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**SURVEY OF
MOTOR VEHICLE USAGE
TWELVE MONTHS ENDED
30 SEPTEMBER 1976**

CATALOGUE NO. 9208.0

AUSTRALIAN BUREAU OF STATISTICS Canberra

INQUIRIES

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CATALOGUE NO. 9208.0

NOON 8 SEPTEMBER 1978

**SURVEY OF MOTOR VEHICLE USAGE
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EXPLANATORY NOTES

Introduction

This bulletin presents final statistics of motor vehicle usage in Australia for the twelve month period ended 30 September 1976 and augments a preliminary bulletin issued in August 1977 (9202.0). The bulletin is divided into two parts, part A comprising final figures for the first seven tables published in the preliminary bulletin and part B containing additional, more detailed data. The data was collected by means of a sample survey conducted by the Australian Bureau of Statistics involving approximately 53,000 vehicle owners throughout Australia.

This is the third survey of motor vehicle usage to be conducted by the ABS. Previous surveys were conducted in 1963 and 1971 and this bulletin contains a number of summary tables comparing the results obtained in the three surveys.

As in the two previous surveys the information was collected by means of a mail recall survey with respondents being asked to provide information on the use of the selected motor vehicle for the relevant twelve month period, or that part for which they were the registered owner. Where the selected owner had not owned the vehicle for the whole of the survey year, the usage details provided for the period of ownership were pro-rated to a twelve month equivalent. The statistics therefore relate to the annual rate of usage of vehicles registered at the survey date of 30 September 1976 rather than the actual usage of all vehicles registered at any time during the year.

Two further publications, one providing more detailed statistics on the usage of commercial vehicles and the other containing accident exposure data, will be published later this year.

Scope

The population for the survey included all vehicles 'on register' in Australia at 30 September 1976 except for caravans, trailers, tractors, plant and equipment, vehicles belonging to the defence services and vehicles with diplomatic or consular plates. Buses were included in a separate survey the results of which will be published in a separate bulletin.

Survey population

Information was extracted from the registration systems of the Commonwealth and State motor vehicle registration authorities to obtain an initial population of approximately 6.6 million motor vehicles on register from which the sample for the survey was selected. For each State and Territory this population was then updated from the time the data was captured, to obtain a population of motor vehicles as at the survey reference date of 30 September 1976. This latter population was used to derive appropriate sample expansion factors.

Vehicle classification

The vehicle population was stratified according to the body type recorded by the registration authority with load carrying vehicles being further classified by tare weight. This further classification of the truck sector was considered necessary because of the markedly different usage patterns of trucks of various sizes.

This stratification differs from that used in the two previous surveys where commercial vehicles were classified by carrying capacity. This classification caused a number of problems which resulted mainly from its reliance on a variable (carrying capacity) which was not recorded at all in some registry systems or for certain vehicle types only in others. Tare weight, on the other hand, is readily available in nearly all registration documents and can therefore be expected to provide a more reliable and accurate basis for estimates of commercial motor vehicle usage.

Sample size

The survey involved a sample of approximately 53,000 vehicles across Australia. Eighty per cent of the total sample comprised 'commercial' vehicles (trucks, utilities, panel vans) and the remaining twenty percent cars, station wagons and motor cycles. The emphasis on 'commercial' vehicles was necessary because of the diverse usage characteristics of commercial vehicles and because the major interest of users is in road freight transport.

Method of collection

Postal questionnaires were despatched in September 1976. Two types of forms were used - a 'private' form sent mainly to owners of cars, station wagons and motor cycles and a 'commercial' form sent to owners of all other vehicle types. Owners of utilities and panel vans were sent both forms and asked to complete the form which was more relevant to the usage of their vehicle.

Examples of the questionnaires are included as appendices 1 and 2.

Separate forms were used for each State in order to obtain data on distances travelled within particular regions of each State.

Reliability of estimates

Since the statistics in the following tables are based on a sample, they may differ from the figures which would have been obtained from a complete census using the same questionnaire and procedures. One measure of the likely difference is given by the standard error, which provides a measure of the extent to which an estimate might have varied by chance because only a sample of vehicles and not the whole population was surveyed. In the statistics in this bulletin, the standard error is shown as a percentage of the associated estimate.

There are about two chances in three that a sample estimate will differ by less than one standard error from the figures that would have been obtained from a comparable complete enumeration, and about 19 chances in 20 that the difference will be less than two standard errors. For example in Table 4 the estimate of average annual kilometres for motor cycles registered in the A.C.T. is 5,400 with a standard error of 19 per cent of the estimate, that is, about 1,000. Therefore there are about two chances in three that the value which would have been obtained from a complete census will fall in the range 4,400 to 6,400 and about 19 chances in 20 that the value will fall within the range 3,400 to 7,400.

Some of the standard errors associated with the estimates contained in this bulletin are relatively high. However, any limit for publication purposes would have been arbitrary and it was therefore decided to publish the figures. In this situation it is important for users to check that the estimates are reliable enough for the particular purpose for which they require the statistics. For example estimates with standard errors exceeding 50 per cent of the estimate would not be reliable enough for most purposes. However, there may be situations in which such estimates are still of value and they have thus been included in this bulletin. In other situations it may be necessary for estimates to have standard errors of less than 10 per cent of the estimate for them to be reliable enough to use. It is left to the user to exercise the necessary caution in using the estimates in this bulletin.

The imprecision due to sampling variability, which is measured by the standard error, should not be confused with other inaccuracies such as those which may occur because of imperfections due to reporting by respondents. Inaccuracies of this latter kind are referred to as non-sampling errors and may occur in any enumeration whether it is a full count or a sample.

Comments on terms used

Average

For some tables showing data expressed as averages (namely those classified by purpose or area of operation) there is more than one concept of average which may be adopted, depending on the type of denominator used. The concept used in the published data from both the 1963 and 1971 surveys was the 'broad' average. This is defined as the average obtained by using as the denominator the estimated number of vehicles in the population of the relevant vehicle type and, in the case of State dissections, registered in the relevant State. This is the concept adopted in the average tables in part A of this bulletin.

A second concept, called the 'narrow' average is used in the relevant tables in part B. This is the average obtained by using as the denominator the estimated number of vehicles in the population which contributed to a particular cell. For example, in Table 11 of part B, average annual kilometres in a particular area has been

calculated by dividing total kilometres travelled in that area by the number of vehicles reporting travel in that area. As the denominators used to calculate each cell of a narrow average table are different, the sum of each of the average figures along a row will not equal the average figure in the final column, as is the case in broad average tables.

If 'broad' averages are required, they may be calculated by dividing each cell in the corresponding total table by the estimate of the population of each vehicle type shown in Table 24 of part B. Also the percentage standard error associated with any 'broad' average derived as outlined above can be closely approximated by taking the square root of the sum of the squares of the standard error percentages associated with the numerator (total) and denominator (number of vehicles) used to derive that 'broad' average. However, this method of approximation is reasonably accurate only in cases where the percentage standard error of the denominator is less than 20 per cent of the percentage standard error of the numerator.

Area of operation

Definitions of 'capital city' which apply for this Survey are set out below:

SYDNEY: This is defined as the Sydney Statistical Division and contains the area with the outer boundaries comprising the local government areas of Gosford and Wyong in the north, Baulkham Hills, Windsor, Colo and Blue Mountains in the West and Camden, Campbelltown, Wollondilly and Sutherland in the southwest and south.

MELBOURNE: This is defined as the Melbourne Statistical Division and includes the towns of Werribee, Sunbury, Craigieburn, Whittlesea, Healesville, Berwick and the whole of the Mornington Peninsula.

BRISBANE: This is defined as the Brisbane Statistical Division. It extends from Caboolture in the north to Beenleigh in the south, Redlands Shire in the east and west to include Ipswich and Pine Rivers (includes Redcliffe).

ADELAIDE: Consists of the area bounded in the north by a line drawn due east from the coast to Hamley Bridge and thence circling north of Kapunda to just west of Truro: in the east by the eastern fringe of the Mount Lofty Ranges as far as Callington, thence to the northern shore of Lake Alexandrina: and in the south and west by Lake Alexandrina and the coastline. Kangaroo Island is included in this area.

PERTH: This is defined as the Perth Statistical Division and is approximately the area between Yanchep in the north, Rockingham-Waikiki in the south and Woorloo in the east.

HOBART: This is defined as the Hobart Statistical Division and extends from New Norfolk in the west to Sorell and Carlton Creek in the east and from Brighton in the north to Snug in the south.

DARWIN: All that area within the 1½ mile peg : encompasses Darwin, Nightcliff, Casuarina, Sanderson, etc.

'Capital city' includes the A.C.T. for A.C.T. vehicles only.

PROVINCIAL URBAN: This includes centres apart from those already included in the capital city urban classification having populations greater than 40,000 in the 1971 Population and Housing Census, i.e.

N.S.W.: Newcastle, Wollongong and Port Kembla
 VIC : Geelong, Ballarat and Bendigo
 QLD : Gold Coast, Toowoomba, Rockhampton
 and Townsville
 TAS : Launceston

It also includes travel on the Stuart and Barkly highways for N.T. vehicles only.

Purpose classification

The 'purpose' classification is derived from information collected from the 'distance travelled' characteristics and where appropriate the 'load carried' sections of the questionnaires.

Business kilometres includes distance travelled for hire and reward, or charged to a business expense or for which an allowance was received (except for travel to and from work).

All distance travelled for business purposes of vehicles selected as cars, station wagons and motor cycles and of utilities and panel vans predominantly used for private purposes is included in 'total business kilometres'. The laden/unladen dissection of distance travelled for business purposes was collected for all remaining vehicle types.

Travel to and from work includes only travel between place of residence and place of work at the beginning and end of each work day. 'Paid' travel is that which is chargeable to a business expense or for which an allowance was received.

Vehicle usage

Details of type of vehicle usage (e.g. for hire and reward etc.) were asked only of those owners of vehicles selected to receive the questionnaire in appendix 2 (i.e. utilities and panel vans used commercially and trucks).

Industry served

Where a vehicle's usage was reported as 'used in own business', the industry served is the industry of the operator of the vehicle. Where the vehicle's usage was reported as 'carrying for hire and reward', the industry served is the industry of the main client. If there was no main client the industry served is shown as 'road transport'.

Total annual fuel consumption

This is the sum of the product of total kilometres and the reported average rate of fuel consumption (expressed in litres/100 kilometres) for each vehicle.

Average annual rate of fuel consumption

In the table showing average annual rate of fuel consumption, each figure shown has been calculated by dividing the total fuel consumption by total annual kilometres for vehicles of that class.

Total annual tonne-kilometres

This is the sum of the product of reported average load and total business kilometres travelled while loaded (laden business kilometres) for each vehicle.

Number of vehicles

To overcome differences in recording practices between the various State and Territory registration authorities, comparability of data between States has been achieved by classifying vehicles in the survey according to the body type and, where relevant, tare weight reported by respondents. Thus estimates of numbers of vehicles may differ from motor vehicle census figures, in which vehicles were classified according to registered body type.

Metropolitan

Includes all of those areas included within the definition of 'capital city' in the area of operation classification.

All publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

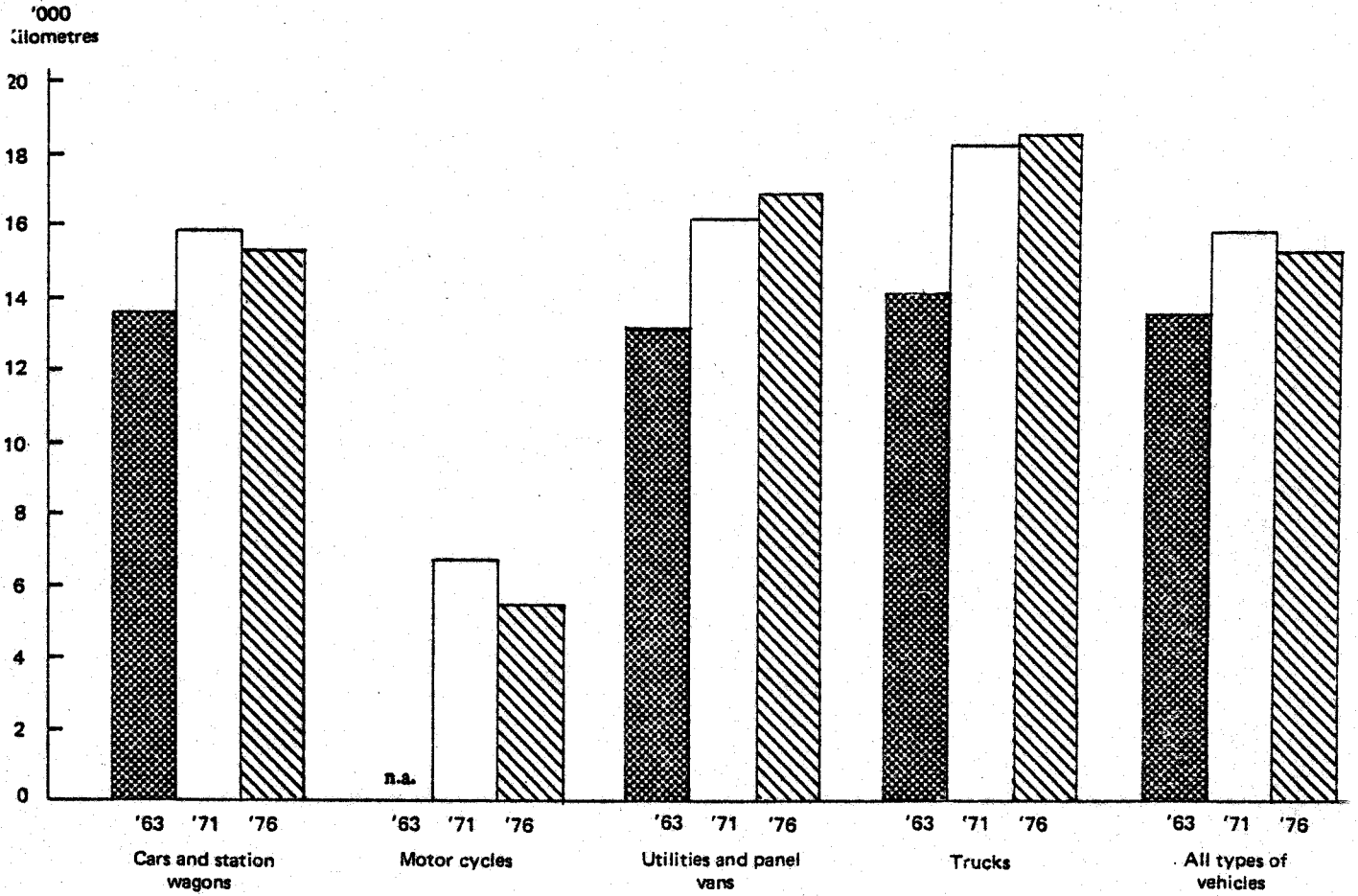
Symbols and other usages

- .. nil or less than half the final digit shown,
or not applicable
- n.a. not available
- S.E. standard error

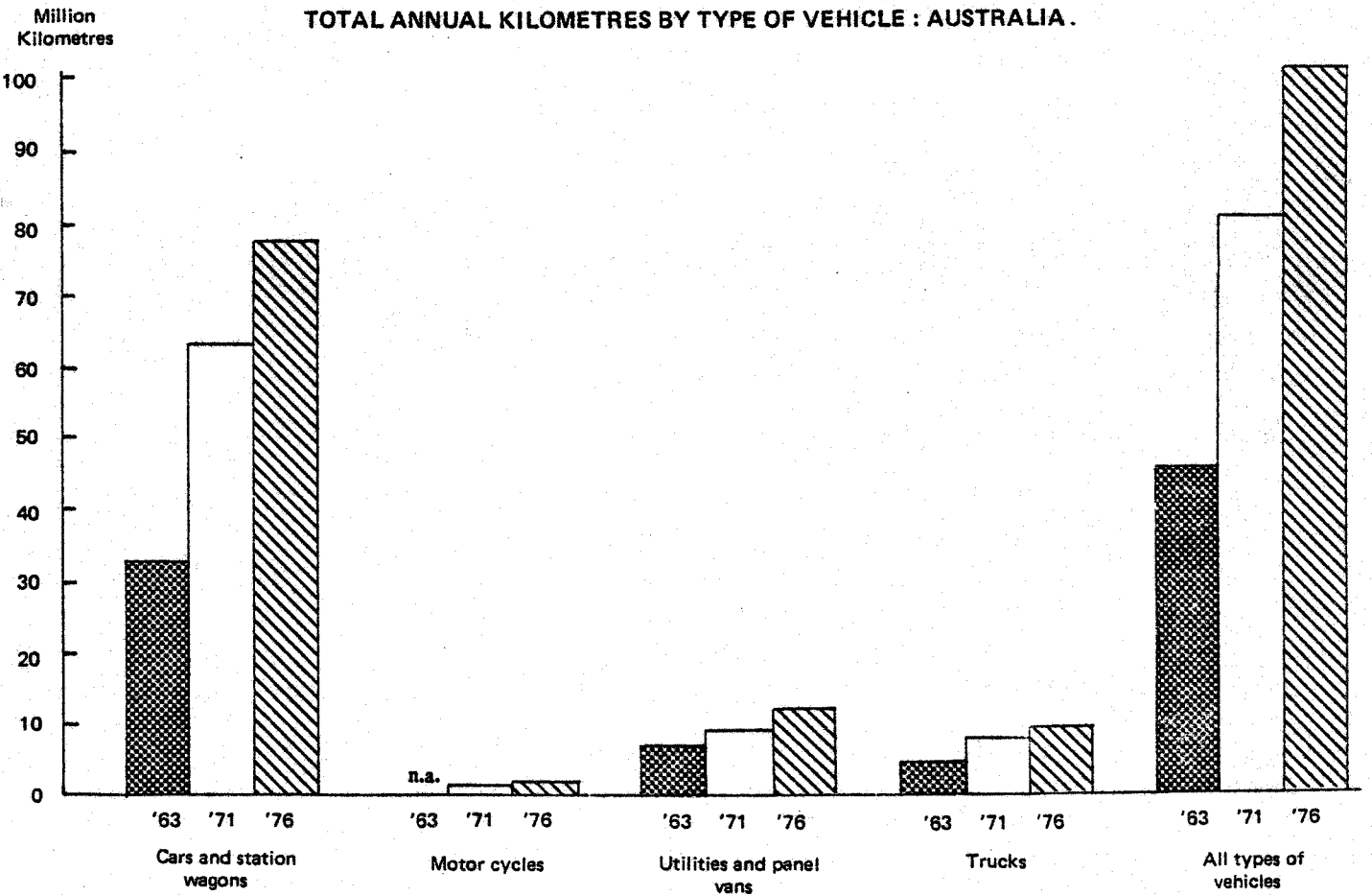
Any discrepancies between totals and sums of components in tables are due to rounding.

R. J. CAMERON
 Australian Statistician

AVERAGE ANNUAL KILOMETRES BY TYPE OF VEHICLE : AUSTRALIA



TOTAL ANNUAL KILOMETRES BY TYPE OF VEHICLE : AUSTRALIA .



PART A

**Tables containing averages in this part
use the "broad" average concept.**

**TABLE 1. AVERAGE ANNUAL KILOMETRES BY TYPE OF VEHICLE : AUSTRALIA
TWELVE MONTHS ENDED DECEMBER 1963, SEPTEMBER 1971, SEPTEMBER 1976**

<i>Type of vehicle</i>	<i>Year</i>					
	<i>1963</i>		<i>1971</i>		<i>1976</i>	
	<i>'000 kilometres</i>	<i>S.E. %</i>	<i>'000 kilometres</i>	<i>S.E. %</i>	<i>'000 kilometres</i>	<i>S.E. %</i>
Cars and station wagons	13.7	n.a.	15.9	(1.0)	15.4	(1.2)
Motor cycles	n.a.	n.a.	6.6	(3.2)	5.6	(5.4)
Utilities and panel vans	13.4	n.a.	16.2	(1.1)	16.9	(2.5)
Trucks	14.2	n.a.	18.3	(0.9)	18.5	(1.0)
All types of vehicles	13.7	n.a.	15.9	(0.8)	15.3	(1.0)

**TABLE 2. TOTAL ANNUAL KILOMETRES BY TYPE OF VEHICLE : AUSTRALIA
TWELVE MONTHS ENDED DECEMBER 1963, SEPTEMBER 1971, SEPTEMBER 1976**

<i>Type of vehicle</i>	<i>Year</i>					
	<i>1963</i>		<i>1971</i>		<i>1976</i>	
	<i>mil. kilometres</i>	<i>S.E. %</i>	<i>mil. kilometres</i>	<i>S.E. %</i>	<i>mil. kilometres</i>	<i>S.E. %</i>
Cars and station wagons	32,801.8	n.a.	63,801.9	(1.0)	78,531.0	(1.2)
Motor cycles	n.a.	n.a.	1,013.7	(3.3)	1,641.3	(5.4)
Utilities and panel vans	7,195.9	n.a.	8,567.3	(1.2)	12,289.9	(2.6)
Trucks	4,021.0	n.a.	7,668.2	(0.9)	8,457.0	(1.1)
All types of vehicles	44,018.7	n.a.	81,051.2	(0.8)	100,919.2	(1.0)

TABLE 3. AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE AND PURPOSE : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Purpose													
	Laden business		Unladen business		Total business (a)		Paid to and from work		Unpaid to and from work		Private		Total	
	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %
Cars and station wagons	..	..	..	..	3.1	(3.8)	0.5	(6.4)	3.2	(2.7)	8.7	(1.4)	15.4	(1.2)
Motor cycles	..	..	..	..	0.6	(13.9)	0.2	(21.1)	2.1	(7.9)	2.8	(8.1)	5.7	(5.3)
Utilities and panel vans	5.7	(5.3)	2.7	(8.1)	8.8	(4.5)	0.5	(19.4)	2.4	(7.1)	5.3	(6.2)	17.0	(2.5)
Rigid trucks	9.8	(1.6)	4.5	(2.1)	14.4	(1.5)	0.1	(10.1)	0.5	(6.3)	0.7	(7.4)	15.7	(1.4)
Articulated trucks	35.1	(1.1)	14.5	(1.2)	49.7	(1.0)	0.1	(11.2)	0.5	(4.9)	0.1	(14.4)	50.5	(0.8)
Other truck type vehicles	..	..	..	..	7.7	(15.9)	0.1	(32.7)	1.0	(13.6)	5.6	(10.7)	14.4	(5.4)
All trucks	11.4	(1.2)	5.1	(1.6)	17.0	(1.2)	0.1	(9.0)	0.5	(5.3)	1.0	(5.7)	18.7	(1.0)
All types of vehicles	n.a.	n.a.	n.a.	n.a.	4.5	(2.2)	0.4	(5.9)	2.9	(2.4)	7.5	(1.4)	15.4	(1.0)

(a) Includes business travel of non load carrying vehicles.

TABLE 4. AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE AND STATE OF REGISTRATION : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	State of registration																	
	N.S.W.		Vic.		Old		S.A.		W.A.		Tas.		N.T.		A.C.T.		Aust.	
	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %
Cars and station wagons	15.6	(2.6)	15.7	(2.3)	14.6	(2.2)	15.0	(1.9)	16.0	(2.4)	13.7	(2.6)	15.5	(5.8)	17.3	(4.1)	15.4	(1.2)
Motor cycles	5.2	(11.6)	6.8	(11.2)	5.3	(12.3)	6.1	(11.5)	5.8	(12.0)	8.0	(10.8)	9.3	(25.7)	5.4	(19.0)	5.7	(5.3)
Utilities and panel vans	16.3	(4.9)	18.5	(5.9)	17.4	(6.0)	15.0	(5.4)	16.7	(4.8)	14.1	(7.0)	17.8	(6.4)	23.0	(13.8)	17.0	(2.5)
Rigid trucks	15.9	(2.3)	16.0	(2.6)	15.0	(4.2)	14.3	(2.1)	17.1	(2.9)	15.4	(2.4)	18.7	(4.6)	22.0	(12.3)	15.7	(1.4)
Articulated trucks	52.2	(1.5)	45.8	(2.0)	35.7	(1.8)	72.4	(1.8)	49.4	(2.4)	48.4	(2.1)	51.1	(6.5)	73.1	(12.5)	50.5	(0.8)
Other truck type vehicles	16.6	(7.9)	11.8	(8.8)	18.7	(12.4)	11.6	(9.5)	10.9	(8.5)	10.7	(12.5)	8.1	(15.3)	10.9	(44.5)	14.4	(5.4)
All trucks	19.5	(1.7)	18.9	(1.9)	16.3	(3.6)	20.8	(1.4)	18.8	(2.4)	18.7	(2.1)	22.0	(3.7)	24.3	(10.5)	18.7	(1.0)
All types of vehicles	15.4	(2.1)	15.9	(2.0)	14.4	(1.9)	14.9	(1.6)	15.9	(1.9)	13.9	(2.2)	16.2	(3.9)	17.6	(3.8)	15.4	(1.0)

TABLE 5. AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE AND AREA OF OPERATION : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Area of operation																	
	Capital city (a)			Provincial urban (b)			Other areas of State or Territory			Total within State of registration			Interstate			Australia		
	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %		
Cars and station wagons	8.5	(1.8)	1.6	(3.4)	4.6	(2.2)	14.7	(1.2)	0.7	(4.3)	15.4	(1.2)	0.7	(4.3)	15.4	(1.2)		
Motor cycles	2.7	(7.8)	0.7	(17.3)	2.1	(8.4)	5.5	(5.4)	0.2	(23.1)	5.7	(5.3)	0.2	(23.1)	5.7	(5.3)		
Utilities and panel vans	7.3	(4.7)	2.0	(10.7)	6.9	(5.0)	16.2	(2.7)	0.7	(13.9)	17.0	(2.5)	0.7	(13.9)	17.0	(2.5)		
Rigid trucks	7.3	(2.1)	1.4	(9.9)	6.7	(1.9)	15.4	(1.5)	0.4	(7.5)	15.7	(1.4)	0.4	(7.5)	15.7	(1.4)		
Articulated trucks	10.9	(1.7)	4.1	(2.9)	22.5	(1.4)	37.6	(1.1)	12.9	(1.9)	50.5	(0.8)	12.9	(1.9)	50.5	(0.8)		
Other truck type vehicles	5.1	(12.3)	2.0	(31.9)	5.6	(16.0)	12.7	(11.0)	1.7	(12.5)	14.4	(5.4)	1.7	(12.5)	14.4	(5.4)		
All trucks	7.5	(1.9)	1.7	(7.4)	8.0	(1.6)	17.1	(1.3)	1.6	(2.2)	18.7	(1.0)	1.6	(2.2)	18.7	(1.0)		
All types of vehicles	8.0	(1.5)	1.6	(3.1)	5.0	(1.7)	14.6	(1.0)	0.8	(3.5)	15.4	(1.0)	0.8	(3.5)	15.4	(1.0)		

(a) Includes A.C.T. for A.C.T. vehicles. (b) Includes travel on the Stuart and Barkly highways for Northern Territory vehicles.

