	30	625	155	2,186	1988
136	314	446	756	47	894	286	2,879	1989
150	205	408	776	14	767	287	2,609	1990
140	263	387	646	7	918	262	2,623	1991 + (a)
92	52	55	6	1	121	30	357	1991 * (a)
80	52	54	8	5	104	20	322	1992 (a)
33	63	100	3	-	174	15	388	1993 (a)

Source: Digest of Welsh Statistics from HM Customs and Excise, and Department of Transport

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5.8 Railways: Minor railways, selected years (a)

	Number of railways	Stations and halts	Rolling stock			Route Kilometres	No. of Passenger bookings (b)
			Seating and capacity	Locomotives	Carriages		
1978 (c)	6	27	1,820	54	85	40.2	569,232
1983 (d)	9	50	4,044	84	116	73.6	1,123,000
1988	10	51	4,266 (e)	113	150	77.9	641,577
1993	11	61	6,939	99	191	102.5	689,550

Source: Digest of Welsh Statistics

- (a) Private railways with over 2 kilometres of track.
 (b) Return journeys count as one passenger booking. 1988 excludes Welshpool and Llanfair. Separate figures on tourist attractions (not concerned with length of track) give figures for bookings on a slightly larger number of minor railways - 13 in 1993 (Bala Lake; Brecon Mountain; Fairbourne; Ffestiniog; Great Orme Tramway; Gwilli; Llanberris; Snowden Mountain; Talyllyn; Vale of Rheidol; Welsh Highland; and Welshpool and Llanfair).
 (c) Excludes Ffestiniog for which information was not available.
 (d) Excludes the British Rail Vale of Rheidol line.
 (e) Excludes Llangollen Railway.

5.9 Railways: British Rail track and stations (a)

	Clwyd	Dyfed (b)	Gwent	Gwynedd	Mid Glamorgan	Powys	South Glamorgan	West Glamorgan	Wales
Track:									
1961 (c)	344.9	546.7	319.5	488.3	514.7	399.1	152.2	274.4	3,039.7
1974	151.7	318.0	173.9	282.7	306.5	157.5	99.8	145.5	1,635.6
1979	148.9	314.6	176.6	282.7	243.6	150.7	109.0	158.1	1,584.2
1980	115.9	220.5	90.1	237.4	101.4	150.0	91.8	111.0	1,474.8
1985 (d)	115.9	220.5	90.1	237.4	112.7	150.0	98.2	111.0	1,492.5
1989 (e)	115.9	220.5	90.1	237.4	112.7	150.0	98.2	111.0	1,491.9
1994 (f)	115.9	220.5	90.1	237.4	125.5	150.0	98.2	111.0	1,504.7
Stations:									
1961 (c)	67	86	52	80	101	74	40	38	538
1974	20	34	6	49	31	17	22	5	184
1979	20	34	6	48	31	17	22	5	183
1980	17	34	6	47	32	16	23	5	180
1985	17	34	7	49	40	16	29	5	197
1989	17	34	7	49	40	16	29	5	197
1994	17	34	7	49	49	16	29	8	209

Source: Digest of Welsh Statistics

- (a) At December. Passenger and freight lines. Route mileage is the total length over which running lines have been laid and takes no account of the number of tracks.
 (b) Excludes Vale of Rheidol narrow gauge railway even for the years when it was still owned by British Rail.
 (c) The 1961 figures are given to indicate that the major changes in the Welsh rail system took place before the period covered in this volume.
 (d) 1985. Figures not available for 1984. The 1985 figures cover only passenger kilometres for the counties. The total freight length in Wales is 356.6 kms. of which 90 per cent is in South Wales. The total length of passenger track for Wales was 1,118.1 kms.
 (e) The 1989 figures for the counties only covers passenger lengths. The total passenger track for Wales was 1,135.9 kms.
 (f) The 1994 figures for counties only cover passenger kms., which totalled 1,148.3 for Wales.