TABLE 6. AVERAGE ANNUAL KILOMETRES, BY PURPOSE : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

State of registration	Purpose																	
	Laden business			Unladen business			Total business (a)			Paid to and from work			Unpaid to and from work			Total		
	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %		
New South Wales	1.3	(5.3)	0.5	(6.2)	4.4	(4.8)	0.5	(12.0)	3.0	(5.2)	7.6	(2.9)	15.4	(2.1)	15.4	(2.1)		
Victoria	1.3	(4.5)	0.6	(10.5)	4.6	(4.6)	0.5	(10.7)	2.9	(5.1)	7.9	(2.7)	15.9	(2.0)	15.9	(2.0)		
Queensland	1.5	(6.6)	0.7	(7.7)	4.4	(4.7)	0.4	(13.9)	2.5	(4.3)	7.2	(2.8)	14.4	(1.9)	14.4	(1.9)		
South Australia	1.6	(3.8)	0.6	(7.5)	4.5	(3.9)	0.3	(12.2)	2.7	(3.7)	7.4	(2.4)	14.9	(1.6)	14.9	(1.6)		
Western Australia	1.7	(5.7)	1.0	(6.4)	5.3	(4.5)	0.3	(14.4)	3.1	(4.5)	7.2	(3.0)	15.9	(1.9)	15.9	(1.9)		
Tasmania	1.2	(5.5)	0.6	(7.8)	3.9	(5.3)	0.4	(16.0)	2.5	(5.3)	7.1	(3.1)	13.9	(2.2)	13.9	(2.2)		
Northern Territory	3.3	(7.7)	1.2	(9.3)	7.0	(23.6)	0.5	(7.5)	2.1	(7.1)	6.6	(7.1)	16.2	(3.9)	16.2	(3.9)		
Australian Capital Territory	1.4	(23.9)	0.5	(28.3)	4.2	(13.2)	0.8	(21.5)	4.1	(7.3)	8.5	(5.5)	17.6	(3.8)	17.6	(3.8)		
Australia	1.4	(2.4)	0.6	(3.8)	4.5	(2.2)	0.4	(5.9)	2.9	(2.4)	7.5	(1.4)	15.4	(1.0)	15.4	(1.0)		

(a) Includes business travel of non load carrying vehicles.

TABLE 7. AVERAGE ANNUAL KILOMETRES, BY AREA OF OPERATION : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

State of registration	Area of operation																	
	Capital city (a)			Provincial urban (b)			Other areas of State or Territory			Total within State of registration			Interstate			Australia		
	'000 kilometres	S.E. %	(S.E. %)	'000 kilometres	S.E. %	(S.E. %)	'000 kilometres	S.E. %	(S.E. %)	'000 kilometres	S.E. %	(S.E. %)	'000 kilometres	S.E. %	(S.E. %)	'000 kilometres	S.E. %	(S.E. %)
New South Wales	8.1	(3.5)	(2.7)	1.9	(5.1)	(5.1)	4.7	(3.3)	(4.2)	14.7	(2.2)	(2.2)	0.7	(7.4)	(7.4)	15.4	(2.1)	(2.1)
Victoria	8.6	(2.7)	(3.6)	1.6	(6.8)	(6.8)	4.8	(4.2)	(4.2)	15.0	(2.0)	(2.0)	0.9	(7.2)	(7.2)	15.9	(2.0)	(2.0)
Queensland	5.5	(3.6)	(2.2)	2.7	(5.2)	(5.2)	5.6	(3.9)	(3.9)	13.8	(1.9)	(1.9)	0.6	(8.3)	(8.3)	14.4	(1.9)	(1.9)
South Australia	9.2	(2.2)	(2.8)	..	..	..	4.7	(3.7)	(3.7)	14.0	(1.7)	(1.7)	1.0	(5.1)	(5.1)	14.9	(1.6)	(1.6)
Western Australia	9.4	(2.8)	(4.7)	..	..	..	6.2	(4.0)	(4.0)	15.6	(1.9)	(1.9)	0.3	(17.1)	(17.1)	15.9	(1.9)	(1.9)
Tasmania	4.4	(4.7)	(6.0)	2.2	(7.2)	(7.2)	7.0	(3.5)	(3.5)	13.5	(2.2)	(2.2)	0.3	(28.2)	(28.2)	13.9	(2.2)	(2.2)
Northern Territory	7.7	(6.0)	(4.3)	3.2	(10.5)	(10.5)	4.2	(7.7)	(7.7)	15.1	(4.1)	(4.1)	1.1	(14.5)	(14.5)	16.2	(3.9)	(3.9)
Australian Capital Territory	13.1	(4.3)	(1.5)	..	..	..	..	..	..	13.1	(4.3)	(4.3)	4.5	(7.8)	(7.8)	17.6	(3.8)	(3.8)
Australia	8.0	(1.5)	(3.1)	1.6	(3.1)	(3.1)	5.0	(1.7)	(1.7)	14.6	(1.0)	(1.0)	0.8	(3.5)	(3.5)	15.4	(1.0)	(1.0)

(a) Includes A.C.T. for A.C.T. vehicles. (b) Includes travel on the Stuart and Barkly highways for Northern Territory vehicles.

PART B

**Tables containing averages in this part
use the "narrow" average concept.**

TABLE 8. TOTAL ANNUAL KILOMETRES, BY STATE OF OPERATION : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

State of registration	State of operation																	
	N.S.W.		Vic.		Qld		S.A.		W.A.		Tas.		N.T.		A.C.T.		Aust.	
	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %
New South Wales	32,136.2	(2.2)	589.9	(11.4)	465.0	(13.3)	176.4	(23.6)	13.5	(34.6)	2.7	*(84.9)	18.6	*(82.7)	305.1	(13.4)	33,707.6	(2.1)
Victoria	914.2	(8.4)	26,780.3	(2.0)	212.4	(13.4)	280.9	(11.9)	77.2	(43.6)	14.1	(46.5)	21.0	(46.3)	62.5	(40.1)	28,362.6	(2.0)
Queensland	490.5	(8.6)	59.8	(16.6)	13,947.6	(1.9)	20.1	(32.6)	27.8	(35.9)	4.2	*(73.2)	32.3	(43.9)	3.2	(31.5)	14,586.5	(1.9)
South Australia	233.5	(6.9)	280.2	(6.6)	53.7	(11.7)	9,008.3	(1.7)	32.3	(26.5)	1.7	*(64.9)	28.5	(38.3)	6.8	*(53.9)	9,645.0	(1.6)
Western Australia	32.4	(25.5)	20.5	(24.7)	19.1	(36.2)	66.7	(20.4)	9,413.3	(1.9)	..	..	24.5	(29.9)	5.0	*(52.8)	9,581.4	(1.9)
Tasmania	20.3	*(64.0)	17.1	(24.7)	4.5	(33.3)	10.8	(30.5)	10.2	(35.7)	2,738.3	(2.2)	0.3	*(99.7)	1.0	*(83.8)	2,802.5	(2.3)
Northern Territory	6.6	(31.9)	3.5	(39.3)	13.2	(19.1)	6.5	(21.4)	7.7	(35.3)	0.1	*(99.3)	515.5	(4.1)	0.1	*(83.2)	553.2	(3.9)
Australian Capital Territory	353.7	(8.0)	40.2	(22.2)	14.2	(26.4)	13.5	(29.1)	4.3	*(57.7)	..	..	..	..	1,254.4	(4.3)	1,680.4	(3.8)
Australia	34,187.5	(2.1)	27,791.5	(2.0)	14,729.7	(1.9)	9,584.2	(1.7)	9,586.3	(1.9)	2,761.2	(2.2)	640.6	(5.3)	1,638.0	(4.4)	100,919.2	(1.0)

TABLE 9. AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	State of registration																	
	N.S.W.		Vic.		Qld		S.A.		W.A.		Tas.		N.T.		A.C.T.		Aust.	
	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %
Cars and station wagons	15.6	(2.6)	15.7	(2.3)	14.6	(2.2)	15.0	(1.9)	16.0	(2.4)	13.7	(2.6)	15.5	(5.8)	17.3	(4.1)	15.4	(1.2)
Motor cycles	5.2	(11.6)	6.8	(11.2)	5.3	(12.3)	6.1	(11.5)	5.8	(12.0)	8.0	(10.8)	9.3	(25.7)	5.4	(19.0)	5.7	(5.3)
Utilities and panel vans	16.3	(4.9)	18.5	(5.9)	17.4	(6.0)	15.0	(5.4)	16.7	(4.8)	14.1	(7.1)	17.8	(6.4)	23.0	(13.8)	17.0	(2.5)
Rigid trucks; tare weight less than 3 tonnes	14.7	(3.9)	14.5	(4.7)	15.9	(5.9)	12.6	(3.5)	17.4	(5.4)	12.3	(4.6)	17.1	(8.5)	20.4	(17.2)	15.1	(2.4)
3 and less than 4 tonnes	13.0	(4.3)	13.5	(5.2)	10.3	(5.5)	10.7	(3.9)	11.5	(4.8)	12.6	(6.8)	15.9	(6.9)	31.7	(25.1)	12.4	(2.4)
4 tonnes and over	20.6	(2.8)	21.7	(2.6)	14.9	(4.5)	19.8	(3.2)	19.7	(3.4)	21.8	(2.7)	22.2	(6.4)	20.9	(15.0)	19.5	(1.4)
Total rigid	15.9	(2.3)	16.0	(2.6)	15.0	(4.2)	14.3	(2.1)	17.1	(2.9)	15.4	(2.4)	18.7	(4.6)	22.0	(12.3)	15.7	(1.4)
Articulated trucks; tare weight less than 9 tonnes	30.1	(3.3)	27.4	(3.4)	16.0	(4.9)	25.8	(2.8)	32.8	(5.7)	35.8	(4.3)	37.8	(10.8)	50.4	(47.5)	27.7	(1.9)
9 and less than 11 tonnes	50.3	(2.8)	55.3	(2.4)	31.6	(4.2)	55.4	(3.7)	44.8	(4.8)	52.0	(2.6)	50.4	(11.3)	65.4	(21.1)	48.9	(1.5)
11 tonnes and over	65.3	(1.9)	79.2	(2.2)	51.8	(2.0)	94.3	(2.2)	66.8	(2.8)	64.6	(2.4)	69.3	(9.8)	88.5	(11.8)	71.1	(1.0)
Total articulated	52.2	(1.5)	45.8	(2.0)	35.7	(1.8)	72.4	(1.8)	49.4	(2.4)	48.4	(2.1)	51.1	(6.5)	73.1	(12.5)	50.5	(0.8)
Other truck type vehicles	16.6	(7.9)	11.8	(8.8)	18.7	(12.4)	11.6	(9.5)	10.9	(8.5)	10.7	(12.5)	8.1	(15.3)	10.9	(44.5)	14.4	(5.4)
All trucks	19.5	(1.7)	18.9	(1.9)	16.3	(3.6)	20.8	(1.4)	18.8	(2.4)	18.7	(2.1)	22.0	(3.7)	24.3	(10.5)	18.7	(1.0)
All types of vehicles	15.4	(2.1)	15.9	(2.0)	14.4	(1.9)	14.9	(1.6)	15.9	(1.9)	13.9	(2.2)	16.2	(3.9)	17.6	(3.8)	15.4	(1.0)

* Published for completeness, note high standard error.

TABLE 10. TOTAL AND AVERAGE ANNUAL KILOMETRES, BY AREA OF OPERATION : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

State of registration	Area of operation																		
	Capital city (a)			Provincial urban (b)			Other areas of State or Territory			Total within State of registration			Interstate			Australia			
	mil. kilometres	S.E. %		mil. kilometres	S.E. %		mil. kilometres	S.E. %		mil. kilometres	S.E. %		mil. kilometres	S.E. %		mil. kilometres	S.E. %		
	TOTAL ANNUAL KILOMETRES																		
New South Wales	17,572.9	(3.5)	4,231.8	(5.1)	10,331.0	(3.3)	32,136.1	(2.2)	1,571.3	(7.4)	33,707.6	(2.1)	1,571.3	(7.4)	33,707.6	(2.1)	1,571.3	(7.4)	33,707.6
Victoria	15,409.1	(2.7)	2,770.6	(6.8)	8,600.2	(4.2)	26,780.3	(2.0)	1,582.2	(7.2)	28,362.6	(2.0)	1,582.2	(7.2)	28,362.6	(2.0)	1,582.2	(7.2)	28,362.6
Queensland	5,561.8	(3.6)	2,769.8	(5.2)	5,615.8	(3.9)	13,947.5	(1.9)	638.9	(8.3)	14,586.5	(1.9)	638.9	(8.3)	14,586.5	(1.9)	638.9	(8.3)	14,586.5
South Australia	5,967.1	(2.2)	..	3,041.1	..	3,041.1	(3.7)	9,008.3	(1.7)	636.7	(5.1)	9,645.0	(1.6)	636.7	(5.1)	9,645.0	(1.6)	636.7	(5.1)
Western Australia	5,669.1	(2.8)	..	3,744.1	..	3,744.1	(4.0)	9,413.3	(1.9)	168.1	(17.1)	9,581.4	(1.9)	168.1	(17.1)	9,581.4	(1.9)	168.1	(17.1)
Tasmania	883.3	(4.7)	444.5	(7.2)	1,403.7	(3.5)	2,732.0	(2.2)	64.2	(28.2)	2,802.5	(2.3)	64.2	(28.2)	2,802.5	(2.3)	64.2	(28.2)	2,802.5
Northern Territory	262.5	(6.0)	109.8	(10.4)	143.2	(7.7)	515.5	(4.1)	37.7	(14.5)	553.2	(3.9)	37.7	(14.5)	553.2	(3.9)	37.7	(14.5)	553.2
Australian Capital Territory	1,254.4	(4.3)	..	..	..	..	1,254.4	(4.3)	426.0	(7.8)	1,680.4	(3.8)	426.0	(7.8)	1,680.4	(3.8)	426.0	(7.8)	1,680.4
Australia	52,580.2	(1.5)	10,326.5	(3.1)	32,879.1	(1.7)	95,787.4	(1.0)	5,125.0	(3.5)	100,919.2	(1.0)	5,125.0	(3.5)	100,919.2	(1.0)	5,125.0	(3.5)	100,919.2
	AVERAGE ANNUAL KILOMETRES																		
New South Wales	11.1	(3.5)	5.5	(4.8)	8.2	(3.2)	14.8	(2.2)	3.0	(6.6)	15.4	(2.1)	3.0	(6.6)	15.4	(2.1)	3.0	(6.6)	15.4
Victoria	10.6	(2.5)	4.5	(6.1)	7.7	(3.8)	15.0	(2.0)	4.3	(6.0)	15.9	(2.0)	4.3	(6.0)	15.9	(2.0)	4.3	(6.0)	15.9
Queensland	9.2	(3.1)	5.7	(4.6)	9.8	(3.3)	13.8	(1.9)	3.9	(6.5)	14.4	(1.9)	3.9	(6.5)	14.4	(1.9)	3.9	(6.5)	14.4
South Australia	10.9	(2.1)	..	7.5	..	7.5	(3.3)	14.0	(1.7)	5.7	(4.4)	14.9	(1.6)	5.7	(4.4)	14.9	(1.6)	5.7	(4.4)
Western Australia	11.3	(2.6)	..	9.8	..	9.8	(3.5)	15.6	(1.9)	7.5	(11.2)	15.9	(1.9)	7.5	(11.2)	15.9	(1.9)	7.5	(11.2)
Tasmania	7.6	(4.1)	5.1	(6.6)	8.9	(3.2)	13.6	(2.2)	7.0	(25.3)	13.9	(2.2)	7.0	(25.3)	13.9	(2.2)	7.0	(25.3)	13.9
Northern Territory	11.1	(5.4)	6.2	(9.7)	8.3	(6.7)	15.1	(4.0)	8.5	(10.1)	16.2	(3.9)	8.5	(10.1)	16.2	(3.9)	8.5	(10.1)	16.2
Australian Capital Territory	13.2	(4.3)	..	..	..	..	13.2	(4.3)	6.1	(7.0)	17.6	(3.8)	6.1	(7.0)	17.6	(3.8)	6.1	(7.0)	17.6
Australia	10.7	(1.5)	5.2	(2.9)	8.4	(1.6)	14.6	(1.0)	4.0	(3.1)	15.4	(1.0)	4.0	(3.1)	15.4	(1.0)	4.0	(3.1)	15.4

(a) Includes A.C.T. for A.C.T. vehicles. (b) Includes travel on the Stuart and Barkly highways for Northern Territory vehicles.

TABLE 11. TOTAL AND AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE AND AREA OF OPERATION : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Area of operation																	
	Capital city (a)			Provincial urban (b)			Other areas of State or Territory			Total within State of registration			Interstate			Australia		
	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %		
TOTAL ANNUAL KILOMETRES																		
Cars and station wagons	43,122.6	(1.8)	7,920.7	(3.4)	23,668.9	(2.2)	74,713.3	(1.2)	3,811.1	(4.3)	78,531.0	(1.2)	3,811.1	(4.3)	78,531.0	(1.2)		
Motor cycles	784.6	(7.8)	187.1	(17.3)	602.5	(8.3)	1,574.6	(5.3)	66.7	(23.1)	1,641.3	(5.4)	66.7	(23.1)	1,641.3	(5.4)		
Utilities and panel vans	5,296.2	(4.7)	1,468.4	(10.7)	4,984.8	(4.9)	11,749.5	(2.6)	540.4	(13.9)	12,289.9	(2.6)	540.4	(13.9)	12,289.9	(2.6)		
Rigid trucks; tare weight less than 3 tonnes	1,421.6	(3.7)	303.5	(16.8)	1,343.6	(3.2)	3,068.7	(2.5)	46.3	(13.8)	3,114.9	(2.5)	46.3	(13.8)	3,114.9	(2.5)		
3 and less than 4 tonnes	510.0	(3.9)	75.0	(10.2)	339.4	(3.8)	924.4	(2.6)	16.4	(19.5)	940.8	(2.6)	16.4	(19.5)	940.8	(2.6)		
4 tonnes and over	860.8	(2.3)	150.2	(5.2)	880.5	(2.2)	1,891.5	(1.4)	84.5	(9.9)	1,976.1	(1.5)	84.5	(9.9)	1,976.1	(1.5)		
<i>Total rigid</i>	2,792.4	(2.1)	528.7	(9.9)	2,563.5	(1.9)	5,884.6	(1.4)	147.1	(7.5)	6,031.8	(1.4)	147.1	(7.5)	6,031.8	(1.4)		
Articulated trucks; tare weight less than 9 tonnes	124.4	(3.1)	27.6	(5.1)	188.5	(2.8)	340.5	(2.0)	36.6	(5.9)	377.2	(2.0)	36.6	(5.9)	377.2	(2.0)		
9 and less than 11 tonnes	113.8	(3.3)	43.5	(6.3)	227.7	(2.5)	385.0	(2.0)	114.5	(3.7)	499.5	(1.9)	114.5	(3.7)	499.5	(1.9)		
11 tonnes and over	196.8	(2.5)	92.8	(3.9)	479.1	(1.8)	768.7	(1.3)	359.6	(2.3)	1,128.3	(1.2)	359.6	(2.3)	1,128.3	(1.2)		
<i>Total articulated</i>	435.1	(1.6)	163.8	(2.9)	895.3	(1.2)	1,494.2	(0.9)	510.7	(1.8)	2,005.0	(0.8)	510.7	(1.8)	2,005.0	(0.8)		
Other truck type vehicles	149.4	(11.2)	57.9	(31.5)	164.0	(15.1)	371.3	(9.7)	48.9	(11.4)	420.2	(8.7)	48.9	(11.4)	420.2	(8.7)		
<i>All trucks</i>	3,376.8	(1.8)	750.4	(7.4)	3,622.8	(1.5)	7,750.0	(1.2)	706.7	(2.2)	8,457.0	(1.1)	706.7	(2.2)	8,457.0	(1.1)		
All types of vehicles	52,580.2	(1.5)	10,326.5	(3.1)	32,879.1	(1.7)	95,787.4	(1.0)	5,125.0	(3.5)	100,919.2	(1.0)	5,125.0	(3.5)	100,919.2	(1.0)		
AVERAGE ANNUAL KILOMETRES																		
Type of vehicle	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %		
Cars and station wagons	10.4	(1.7)	4.7	(3.2)	7.8	(2.0)	14.7	(1.2)	3.4	(3.7)	15.4	(1.2)	3.4	(3.7)	15.4	(1.2)		
Motor cycles	5.2	(6.7)	3.4	(14.6)	3.9	(7.2)	5.5	(5.3)	3.3	(19.3)	5.7	(5.3)	3.3	(19.3)	5.7	(5.3)		
Utilities and panel vans	12.6	(3.8)	8.4	(8.4)	11.4	(4.2)	16.3	(2.5)	5.6	(11.2)	17.0	(2.5)	5.6	(11.2)	17.0	(2.5)		
Rigid trucks; tare weight less than 3 tonnes	15.1	(3.0)	9.8	(16.3)	11.1	(2.7)	14.9	(2.4)	4.5	(11.3)	15.1	(2.4)	4.5	(11.3)	15.1	(2.4)		
3 and less than 4 tonnes	14.9	(3.0)	9.2	(8.6)	7.5	(3.2)	12.2	(2.3)	5.2	(17.5)	12.4	(2.4)	5.2	(17.5)	12.4	(2.4)		
4 tonnes and over	16.6	(1.9)	11.0	(4.3)	14.7	(2.0)	18.7	(1.3)	14.0	(9.0)	19.5	(1.4)	14.0	(9.0)	19.5	(1.4)		
<i>Total rigid</i>	15.5	(1.7)	10.0	(9.5)	11.3	(1.6)	15.4	(1.4)	7.5	(6.9)	15.7	(1.4)	7.5	(6.9)	15.7	(1.4)		
Articulated trucks; tare weight less than 9 tonnes	16.9	(2.3)	10.9	(4.2)	21.0	(2.6)	25.1	(1.9)	19.7	(4.9)	27.7	(1.9)	19.7	(4.9)	27.7	(1.9)		
9 and less than 11 tonnes	17.3	(2.7)	15.8	(5.5)	31.7	(2.0)	38.2	(1.6)	33.6	(3.1)	48.9	(1.5)	33.6	(3.1)	48.9	(1.5)		
11 tonnes and over	18.7	(2.1)	20.1	(3.4)	41.1	(1.4)	49.9	(1.1)	54.7	(1.9)	71.1	(1.0)	54.7	(1.9)	71.1	(1.0)		
<i>Total articulated</i>	17.8	(1.4)	16.5	(2.5)	32.2	(1.1)	38.3	(0.9)	43.1	(1.6)	50.5	(0.8)	43.1	(1.6)	50.5	(0.8)		
Other truck type vehicles	8.5	(8.4)	7.4	(22.4)	7.8	(11.5)	12.8	(6.2)	6.9	(9.3)	14.4	(5.4)	6.9	(9.3)	14.4	(5.4)		
<i>All trucks</i>	15.2	(1.5)	10.7	(6.9)	13.1	(1.3)	17.2	(1.1)	18.3	(2.7)	18.7	(1.0)	18.3	(2.7)	18.7	(1.0)		
All types of vehicles	10.7	(1.5)	5.2	(2.9)	8.4	(1.6)	14.6	(1.0)	4.0	(3.1)	15.4	(1.0)	4.0	(3.1)	15.4	(1.0)		

(a) Includes A.C.T. for A.C.T. vehicles. (b) Includes travel on the Stuart and Barkly highways for Northern Territory vehicles.