5.10 Post Office services

	Letters posted (a)			Parcels posted (Millions) (a)	Broadcasting receiving licences (b)	
	1st Class (Per cent)	2nd Class (Per cent)	Total (Millions)		Monochrome television (Thousands)	Colour television (Thousands)
1973-74	48.9	51.1	452.9	6.9	724.4	324.1
1974-75	47.6	52.4	453.3	6.4	618.7	455.3
1975-76	35.5	64.5	436.2	5.3	581.4	493.8
1976-77	34.5	65.5	446.8	4.5	497.3	602.6
1977-78	35.9	64.1	458.0	4.1	437.5	674.7
1978-79	37.7	62.3	471.6	4.7	382.6	742.6
1979-80	42.1	57.9	475.3	6.7	332.0	792.0
1980-81	43.7	56.3	471.0	4.7	302.5	848.2
1981-82	44.7	55.3	471.4	4.7	262.5	880.2
1982-83	45.6	54.4	498.4	4.5	230.1	912.2
1983-84	47.1	52.9	523.7	4.9	195.9	954.0
1984-85	49.4	50.6	568.2	4.7	174.8	980.5
1985-86	50.8	49.2	599.3	4.7	161.8	1,008.5
1986-87	45.7	54.3	624.3	4.9	146.0	1,029.9
1987-88	58.7	41.3	622.8	4.9	107.8	865.0
1988-89	47.5	52.5	616.3	4.0	102.2	915.9
1989-90	49.2	50.8	702.1	5.5	87.5	938.4
1990-91	46.8	53.2	677.4	4.5	78.6	1,127.3
1991-92	45.2	54.8	684.5	..	71.7	1,220.0
1992-93	49.1	50.9	639.9	3.6	64.3	1,130.0
1993-94	52.5	47.5	650.1	4.4	58.2	1,203.0
1994-95	48.9	51.1	661.8	5.0	52.1	1,230.5
1995-96	48.7	51.3	693.5	2.7	42.5	1,336.9

Source: Digest of Welsh Statistics

- (a) The figures refer to the region which comprises Wales, Herefordshire, most of Shropshire and parts of Cheshire. Approximately 80% of the population of the region live in Wales. From 1987-88 the parcels posted figure excludes Clwyd, Gwynedd and Cheshire as these are now handled at Liverpool Parcels Office and cannot be separately identified.
- (b) From 1987-88 receiving licence figures relate solely to Wales and not Wales and the Marches as in previous years. Since the 1991-92 figures were provided some of the subscription services enquiry offices have amalgamated and moved their boundaries, including offices covering the Welsh region. The figures reflect this change and 1991-92 has been updated accordingly.

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5.11 British Telecommunications Services (a)

	Exchange connections (b)				Percentage exchange connections by technology		Total telephone stations (b)
	Business	Residential	Public telephones, call office and service	Total (c)	Digital and enhanced analogue	Analogue	
1973-74	163,530	379,225	6,431	554,932	..	..	867,474
1974-75	168,454	417,732	6,381	598,485	..	..	938,141
1975-76	170,341	456,875	6,477	639,874	..	..	996,831
1976-77	172,035	505,320	6,501	690,270	..	..	1,062,346
1977-78	175,710	569,457	6,494	758,386	..	..	1,154,310
1978-79	189,194	650,919	6,505	846,618	..	..	1,272,916
1979-80	197,635	738,782	6,512	942,929	..	..	1,398,611
1980-81	201,588	792,711	6,458	1,000,757	..	..	1,450,240
1981-82	203,766	833,109	6,433	1,043,308	..	..	1,492,656
1982-83	207,894	857,611	6,462	1,071,967	..	..	1,520,284
1983-84	214,273	888,803	6,438	1,109,514	..	..	1,549,757
1984-85	220,183	924,840	6,416	1,151,439	..	..	..
1985-86	230,485	960,049	6,497	1,197,031	..	..	..
1986-87	235,083	990,643	6,515	1,232,241	..	..	..
1987-88	255,259	1,029,506	6,536	1,291,301	..	..	..
1988-89	281,995	1,079,145	6,585	1,367,725	..	..	..
1989-90	311,244	1,119,946	6,820	1,428,010	..	..	..
1990-91	331,167	1,142,160	6,900	1,480,227	54	46	..
1991-92	341,830	1,153,768	7,167	1,502,765	63	37	..
1992-93	346,563	1,219,383	7,802	1,573,748	77	23	..
1993-94	366,286	1,268,993	8,168	1,643,447	92	8	..