TABLE 12. TOTAL AND AVERAGE ANNUAL KILOMETRES, BY PURPOSE : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

State of registration	Purpose													
	Laden business		Unladen business		Total business (a)		Paid to and from work		Unpaid to and from work		Private		Total	
	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %
TOTAL ANNUAL KILOMETRES														
New South Wales	2,770.2	(5.3)	1,168.9	(6.2)	9,568.6	(4.8)	1,006.2	(12.0)	6,551.6	(5.2)	16,570.3	(2.9)	33,707.6	(2.1)
Victoria	2,407.3	(4.5)	1,156.3	(10.5)	8,254.5	(4.6)	918.6	(10.7)	5,155.4	(5.1)	14,033.8	(2.7)	28,362.6	(2.0)
Queensland	1,494.0	(6.6)	710.6	(7.7)	4,447.2	(4.7)	372.3	(13.9)	2,504.1	(4.3)	7,262.7	(2.8)	14,586.5	(1.9)
South Australia	1,062.1	(3.8)	378.0	(7.5)	2,927.3	(3.9)	221.4	(12.2)	1,726.3	(3.7)	4,770.0	(2.4)	9,645.0	(1.6)
Western Australia	1,047.6	(5.7)	595.2	(6.4)	3,206.5	(4.5)	175.7	(14.4)	1,876.8	(4.5)	4,322.3	(3.0)	9,581.4	(1.9)
Tasmania	240.0	(5.5)	130.5	(7.8)	785.2	(5.3)	87.4	(16.0)	504.4	(5.3)	1,424.6	(3.1)	2,802.5	(2.3)
Northern Territory	112.3	(7.7)	40.1	(9.3)	238.9	(7.4)	15.6	(23.6)	72.4	(7.5)	225.7	(7.1)	553.2	(3.9)
Australian Capital Territory	129.3	(23.9)	49.5	(28.3)	400.2	(13.2)	78.4	(21.5)	392.9	(7.3)	808.9	(5.5)	1,680.4	(3.8)
Australia	9,262.7	(2.4)	4,229.3	(3.8)	29,828.5	(2.2)	2,875.6	(5.9)	18,783.9	(2.4)	49,418.2	(1.4)	100,919.2	(1.0)
AVERAGE ANNUAL KILOMETRES														
New South Wales	11.9	(4.0)	6.3	(5.2)	14.0	(3.8)	5.0	(9.0)	6.1	(4.5)	9.1	(2.8)	15.4	(2.1)
Victoria	12.6	(3.5)	7.8	(9.3)	13.6	(3.8)	5.0	(8.3)	6.3	(4.5)	9.7	(2.5)	15.9	(2.0)
Queensland	11.3	(5.3)	6.6	(6.0)	13.7	(3.8)	4.3	(11.4)	5.0	(3.6)	9.0	(2.6)	14.4	(1.9)
South Australia	13.5	(3.2)	6.4	(6.5)	13.5	(3.1)	4.9	(9.1)	5.2	(3.1)	9.0	(2.3)	14.9	(1.6)
Western Australia	11.7	(4.7)	7.7	(5.2)	14.2	(3.6)	3.9	(11.0)	6.3	(3.7)	9.1	(2.9)	15.9	(1.9)
Tasmania	10.4	(4.2)	7.1	(6.3)	12.7	(4.4)	4.5	(13.6)	5.2	(4.5)	8.6	(2.9)	13.9	(2.2)
Northern Territory	13.9	(6.5)	7.6	(7.3)	16.0	(6.3)	5.5	(18.1)	4.6	(6.0)	9.7	(6.6)	16.2	(3.9)
Australian Capital Territory	17.7	(18.1)	8.4	(20.1)	14.0	(10.7)	7.3	(14.3)	6.0	(5.9)	10.2	(5.0)	17.6	(3.8)
Australia	12.1	(1.9)	7.0	(3.3)	13.8	(1.8)	4.8	(4.5)	5.8	(2.1)	9.2	(1.3)	15.4	(1.0)

(a) Includes business travel of non load carrying vehicles.

TABLE 13. TOTAL AND AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE AND PURPOSE : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Laden business						Unladen business						Total business (a)						Purpose									
	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %	mil. kilometres	S.E. %		
TOTAL KILOMETRES																												
Cars and station wagons	..	..	..	..	15,584.3	(3.8)	2,434.5	(6.4)	16,196.7	(2.7)	44,304.0	(1.4)	78,531.0	(1.2)	..	..	..	..	..	..	..	..	..	..	..	..	..
Motor cycles	..	..	..	..	171.8	(13.9)	46.7	(21.1)	610.8	(7.9)	811.9	(8.1)	1,641.3	(5.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
Utilities and panel vans	4,097.9	(5.2)	1,919.9	(8.1)	6,368.5	(4.5)	335.7	(19.4)	1,730.8	(7.1)	3,854.8	(6.2)	12,289.9	(2.6)	..	..	..	..	..	..	..	..	..	..	..	..	..
Rigid trucks; tare weight less than 3 tonnes	1,883.6	(2.7)	791.6	(4.2)	2,676.3	(2.8)	36.1	(13.2)	145.7	(8.2)	256.1	(8.0)	3,114.9	(2.5)	..	..	..	..	..	..	..	..	..	..	..	..	..
3 and less than 4 tonnes	636.4	(2.8)	271.2	(3.4)	908.8	(2.7)	6.1	(27.9)	16.6	(12.3)	9.3	(12.9)	940.8	(2.6)	..	..	..	..	..	..	..	..	..	..	..	..	..
4 tonnes and over	1,249.2	(1.7)	668.9	(1.7)	1,920.6	(1.5)	9.0	(11.8)	32.8	(5.9)	13.3	(8.5)	1,976.1	(1.5)	..	..	..	..	..	..	..	..	..	..	..	..	..
Total rigid	3,769.2	(1.5)	1,731.8	(2.1)	5,505.6	(1.5)	51.2	(10.1)	195.1	(6.3)	278.7	(7.4)	6,031.8	(1.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
Articulated trucks; tare weight less than 9 tonnes	237.7	(2.1)	130.4	(2.4)	368.6	(2.0)	1.7	(20.8)	5.4	(8.4)	1.5	(18.3)	377.2	(2.0)	..	..	..	..	..	..	..	..	..	..	..	..	..
9 and less than 11 tonnes	349.3	(2.0)	143.5	(2.3)	493.1	(1.9)	1.4	(20.8)	4.0	(9.5)	0.8	(17.2)	499.5	(1.9)	..	..	..	..	..	..	..	..	..	..	..	..	..
11 tonnes and over	808.6	(1.3)	303.8	(1.5)	1,113.0	(1.2)	1.8	(16.8)	11.6	(7.3)	1.9	(27.5)	1,128.3	(1.2)	..	..	..	..	..	..	..	..	..	..	..	..	..
Total articulated	1,595.6	(0.9)	577.6	(1.1)	1,974.7	(0.8)	4.9	(11.2)	21.0	(4.9)	4.3	(14.4)	2,005.0	(0.8)	..	..	..	..	..	..	..	..	..	..	..	..	..
Other truck type vehicles	..	..	..	..	223.5	(15.1)	2.6	(32.3)	29.6	(12.6)	164.5	(9.4)	420.2	(8.7)	..	..	..	..	..	..	..	..	..	..	..	..	..
All trucks	5,164.8	(1.1)	2,309.4	(1.6)	7,703.8	(1.2)	58.6	(9.0)	245.7	(5.2)	447.5	(5.7)	8,457.0	(1.1)	..	..	..	..	..	..	..	..	..	..	..	..	..
All types of vehicles	9,262.7	(2.4)	4,229.3	(3.8)	29,828.5	(2.2)	2,875.6	(5.9)	18,783.9	(2.4)	49,418.2	(1.4)	100,919.2	(1.0)	..	..	..	..	..	..	..	..	..	..	..	..	..
AVERAGE KILOMETRES																												
Type of vehicle	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %
Cars and station wagons	..	..	..	..	12.6	(3.0)	4.8	(4.9)	6.0	(2.4)	9.5	(1.4)	15.4	(1.2)	..	..	..	..	..	..	..	..	..	..	..	..	..
Motor cycles	..	..	..	..	3.3	(10.7)	2.4	(14.8)	3.6	(6.9)	4.0	(7.7)	5.7	(5.3)	..	..	..	..	..	..	..	..	..	..	..	..
Utilities and panel vans	11.2	(4.0)	7.3	(7.0)	14.1	(3.6)	5.7	(14.8)	6.0	(5.5)	9.2	(5.4)	17.0	(2.5)	..	..	..	..	..	..	..	..	..	..	..	..	..
Rigid trucks; tare weight less than 3 tonnes	10.2	(2.6)	5.2	(4.0)	14.3	(2.6)	4.0	(9.7)	4.5	(6.8)	4.9	(7.2)	15.1	(2.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
3 and less than 4 tonnes	8.5	(2.6)	4.2	(3.1)	12.1	(2.4)	4.1	(25.0)	2.7	(10.4)	1.6	(11.6)	12.4	(2.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
4 tonnes and over	12.5	(1.6)	7.4	(1.6)	19.1	(1.4)	3.0	(10.0)	3.1	(4.8)	1.9	(7.0)	19.5	(1.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
Total rigid	10.5	(1.5)	5.6	(2.0)	15.2	(1.4)	3.8	(7.7)	4.0	(5.3)	4.3	(6.7)	15.7	(1.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
Articulated trucks; tare weight less than 9 tonnes	17.6	(1.9)	10.6	(2.2)	27.2	(1.9)	6.0	(18.1)	4.6	(7.7)	2.5	(15.6)	27.7	(1.9)	..	..	..	..	..	..	..	..	..	..	..	..	..
9 and less than 11 tonnes	34.3	(1.7)	15.7	(1.9)	48.3	(1.5)	8.8	(16.7)	5.1	(7.8)	2.2	(16.3)	48.9	(1.5)	..	..	..	..	..	..	..	..	..	..	..	..	..
11 tonnes and over	51.1	(1.2)	22.3	(1.3)	70.1	(1.0)	7.0	(13.7)	8.7	(6.0)	4.0	(26.4)	71.1	(1.0)	..	..	..	..	..	..	..	..	..	..	..	..	..
Total articulated	35.3	(1.0)	16.5	(1.0)	49.8	(0.8)	7.0	(9.5)	6.3	(4.5)	2.9	(13.6)	50.5	(0.8)	..	..	..	..	..	..	..	..	..	..	..	..	..
Other truck type vehicles	..	..	..	..	13.1	(8.5)	3.2	(26.2)	5.3	(10.1)	12.0	(8.0)	14.4	(5.4)	..	..	..	..	..	..	..	..	..	..	..	..	..
All trucks	12.9	(1.1)	6.7	(1.5)	18.3	(1.1)	3.9	(6.9)	4.3	(4.4)	5.6	(5.2)	18.7	(1.0)	..	..	..	..	..	..	..	..	..	..	..	..	..
All types of vehicles	12.1	(1.9)	7.0	(3.3)	13.8	(1.8)	4.8	(4.5)	5.8	(2.1)	9.2	(1.3)	15.4	(1.0)	..	..	..	..	..	..	..	..	..	..	..	..	..

(a) Includes business travel of non load carrying vehicles.