- (a) Years ending 31 March. The figures refer to the telecommunications region which comprises Wales, parts of the administrative county of Hereford and Worcester, most of Shropshire and parts of Cheshire. Approximately 80% of the population of the region live in Wales.
- (b) At the end of the year, includes radiophones.
- (c) Includes service connection.
- (d) Including those met by takeover of existing installations, from 1986-87 no breakdown given.
- (e) From 1983-84 the number of persons employed is derived on a new basis and is therefore not comparable with earlier years.

5.11 (continued) British Telecommunications Services (a)

Exchange connections supplied		Dialled calls (Thousands)			Number of persons employed	Total capital expenditure (£ thousands)	
Business	Residence	Local	Inland	International			
(d)	(d)			trunk		(e)	
24,533	73,338	..	107,761	..	11,725	43,182	1973-74
24,884	73,743	..	116,123	..	12,409	49,459	1974-75
22,670	82,582	..	119,423	..	11,828	57,045	1975-76
20,167	93,176	..	126,062	..	11,467	58,111	1976-77
21,064	115,955	..	140,871	..	11,593	60,514	1977-78
23,552	135,010	..	159,476	..	12,225	71,600	1978-79
25,515	142,020	..	169,724	..	12,735	69,915	1979-80
28,236	130,439	..	175,172	..	12,611	93,310	1980-81
28,514	113,182	..	181,645	..	12,583	92,511	1981-82
30,616	110,370	..	192,173	..	12,566	65,912	1982-83
32,171	110,365	..	210,649	..	11,402	56,820	1983-84
..	..	..	..	..	..	..	1984-85
..	..	..	..	..	..	..	1985-86
34,193	69,363	..	..	..	10,026	..	1986-87
42,419	82,334	1,104,768	302,082	6,109	9,562	..	1987-88
47,935	81,084	1,128,528	342,872	7,744	9,916	..	1988-89
68,233	79,979	1,301,586	401,019	9,495	9,603	..	1989-90
64,307	66,461	1,221,366	440,388	10,232	8,809	..	1990-91
54,636	61,105	1,320,041	475,175	11,607	8,560	..	1991-92
51,426	65,511	1,320,184	462,802	14,617	8,307	..	1992-93
54,761	70,894	1,394,034	476,260	15,192	7,673	..	1993-94

Source: Digest of Welsh Statistics

TRANSPORT AND COMMUNICATION

5.12 Radio and Television

	Percentage of population served by BBC Wales transmitters		Television: hours of output (Network programmes) (a)				
	VHF 405 line transmitter	VHF 625 line BBC Wales transmitters	BBC1	BBC2	BBC Wales	Transmission on S4C	Total
	BBC1 Wales		(f)	(f)	(in English) (b)	(in Welsh) (c)	
1973-74	75.0	75.5	115	19	681	..	815
1974-75	75.0	81.5	94	25	634	53	803
1975-76	75.0	88.5	88	24	697	51	809
1976-77	75.0	93.1	74	34	693	53	801
1977-78	75.0	94.5	87	31	722	53	840
1978-79	75.0	92.8	67	28	739	50	834
1979-80	75.0	93.1	69	31	709	53	809
1980-81	75.0	92.1	81	37	808	55	926
1981-82	75.0	92.4	72	63	840	55	975
1982-83	71.8	93.2	52	30	697	264	1,043
1983-84	61.2	93.9	51	36	460	547	1,094
1984-85	-	94.3	41	37	421	567	1,066
1985-86	.	96.1	38	49	505	542	1,134
1986-87	.	96.1	29	40	485	526	1,080
1987-88	.	96.3	44	42	470	548	1,104
1988-89	.	96.3	23	45	510	525	1,103
1989-90	.	96.4	17	32	532	526	1,107
1990-91	.	96.4	18	39	499	507	1,063
1991-92	.	96.4	..	71	511	530	1,112
1992-93	.	96.4	..	82	522	519	1,123
1993-94	.	96.4	..	53	567	528	1,148
1994-95	.	96.4	..	22	553	525	1,100
1995-96	.	96.8	..	25	539	526	1,090
1996-97	.	96.8	..	25	583	533	1,141