TABLE 14. TOTAL AND AVERAGE ANNUAL BUSINESS KILOMETRES, BY TYPE OF VEHICLE : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	N.S.W.			Vic.			Qld			S.A.			W.A.			Tas.			N.T.			A.C.T.			Ausf.		
	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %	mil. kilo- metres	S.E. %			
TOTAL BUSINESS KILOMETRES																											
Cars and station wagons	5,352.9	(7.9)	4,568.5	(7.4)	2,088.9	(8.0)	1,437.1	(7.1)	1,467.7	(8.3)	384.6	(9.9)	82.2	(17.8)	202.4	(19.3)	15,584.3	(3.8)									
Motor cycles	49.0	(32.2)	32.7	(28.6)	34.1	(31.7)	27.5	(26.4)	20.0	(36.7)	6.3	(44.5)	2.2	*(52.8)	0.1	*(88.5)	171.8	(13.9)									
Utilities and panel vans	1,718.8	(10.2)	1,862.3	(9.1)	912.7	(12.5)	589.6	(8.3)	863.8	(8.6)	180.2	(9.3)	105.1	(9.0)	136.1	(25.5)	6,368.5	(4.5)									
Rigid trucks; tare weight less than 3 tonnes	822.8	(4.4)	551.0	(6.0)	719.5	(7.2)	191.8	(3.9)	300.0	(6.2)	48.6	(5.5)	12.9	(10.7)	29.6	(20.4)	2,676.3	(2.8)									
3 and less than 4 tonnes	281.6	(4.8)	289.1	(5.8)	119.3	(6.6)	88.8	(4.3)	89.5	(5.8)	25.0	(8.0)	5.7	(10.5)	9.8	(44.0)	908.8	(2.7)									
4 tonnes and over	598.8	(3.0)	444.1	(2.7)	287.8	(4.9)	209.7	(3.5)	288.2	(3.9)	64.8	(3.3)	15.0	(8.0)	12.1	(13.8)	1,920.6	(1.5)									
Total rigid	1,703.2	(2.4)	1,284.2	(3.0)	1,126.6	(4.8)	490.4	(2.2)	677.7	(3.1)	138.4	(2.6)	33.7	(5.1)	51.5	(13.1)	5,505.6	(1.5)									
Articulated trucks; tare weight less than 9 tonnes	96.4	(3.7)	150.6	(3.4)	25.3	(5.9)	24.3	(4.2)	42.4	(7.6)	23.6	(5.1)	4.5	(12.8)	1.5	*(67.9)	368.6	(2.0)									
9 and less than 11 tonnes	188.7	(3.8)	134.1	(3.1)	51.5	(5.2)	66.9	(3.7)	28.8	(5.1)	17.0	(4.1)	3.8	(16.2)	2.4	(42.3)	493.1	(1.9)									
11 tonnes and over	389.1	(2.2)	189.9	(2.7)	121.8	(2.4)	279.5	(2.4)	92.3	(3.3)	28.2	(3.8)	6.5	(13.5)	5.7	(28.0)	1,113.0	(1.2)									
Total articulated	674.1	(1.6)	474.6	(1.6)	198.6	(1.9)	370.7	(1.8)	163.5	(2.6)	68.7	(2.4)	14.8	(6.5)	9.6	(12.9)	1,974.7	(0.8)									
Other truck type vehicles	70.6	(15.1)	32.3	(13.2)	86.4	(36.3)	12.1	(20.4)	13.8	(19.8)	7.0	(20.5)	0.8	(24.9)	0.6	*(65.5)	223.5	(15.1)									
All trucks	2,447.9	(1.8)	1,791.0	(2.2)	1,411.6	(4.4)	873.3	(1.5)	855.0	(2.5)	214.1	(1.9)	49.3	(4.0)	61.7	(11.1)	7,703.8	(1.2)									
All types of vehicles	9,568.6	(4.8)	8,254.5	(4.6)	4,447.2	(4.7)	2,927.3	(3.9)	3,206.5	(4.5)	785.2	(5.3)	238.9	(7.4)	400.2	(13.2)	29,828.5	(2.2)									
AVERAGE BUSINESS KILOMETRES																											
Type of vehicle	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %	'000 kilo- metres	S.E. %									
Cars and station wagons	13.2	(6.2)	11.9	(6.1)	13.5	(6.0)	11.7	(5.5)	12.9	(6.4)	11.4	(8.2)	15.0	(15.0)	10.6	(15.7)	12.6	(3.0)									
Motor cycles	3.4	(23.7)	3.4	(20.7)	2.6	(25.1)	3.5	(22.0)	4.0	(29.3)	4.8	(41.5)	3.5	(38.3)	0.1	*(69.4)	3.3	(10.7)									
Utilities and panel vans	12.8	(7.6)	15.7	(7.7)	14.3	(10.0)	13.2	(7.1)	14.0	(7.1)	11.5	(6.9)	15.9	(7.4)	21.7	(18.4)	14.1	(3.6)									
Rigid trucks; tare weight less than 3 tonnes	14.2	(4.2)	13.9	(5.1)	14.6	(7.0)	12.1	(3.6)	16.5	(5.7)	11.8	(4.9)	17.1	(9.2)	19.2	(18.8)	14.3	(2.6)									
3 and less than 4 tonnes	12.7	(4.3)	13.1	(5.3)	10.3	(5.5)	10.5	(3.8)	11.2	(4.7)	12.5	(6.9)	16.3	(6.6)	29.5	(23.0)	12.1	(2.4)									
4 tonnes and over	20.1	(2.9)	21.2	(2.7)	14.4	(4.5)	19.5	(3.2)	19.2	(3.5)	21.4	(2.8)	21.8	(6.5)	20.4	(15.3)	19.1	(1.4)									
Total rigid	15.5	(2.4)	15.5	(2.6)	13.9	(4.7)	14.0	(2.1)	16.5	(3.0)	15.1	(2.5)	18.8	(4.7)	20.9	(12.7)	15.2	(1.4)									
Articulated trucks; tare weight less than 9 tonnes	29.7	(3.3)	26.7	(3.5)	15.8	(4.6)	25.6	(2.8)	32.4	(5.8)	35.5	(4.3)	36.6	(11.0)	50.4	(47.5)	27.2	(1.9)									
9 and less than 11 tonnes	49.9	(2.8)	54.5	(2.4)	31.2	(4.3)	55.0	(3.7)	44.2	(4.8)	51.3	(2.6)	50.1	(11.4)	60.8	(21.8)	48.3	(1.5)									
11 tonnes and over	64.3	(1.9)	78.1	(2.2)	51.0	(2.1)	93.9	(2.2)	65.1	(2.9)	63.5	(2.5)	69.3	(9.8)	88.1	(11.9)	70.1	(1.0)									
Total articulated	51.6	(1.5)	45.1	(2.0)	35.3	(1.8)	72.0	(1.8)	48.4	(2.4)	47.8	(2.1)	50.6	(6.6)	71.5	(12.9)	49.8	(0.8)									
Other truck type vehicles	17.2	(13.0)	9.1	(13.1)	17.8	(13.2)	6.7	(17.4)	7.6	(17.9)	9.5	(20.3)	6.4	(21.2)	10.9	(44.5)	13.1	(8.5)									
All trucks	19.2	(1.8)	18.5	(2.0)	15.4	(3.9)	20.8	(1.4)	18.4	(2.4)	18.9	(2.2)	22.3	(3.8)	23.2	(10.8)	18.3	(1.1)									
All types of vehicles	14.0	(3.8)	13.6	(3.8)	13.7	(3.8)	13.5	(3.1)	14.2	(3.6)	12.7	(4.4)	16.1	(6.3)	14.0	(10.7)	13.8	(1.8)									

* Published for completeness, note high standard error.

TABLE 15. TOTAL ANNUAL LADEN BUSINESS KILOMETRES, BY TYPE OF VEHICLE AND VEHICLE USAGE : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Vehicle usage											
	Carrying for hire and reward			Used in own business			Not stated			Total		
	mil. kilometres	S.E. %		mil. kilometres	S.E. %		mil. kilometres	S.E. %		mil. kilometres	S.E. %	
Utilities and panel vans	502.2	(22.0)		3,525.1	(5.5)		70.6	(40.6)		4,097.9	(5.2)	
Rigid trucks; tare weight less than 3 tonnes	257.2	(9.5)		1,617.5	(3.0)		8.8	(40.2)		1,883.6	(2.7)	
3 and less than 4 tonnes	197.3	(6.6)		434.3	(3.1)		4.8	(47.4)		636.4	(2.8)	
4 tonnes and over	620.3	(2.8)		625.3	(2.5)		3.6	(27.1)		1,249.2	(1.7)	
Total rigid	1,075.2	(3.0)		2,676.6	(1.9)		17.3	(25.1)		3,769.2	(1.5)	
Articulated trucks; tare weight less than 9 tonnes	164.3	(2.5)		72.8	(4.3)		0.6	(27.5)		237.7	(2.1)	
9 and less than 11 tonnes	300.3	(2.3)		48.0	(4.8)		1.0	(30.0)		349.3	(2.0)	
11 tonnes and over	714.0	(1.5)		93.4	(4.6)		1.2	(42.7)		808.6	(1.3)	
Total articulated	1,178.5	(1.1)		214.3	(2.7)		2.7	(21.9)		1,395.6	(0.9)	
Other truck type vehicles	..	..		..	..		..	..		..	..
All trucks	2,253.7	(1.6)		2,891.1	(1.8)		20.0	(21.8)		5,164.8	(1.1)	
All types of vehicles (a)	2,755.8	(4.2)		6,416.3	(3.1)		90.6	(32.0)		9,262.7	(2.4)	

(a) Except cars, station wagons and motor cycles.

TABLE 16. TOTAL AND AVERAGE ANNUAL TONNE-KILOMETRES, BY TYPE OF VEHICLE : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	State of registration											
	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.			
TOTAL ANNUAL TONNE-KILOMETRES												
Utilities and panel vans	514.1	459.7	199.7	125.5	188.6	29.7	37.9	21.3	1,576.5	(7.0)		
Rigid trucks; tare weight	665.3	422.3	385.9	129.7	175.6	40.6	14.5	24.9	1,858.7	(4.1)		
less than 3 tonnes	629.2	563.2	222.9	207.0	259.4	62.6	12.8	13.2	1,970.3	(2.8)		
3 and less than 4 tonnes	2,644.5	1,730.0	1,074.4	993.8	1,351.9	285.4	117.3	58.8	8,256.0	(2.2)		
4 tonnes and over	3,939.0	2,715.5	1,683.1	1,330.6	1,786.8	388.6	144.6	96.9	2,085.1	(1.7)		
Total rigid	929.0	1,039.9	164.6	197.9	339.9	203.8	51.9	8.7	2,935.7	(1.5)		
Articulated trucks; tare weight	2,083.3	1,491.4	437.2	741.2	239.4	162.0	57.2	18.9	5,230.6	(1.0)		
less than 9 tonnes	4,831.4	2,442.9	1,378.0	4,572.6	1,155.9	311.2	141.2	41.2	4,874.4	(1.2)		
9 and less than 11 tonnes	7,843.7	4,974.3	1,979.8	5,511.6	1,735.2	677.1	250.3	68.7	23,040.7	(0.9)		
11 tonnes and over	..	..	..	..	..	..	..	..	..	..
Total articulated	11,782.7	7,689.7	3,662.9	6,842.2	3,522.1	1,065.7	394.8	165.7	35,125.8	(0.6)		
Other truck type vehicles	12,296.8	8,149.4	3,862.6	6,967.7	3,710.7	1,095.4	432.7	187.0	36,702.3	(0.6)		
All trucks	..	..	..	..	..	..	..	..	..	..
All types of vehicles (a)	..	..	..	..	..	..	..	..	..	..
AVERAGE ANNUAL TONNE-KILOMETRES												
Utilities and panel vans	4.6	4.7	4.2	3.2	4.1	2.4	6.3	4.5	4.3	(6.0)		
Rigid trucks; tare weight	11.4	10.7	8.1	8.2	9.9	9.9	19.3	16.1	10.0	(4.0)		
less than 3 tonnes	28.3	25.6	19.4	24.6	32.9	31.1	36.6	41.6	26.4	(2.7)		
3 and less than 4 tonnes	88.8	82.7	54.3	92.2	90.8	94.2	170.5	99.2	82.2	(2.2)		
4 tonnes and over	35.7	33.0	21.4	38.0	44.1	42.6	80.8	39.5	33.5	(1.7)		
Total rigid	287.7	185.7	103.7	208.3	262.5	306.5	422.3	286.1	217.8	(1.6)		
Articulated trucks; tare weight	551.7	606.4	266.6	609.1	370.5	490.5	763.7	481.4	513.7	(0.3)		
less than 9 tonnes	797.7	1,009.4	577.0	1,535.9	825.0	701.4	1,495.1	641.2	938.7	(1.1)		
9 and less than 11 tonnes	600.5	474.4	352.6	1,071.5	519.2	470.5	856.4	513.9	583.2	(1.0)		
11 tonnes and over	..	..	..	..	..	..	..	..	..	..
Total articulated	95.5	82.8	43.5	170.3	80.3	100.9	189.6	64.0	87.9	(0.7)		
Other truck type vehicles	52.5	42.7	29.2	88.3	41.5	47.3	53.5	25.7	48.0	(1.6)		
All trucks	..	..	..	..	..	..	..	..	..	..
All types of vehicles (a)	..	..	..	..	..	..	..	..	..	..

* Published for completeness, note high standard error.

(a) Except cars, station wagons and motor cycles.

TABLE 17. TOTAL ANNUAL TONNE-KILOMETRES BY TYPE OF VEHICLE AND AREA OF OPERATION : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Area of operation																	
	Capital city (a)			Provincial urban (b)			Other areas of State or Territory			Total within State of registration			Interstate			Australia		
	mil. tonne-kms	S.E. %		mil. tonne-kms	S.E. %		mil. tonne-kms	S.E. %		mil. tonne-kms	S.E. %		mil. tonne-kms	S.E. %		mil. tonne-kms	S.E. %	
Utilities and panel vans	821.1	(10.6)		160.0	(22.4)		554.0	(10.5)		1,535.1	(7.0)		41.4	(41.6)		1,576.5	(7.0)	
Rigid trucks; tare weight less than 3 tonnes	941.1	(4.8)		179.1	(18.2)		713.9	(6.9)		1,834.1	(4.0)		24.6	(29.3)		1,858.7	(4.1)	
3 and less than 4 tonnes	1,007.9	(4.2)		141.1	(9.7)		778.5	(3.9)		1,927.5	(2.8)		42.8	(31.3)		1,970.3	(2.8)	
4 tonnes and over	3,438.0	(2.9)		676.2	(6.3)		3,731.9	(3.5)		7,846.1	(2.1)		409.7	(11.6)		8,256.0	(2.2)	
Total rigid	5,387.0	(2.1)		996.4	(5.6)		5,224.3	(2.7)		11,607.7	(1.6)		477.1	(10.4)		12,085.1	(1.7)	
Articulated trucks; tare weight less than 9 tonnes	865.9	(2.9)		220.8	(5.3)		1,468.1	(3.0)		2,554.8	(1.8)		380.6	(6.0)		2,935.7	(1.5)	
9 and less than 11 tonnes	1,056.2	(3.4)		441.2	(6.7)		2,256.7	(2.7)		3,754.1	(1.3)		1,476.0	(3.6)		5,230.6	(1.0)	
11 tonnes and over	2,170.0	(2.6)		984.3	(4.0)		5,931.2	(0.9)		9,085.5	(1.0)		5,788.9	(1.9)		14,874.4	(1.2)	
Total articulated	4,092.2	(1.7)		1,646.2	(3.1)		9,655.9	(0.5)		15,394.3	(0.7)		7,645.5	(1.4)		23,040.7	(0.9)	
Other truck type vehicles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
All trucks	9,479.2	(1.4)		2,642.6	(2.8)		14,880.3	(0.9)		27,002.0	(0.6)		8,122.6	(1.4)		35,125.8	(0.6)	
All types of vehicles (c)	10,300.2	(1.6)		2,802.5	(3.0)		15,434.3	(1.0)		28,537.2	(0.7)		8,164.0	(1.4)		36,702.3	(0.6)	

(a) Includes A.C.T. for A.C.T. vehicles. (b) Includes travel on the Stuart and Barkly highways for Northern Territory vehicles. (c) Except cars, station wagons and motor cycles.

TABLE 18. TOTAL ANNUAL TONNE-KILOMETRES BY AREA OF OPERATION : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

States of registration	Area of operation																	
	Capital city (a)			Provincial urban (b)			Other areas of State or Territory			Total within State of registration			Interstate			Australia		
	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %	mil. tonne-kms	S.E. %		
New South Wales	3,663.7	(3.1)	1,508.2	(4.0)	5,155.8	(1.8)	10,327.8	(1.1)	1,968.9	(2.0)	12,296.8	(0.9)	8,149.4	(0.6)	1,859.3	(0.8)	8,149.4	(0.6)
Victoria	2,786.5	(2.3)	514.2	(6.3)	2,989.3	(1.4)	6,290.1	(1.0)	1,859.3	(0.8)	8,149.4	(0.6)	3,862.6	(2.1)	530.5	(3.5)	3,862.6	(2.1)
Queensland	1,039.3	(6.1)	517.2	(8.6)	1,775.2	(2.9)	3,331.8	(2.7)	3,648.6	(2.8)	6,967.7	(2.0)	71.4	(13.6)	3,710.7	(2.4)	1,095.4	(1.5)
South Australia	1,330.2	(3.1)	..	..	1,988.9	(1.1)	3,319.1	(1.6)	34.2	(13.7)	1,095.4	(1.5)	34.2	(21.2)	432.7	(4.9)	187.0	(11.3)
Western Australia	1,076.5	(4.4)	..	..	2,562.7	(3.5)	3,639.2	(2.5)	8.9	(18.3)	187.0	(11.3)	..	..	..	..	..	..
Tasmania	191.0	(4.2)	112.4	(5.0)	782.3	(1.8)	1,085.8	(1.5)	..	..	..	..	..	..	..	..	..	..
Northern Territory	67.8	(6.3)	150.5	(11.8)	180.0	(13.3)	398.3	(4.2)	..	..	..	..	..	..	..	..	..	..
Australian Capital Territory	145.1	(13.5)	..	..	..	..	145.1	(13.5)	..	..	..	..	..	..	..	..	..	..
Australia	10,300.2	(1.6)	2,802.5	(3.0)	15,434.3	(1.0)	28,537.2	(0.7)	8,164.0	(1.4)	36,702.3	(0.6)	..	..	..	..	..	..

(a) Includes A.C.T. for A.C.T. vehicles. (b) Includes travel on the Stuart and Barkly highways for Northern Territory vehicles.

TABLE 19. TOTAL ANNUAL TONNES CARRIED BY INDUSTRY SERVED : STATES OF REGISTRATION
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Industry served	State of registration																	
	N.S.W.		Vic.		Qld		S.A.		W.A.		Tas.		N.T.		A.C.T.		Aust.	
	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %	mil. tonnes	S.E. %
Agriculture, forestry, fishing and hunting	23.1	(10.2)	17.9	(8.4)	25.0	(12.8)	8.6	(5.8)	16.7	(5.7)	6.6	(8.1)	0.3	(18.9)	0.2	(31.5)	98.3	(4.5)
Mining	35.2	(8.8)	8.8	(24.5)	8.2	(22.9)	5.6	(37.1)	11.4	(23.5)	1.9	(16.7)	4.3	(21.5)	0.1	*(94.3)	75.7	(7.3)
Manufacturing	24.2	(10.6)	15.6	(8.4)	7.5	(23.5)	7.2	(15.7)	5.3	(19.3)	2.6	(12.5)	0.2	(37.3)	..	..	62.6	(5.9)
Building and construction	43.1	(6.9)	28.5	(7.0)	21.6	(17.4)	18.0	(9.6)	12.9	(9.7)	4.2	(8.4)	2.2	(16.7)	1.8	(24.1)	132.2	(4.3)
Wholesale and retail trade	25.2	(11.0)	17.5	(8.1)	9.7	(7.5)	4.9	(8.4)	6.7	(10.2)	1.9	(10.9)	0.3	(31.4)	0.3	(43.7)	66.7	(5.0)
Road transport	61.3	(5.4)	36.9	(3.9)	23.5	(6.5)	19.3	(6.0)	14.3	(8.7)	8.5	(4.5)	0.7	(12.5)	1.5	(29.2)	166.0	(2.6)
Australian, state or local government	37.5	(7.7)	18.9	(12.0)	23.1	(13.9)	12.5	(11.5)	19.1	(15.8)	5.9	(8.6)	3.0	(6.9)	1.3	(27.6)	121.4	(4.9)
Other	12.3	(15.3)	9.2	(15.3)	5.2	(16.1)	1.6	(23.6)	1.6	(22.8)	0.3	(25.7)	0.5	(33.9)	0.1	(49.0)	30.7	(8.3)
Not stated	0.6	(33.1)	1.2	(27.8)	0.4	(28.8)	0.1	(44.3)	0.3	(50.1)	0.5	(10.5)	..	..	0.1	*(81.8)	3.0	(14.3)
Total	262.6	(2.7)	154.6	(3.0)	124.1	(5.2)	77.7	(4.4)	88.3	(5.1)	32.4	(2.9)	11.6	(8.7)	5.4	(11.2)	756.6	(1.6)

* Published for completeness, note high standard error.

TABLE 20. AVERAGE ANNUAL KILOMETRES, BY TYPE OF VEHICLE, NUMBER OF OCCUPANTS AND AREA OF OPERATION : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Number of occupants													
	One occupant		Two occupants		Three occupants		Four occupants		Five occupants		Six or more occupants		Total	
	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %	'000 kilometres	S.E. %		
METROPOLITAN														
Cars and station wagons	6.9	(2.3)	3.4	(3.3)	2.1	(3.5)	2.0	(4.8)	2.0	(6.4)	2.4	(8.1)	10.4	(1.7)
Motor cycles	5.0	(6.8)	0.8	(19.7)	..	..	..	..	..	..	..	..	5.2	(6.7)
Utilities and panel vans	10.2	(4.7)	3.7	(7.5)	2.3	(11.5)	3.0	(28.4)	..	..	2.0	(28.8)	12.6	(3.8)
Trucks (incl. "other truck type vehicles")	13.7	(1.6)	4.5	(4.6)	3.2	(6.8)	2.8	(11.7)	2.6	(12.2)	4.2	(13.1)	15.2	(1.5)
Total	7.5	(1.8)	3.4	(3.0)	2.2	(3.3)	2.1	(4.7)	2.0	(6.2)	2.4	(7.8)	10.7	(1.5)
NON-METROPOLITAN														
Cars and station wagons	6.2	(2.7)	4.1	(2.7)	2.8	(3.7)	3.2	(4.6)	3.1	(6.4)	4.0	(7.9)	9.6	(1.7)
Motor cycles	4.0	(7.0)	1.6	(17.3)	..	..	..	..	..	..	..	..	4.4	(6.9)
Utilities and panel vans	9.8	(4.8)	5.3	(6.4)	3.7	(9.6)	3.5	(16.2)	4.3	(29.8)	3.9	(33.5)	13.6	(3.4)
Trucks (incl. "other truck type vehicles")	14.1	(1.6)	4.1	(3.2)	3.5	(5.6)	4.1	(8.1)	3.9	(13.6)	4.7	(10.1)	16.0	(1.4)
Total	7.2	(2.0)	4.2	(2.3)	2.9	(3.3)	3.2	(4.4)	3.2	(6.3)	4.0	(7.5)	10.2	(1.3)
TOTAL AREAS OF OPERATION														
Cars and station wagons	8.7	(1.8)	5.2	(2.2)	3.2	(2.6)	3.5	(3.5)	3.5	(4.9)	4.1	(6.0)	15.4	(1.2)
Motor cycles	5.3	(5.3)	1.5	(14.3)	..	..	..	..	..	..	..	..	5.7	(5.3)
Utilities and panel vans	12.1	(3.5)	5.7	(5.1)	4.0	(8.0)	4.1	(15.2)	4.3	(27.6)	3.7	(27.1)	17.0	(2.5)
Trucks (incl. "other truck type vehicles")	16.3	(1.2)	4.9	(2.6)	3.9	(4.3)	4.4	(6.5)	4.5	(10.7)	5.4	(7.8)	18.7	(1.0)
Total	9.4	(1.4)	5.2	(1.9)	3.3	(2.4)	3.5	(3.3)	3.5	(4.9)	4.1	(5.7)	15.4	(1.0)

TABLE 21. TOTAL ANNUAL FUEL CONSUMPTION, BY TYPE OF VEHICLE AND KIND OF FUEL : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Type of fuel									
	Petrol		Diesel or Distillate		Unknown		Total			
	mil. litres	S.E. %	mil. litres	S.E. %	mil. litres	S.E. %	mil. litres	S.E. %	mil. litres	S.E. %
Cars and station wagons (a)	9,873.2	(1.3)	..	..	..	..	9,873.2	(1.3)		
Motor cycles (a)	96.5	(6.1)	..	..	..	..	96.5	(6.1)		
Utilities and panel vans	1,698.8	(3.0)	0.5	(49.2)	51.2	(27.9)	1,750.4	(2.9)		
Rigid trucks; with —										
2 axes	995.4	(1.7)	254.3	(3.2)	23.6	(10.6)	1,273.3	(1.4)		
3 axes	58.9	(6.5)	113.5	(4.6)	4.4	(26.1)	176.7	(3.7)		
more than 3 axes	38.6	(15.6)	58.6	(8.7)	1.6	(34.5)	98.8	(8.0)		
axes not stated	54.9	(12.4)	15.9	(22.0)	1.5	(37.5)	72.4	(10.6)		
Articulated trucks; with —										
4 axes or less	60.4	(3.6)	360.6	(1.6)	5.6	(13.5)	426.6	(1.4)		
5 axes	4.4	(10.6)	307.1	(2.1)	5.8	(23.4)	317.3	(2.1)		
6 axes	1.2	(28.0)	224.6	(2.8)	5.0	(22.9)	230.8	(2.7)		
more than 6 axes	..	..	15.1	(9.1)	0.2	*(56.9)	15.4	(9.0)		
axes not stated	0.8	(21.1)	18.1	(8.1)	0.5	(44.9)	19.4	(7.7)		
All types of vehicles	12,883.1	(1.1)	1,368.4	(1.0)	99.3	(14.8)	14,350.8	(1.0)		

(a) Details by type of fuel not collected.

* Published for completeness, note high standard error.

TABLE 22. AVERAGE ANNUAL RATE OF FUEL CONSUMPTION, BY TYPE OF VEHICLE AND KIND OF FUEL : AUSTRALIA
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

Type of vehicle	Type of fuel									
	Petrol		Diesel or Distillate		Unknown		Total			
	litres/100 km	S.E. %	litres/100 km	S.E. %	litres/100 km	S.E. %	litres/100 km	S.E. %	litres/100 km	S.E. %
Cars and station wagons (a)	12.6	(0.5)	..	..	..	..	12.6	(0.5)	..	..
Motor cycles (a)	5.9	(2.8)	..	..	..	..	5.9	(2.8)	..	..
Utilities and panel vans	14.2	(1.2)	15.1	(6.8)	15.4	(4.0)	14.3	(1.2)	15.4	(4.0)
Rigid trucks; with -										
2 axes	24.6	(0.8)	27.9	(1.1)	33.1	(4.3)	25.3	(0.7)	33.1	(4.3)
3 axes	48.8	(2.3)	37.2	(1.3)	48.7	(14.4)	40.6	(1.2)	48.7	(14.4)
more than 3 axes	33.5	(5.6)	43.7	(2.5)	39.1	(13.3)	39.0	(3.2)	39.1	(13.3)
axes not stated	22.6	(3.8)	33.8	(13.7)	31.7	(8.6)	24.6	(4.3)	31.7	(8.6)
Articulated trucks; with -										
4 axes or less	51.7	(0.9)	44.1	(0.4)	51.2	(2.6)	45.1	(0.4)	51.2	(2.6)
5 axes	54.3	(2.3)	52.5	(0.5)	53.8	(3.2)	52.6	(0.5)	53.8	(3.2)
6 axes	60.9	(5.5)	58.9	(0.5)	55.8	(4.2)	58.8	(0.5)	55.8	(4.2)
more than 6 axes	..	..	65.8	(1.7)	47.7	(0.6)	65.4	(1.7)	47.7	(0.6)
axes not stated	44.4	(3.2)	49.8	(2.1)	50.4	(4.3)	49.6	(1.9)	50.4	(4.3)
All types of vehicles	13.3	(0.4)	42.2	(0.5)	21.9	(6.4)	14.3	(0.4)	21.9	(6.4)

(a) Details by type of fuel not collected.