- (a) These figures refer to the number of hours per annum of television and radio contributed by BBC Wales to the United Kingdom national network.
- (b) BBC Wales television hours of output exclude presentation hours which were included prior to 1990-91.
- (c) From November 1982 all BBC television programmes in Welsh were transmitted on the S4C network. Figures prior to 1982-3 refer to the per cent of BBC Wales only programmes which were in Welsh.
- (d) Radio Gwent ceased transmission from April 1991. Radio services were also provided by independent stations. Red Dragon Radio (Cardiff, Newport); Swansea Sound; Marcher Sound (Wrexham and Deeside); and some other smaller stations.
- (e) Since 1984 Welsh language programmes have been produced under the terms of a contract with Welsh Fourth Channel Authority.
- (f) From 1991-92, separate figures were not available for BBC1 and BBC2: the total is included in BBC2 column.
- (g) From 1996-97 total of Radio 1 and Radio 2.

5.12 (continued) Radio and Television

Radio: hours of output (Network programmes) (a)							HTV Cymru Wales: total hours broadcast (e)	
Radio 2	Radio 3	Radio 4	Radio 5	Radio Wales /Radio Cymru (d)	Community radio	Total		
12	139	35	.	1,694		1,880	..	1973-74
10	163	40	.	1,905		2,118	..	1974-75
10	173	38	.	2,342		2,563	..	1975-76
7	140	21	.	2,383		2,551	..	1976-77
6	147	22	.	2,902		3,077	..	1977-78
2	147	53	.	4,123		4,325	..	1978-79
4	136	53	.	6,417		6,611	..	1979-80
5	70	51	.	7,066		7,192	..	1980-81
4	74	38	.	7,110		7,226	5,386	1981-82
10	88	51	.	7,311		7,460	5,399	1982-83
15	83	61	.	7,649		7,808	5,441	1983-84
17	155	66	.	7,920		8,158	5,423	1984-85
18	157	72	.	8,600		8,847	5,382	1985-86
6	198	77	.	8,378	..	8,659	5,504	1986-87
4	221	45	.	8,811	..	9,081	5,659	1987-88
9	182	52	.	8,896	1,048	10,187	6,416	1988-89
7	212	44	.	9,054	..	9,317	8,760	1989-90
19	183	51	18	9,319	1,179	10,769	8,760	1990-91
11	192	48	102	9,726	601	10,680	8,760	1991-92
7	183	45	100	10,136	586	11,057	8,760	1992-93
14	209	58	93	10,034	357	10,765	8,760	1993-94
15	245	66	..	10,415	122	10,863	8,760	1994-95
23	296	57	..	10,811	122	11,309	8,760	1995-96
19 (g)	323	82	4	12,124	125	12,677	8,760	1996-97

Source: Digest of Welsh Statistics

5.13 S4C (Welsh Fourth Channel Authority)

	First transmission in Welsh supplied by:		Repeat transmissions in Welsh supplied by:		Hours
	BBC	HTV and independents	BBC	HTV and independents	First English transmissions and repeat transmissions by Channel 4
1982-83	252	290	-	-	938
1983-84	444	594	100	41	2,424
1984-85	495	626	57	108	2,460
1985-86	511	714	58	93	2,524
1986-87	467	673	85	108	3,031
1987-88	546	736	50	67	3,971
1988-89	507	779	105	98	4,488
1989-90	505	854	119	110	5,531
1990-91	488	950	100	126	5,477
1991-92 (a)	382	796	59	125	3,977
1992	524	901	25	205	5,405
1993	529	877	18	275	4,866
1994	519	961	94	179	5,041
1995	502	912	94	149	5,147
1996	536	905	118	118	5,492

Source: Digest of Welsh Statistics

(a) Figures for 1991-92 relate to a period of nine months ending 31 December 1991, and the following figures refer to calendar years.