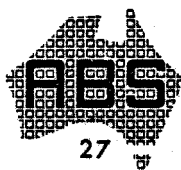
TABLE 23. TOTAL NUMBER OF VEHICLES (a) BY TYPE OF VEHICLE : STATES OF REGISTRATION, 30 SEPTEMBER 1976

Type of vehicle	State of registration																	
	N.S.W.		Vic.		Qld		S.A.		W.A.		Tas.		N.T.		A.C.T.		Aust.	
	Number	S.E. %	Number	S.E. %	Number	S.E. %	Number	S.E. %	Number	S.E. %	Number	S.E. %	Number	S.E. %	Number	S.E. %	Number	S.E. %
Cars and station wagons	1,716,530	(0.2)	1,453,983	(0.2)	720,697	(0.2)	508,493	(0.2)	438,687	(0.3)	158,058	(0.2)	19,017	(0.9)	79,864	..	5,095,329	(0.1)
Motor cycles	95,377	(2.0)	48,685	(2.5)	70,313	(1.7)	31,750	..	26,764	(2.2)	6,366	(1.1)	2,634	(4.0)	3,746	..	285,635	(0.9)
Utilities and panel vans	234,996	(1.1)	179,209	(1.1)	116,278	(1.8)	60,631	(1.2)	88,403	(1.3)	24,936	(1.1)	10,117	(1.1)	9,276	..	723,846	(0.6)
Rigid trucks; tare weight less than 3 tonnes	61,878	(0.8)	42,777	(3.0)	58,477	(1.5)	16,635	(1.0)	19,302	(2.6)	4,522	(1.9)	880	(4.1)	1,614	(6.4)	206,086	(0.8)
3 and less than 4 tonnes	22,454	(2.1)	22,228	(2.2)	11,909	(3.2)	8,505	(1.8)	8,059	(3.7)	2,066	(3.8)	381	(7.0)	333	(23.5)	75,934	(1.1)
4 tonnes and over	29,855	(1.2)	21,090	(1.8)	20,031	(1.5)	10,836	(1.4)	15,035	(2.0)	3,074	(2.3)	693	(4.1)	593	(14.7)	101,206	(0.7)
Total rigid	114,187	(0.3)	86,096	(1.5)	90,417	(0.9)	35,975	(0.4)	42,396	(1.0)	9,662	(0.6)	1,954	(1.1)	2,540	(1.3)	383,227	(0.4)
Articulated trucks; tare weight less than 9 tonnes	3,248	(2.4)	5,676	(3.6)	1,620	(2.1)	953	(2.2)	1,314	(4.4)	665	(5.0)	125	(9.1)	30	(44.4)	13,632	(1.7)
9 and less than 11 tonnes	3,787	(2.2)	2,462	(2.0)	1,657	(2.4)	1,218	(3.8)	654	(5.5)	332	(3.4)	75	(10.6)	39	(37.5)	10,224	(1.2)
11 tonnes and over	6,051	(1.3)	2,438	(1.8)	2,393	(1.3)	2,977	(2.0)	1,417	(2.0)	444	(3.6)	94	(9.4)	64	(24.8)	15,878	(0.8)
Total articulated	13,087	(0.7)	10,576	(2.0)	5,670	(0.5)	5,148	(1.3)	3,385	(1.9)	1,440	(2.5)	295	(2.8)	134	(0.4)	39,735	(0.6)
Other truck type vehicles	7,740	(5.4)	5,636	(5.4)	6,545	(20.8)	3,514	(4.0)	4,169	(8.8)	1,355	(12.7)	152	(8.9)	57	*(52.3)	29,167	(5.2)
All trucks	135,014	(0.4)	102,308	(1.2)	102,632	(1.5)	44,638	(0.3)	49,949	(1.1)	12,457	(1.4)	2,400	(0.8)	2,730	(1.0)	452,129	(0.5)
All types of vehicles	2,181,917	(0.1)	1,784,186	(0.1)	1,009,919	(0.2)	645,512	(0.1)	603,804	(0.2)	201,817	(0.2)	34,167	(0.5)	95,616	..	6,556,939	(0.1)

(a) Excludes vehicles which recorded zero usage for the twelve months ended 30 September 1976.

* Published for completeness, note high standard error.

APPENDICES



AUSTRALIAN BUREAU OF STATISTICS
NEW SOUTH WALES OFFICE

← Registration No. — Please quote in all correspondence

This questionnaire must be completed, signed, and returned within 14 DAYS to:

The Deputy Commonwealth Statistician,
Box 796, G.P.O.,
SYDNEY, 2001
For enquiries: Telephone SYDNEY 20248
or CANBERRA 525449

Please amend name and address if necessary

SURVEY OF MOTOR VEHICLE USAGE
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

This return is required under the authority of the Census and Statistics Act 1905-1973, and is therefore **COMPULSORY**. The Act provides that the contents of individual returns are **CONFIDENTIAL** and will not be disclosed to any government or private organisation, or any person except authorised officers of the Australian Bureau of Statistics.

- This form must be completed for the vehicle with the registration number shown on the address label above **EVEN IF YOU ARE NO LONGER THE REGISTERED OWNER.**
- If you were not the registered owner for the whole of the twelve months ended 30 September 1976 give particulars relating to that part of the year for which you were the registered owner.
- Where information cannot be provided from records maintained during the year, careful estimates should be made.

SECTION A — PARTICULARS OF VEHICLE WITH THE REGISTRATION NUMBER SHOWN ON THE ADDRESS LABEL AT THE TOP OF THIS FORM		Office use only	
1. Make (e.g. Holden, Ford, Toyota, Honda) — — — — —		01C	
2. Vehicle type (tick appropriate box):			
Car — — — — —	<input type="checkbox"/> 10		
Station Wagon — — — — —	<input type="checkbox"/> 20		
Utility — — — — —	<input type="checkbox"/> 30		
Panel Van — — — — —	<input type="checkbox"/> 31	03J	
Motor Cycle or Scooter — — — — —	<input type="checkbox"/> 80		
Other (please specify)	<input type="checkbox"/>		
3. Vehicle Tare Weight			
Note: (1) Separate lines are provided for either imperial or metric units of weight, as preferred.	..... cwt	04K	
(2) Your registration papers should contain this information.	OR		
	..... kilograms	05L	
4. Number of Cylinders			
Note: For rotary or other engines which do not have cylinders, tick Not Applicable.	.....	
	(number)	08V	
	<input type="checkbox"/> Not applicable		
5. Year of Manufacture	19.....	10F	

6. Garaging address Please state the address at which this vehicle was usually garaged (or parked outside) overnight, during that period of the twelve months ended 30 September 1976 for which you were the registered owner.	Office Use Only	
	11J	
POSTCODE		

SECTION B — OWNERSHIP

7. Are you still the registered owner of this vehicle? <i>(tick appropriate box)</i>	1 <input type="checkbox"/> YES (<i>Go to Q.11</i>) 2 <input type="checkbox"/> NO (<i>Continue next question</i>)	12K	
8. Date on which you ceased to be the registered owner.	/ / 197	13L	
9. Please indicate the reason you are no longer the registered owner. <i>(tick appropriate box)</i> Registration cancelled or lapsed 1 <input type="checkbox"/> (<i>Go to Q.11</i>) Vehicle disposed of 2 <input type="checkbox"/> (<i>Continue next question</i>)		14R	
10. Name and address of person to whom vehicle was disposed.	Name..... Address..... POSTCODE.....	15T	
11. Did you become the registered owner of this vehicle during the twelve months ended 30 September 1976? <i>(tick appropriate box)</i>	1 <input type="checkbox"/> YES (<i>Continue next question</i>) 2 <input type="checkbox"/> NO (<i>Go to Q.13</i>)	16V	
12. On what date did you obtain the vehicle?	/ / 197	17W	

SECTION C — FUEL CONSUMPTION

13. Please estimate the average rate of fuel consumption of this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner. <i>Note: Separate lines are provided for alternative units of measurement, as preferred.</i>	.....miles/gallon	18X	
	OR		
	.....kilometres/gallon	19A	
	OR		
	.....kilometres/litre	20K	
	OR		
	.....litres/100 kilometres	21L	

SECTION D — KIND OF BUSINESS		Office use only	
<p>14. Was this vehicle used AT ALL for business, professional, farm or government purposes during that period of the twelve months ended 30 September 1976 for which you were the registered owner?</p>	<p>1 <input type="checkbox"/> YES (Continue next question)</p> <p>2 <input type="checkbox"/> NO (Go to Q.16)</p>	56L	
<p>15. Please indicate the MAIN kind of business in which this vehicle was used during that period of the twelve months ended 30 September 1976 for which you were the registered owner. (Tick one box only)</p> <p><i>Note: (1) Where the vehicle has mainly been used in carrying for hire and reward, show the kind of business of the main client. If no main client show the kind of business as Road Transport.</i></p> <p><i>(2) Vehicles owned by Australian, State or Local governments or by government instrumentalities or authorities should be classified specifically to heading (i) below.</i></p> <p><i>(3) Unless (2) above refers, for service vehicles providing an on the spot service to households or businesses tick (j) below and indicate the type of service provided.</i></p>		58T	
<p>(a) Agriculture, Forestry, Fishing and Hunting</p> <p>(b) Mining</p> <p>(c) Manufacturing</p> <p>(d) Electricity, Gas or Water</p> <p>(e) Building and Construction</p> <p>(f) Wholesale and Retail Trade</p> <p>(g) Road Transport</p> <p>(h) Other Transport and Storage</p> <p>(i) Australian, State or Local Government or government instrumentalities or authorities</p> <p>(j) Service Vehicles <i>(please specify)</i></p> <p>.....</p> <p>(k) Other <i>(please specify)</i></p>	<p><input type="checkbox"/> 01</p> <p><input type="checkbox"/> 02</p> <p><input type="checkbox"/> 03</p> <p><input type="checkbox"/> 04</p> <p><input type="checkbox"/> 05</p> <p><input type="checkbox"/> 06</p> <p><input type="checkbox"/> 07</p> <p><input type="checkbox"/> 08</p> <p><input type="checkbox"/> 09</p> <p><input type="checkbox"/> 10</p> <p><input type="checkbox"/> 11</p>		

SECTION E — CHARACTERISTICS OF DISTANCE TRAVELLED

<p>16. Please estimate the total distance travelled by this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner.</p> <p><i>Note: Separate lines are provided for either imperial or metric units, as preferred.</i></p>	<p>.....miles</p> <p>OR</p> <p>.....kilometres</p>	23T	
<p>17. Of the total distance travelled as shown in Question 16, please estimate the distance travelled on farms, forest fire trails, quarries, unused land and other "off-road" areas.</p>	<p>.....miles</p> <p>OR</p> <p>.....kilometres</p>	25W	26X

8. DISTANCE TRAVELLED FOR SPECIFIED PURPOSES

Please complete the following table by splitting Total Distance Travelled as shown in Question 16 into the categories shown.

Note: (1) TRAVEL FOR BUSINESS, PROFESSIONAL, FARM OR GOVERNMENT PURPOSES

- INCLUDE distance travelled for hire and reward, chargeable to a business expense or for which an allowance was received.
- EXCLUDE travel to and from work or for private purposes.

(2) TRAVEL TO AND FROM WORK

- INCLUDE only travel to and from work at the beginning and end of each work day.
- EXCLUDE
 - (i) Lunchtime travel
 - (ii) Travel between various locations during the day
 - (iii) Travel other than by this vehicle.
- PAID travel is that which is chargeable to a business expense or for which an allowance was received. All other travel should be shown as UNPAID.

(3) TRAVEL FOR PRIVATE PURPOSES

- INCLUDE all distance travelled other than that recorded under previous headings.

PURPOSE	DISTANCE TRAVELLED	Office use
TRAVEL FOR BUSINESS, PROFESSIONAL, FARM OR GOVERNMENT PURPOSES		27A
TRAVEL TO AND FROM WORK — PAID		28C
— UNPAID		29F
TRAVEL FOR PRIVATE PURPOSES		
— To destinations greater than 60 kilometres from usual overnight parking address ..		30R
— Other		31T
TOTAL DISTANCE TRAVELLED		33W

To agree with answer to Question 16.

19. DISTANCE TRAVELLED IN SPECIFIED AREAS

Please complete the following two tables by splitting Total Distance Travelled as shown in Question 16 within the specified areas.

Note: (1) SYDNEY AND ENVIRONS — This is defined as the Sydney Statistical Division and contains the area with the outer boundaries comprising the local government areas of Gosford and Wyong in the north, Baulkham Hills, Windsor, Colo and Blue Mountains in the west and Camden, Campbelltown, Wollondilly and Sutherland in the southwest and south.

(2) NEWCASTLE DISTRICT — The local government areas of Maitland, greater Cessnock, Newcastle, Port Stephens and Lake Macquarie.

(3) WOLLONGONG AND PORT KEMBLA — The local government areas of Wollongong, Kiama and Shellharbour.

Within New South Wales and Australian Capital Territory	Office use
Within Sydney and environs	34X
Within Newcastle, Wollongong and Port Kembla	35A
Within A.C.T.	36C
Within other areas of N.S.W.	37F
TOTAL, Within N.S.W. and A.C.T.	38J

Within Other States and Territories	Office use
Victoria	40V
Queensland	41W
South Australia	42X
Western Australia	43A
Tasmania	44C
Northern Territory	45F
TOTAL, Other States and Territories	47K

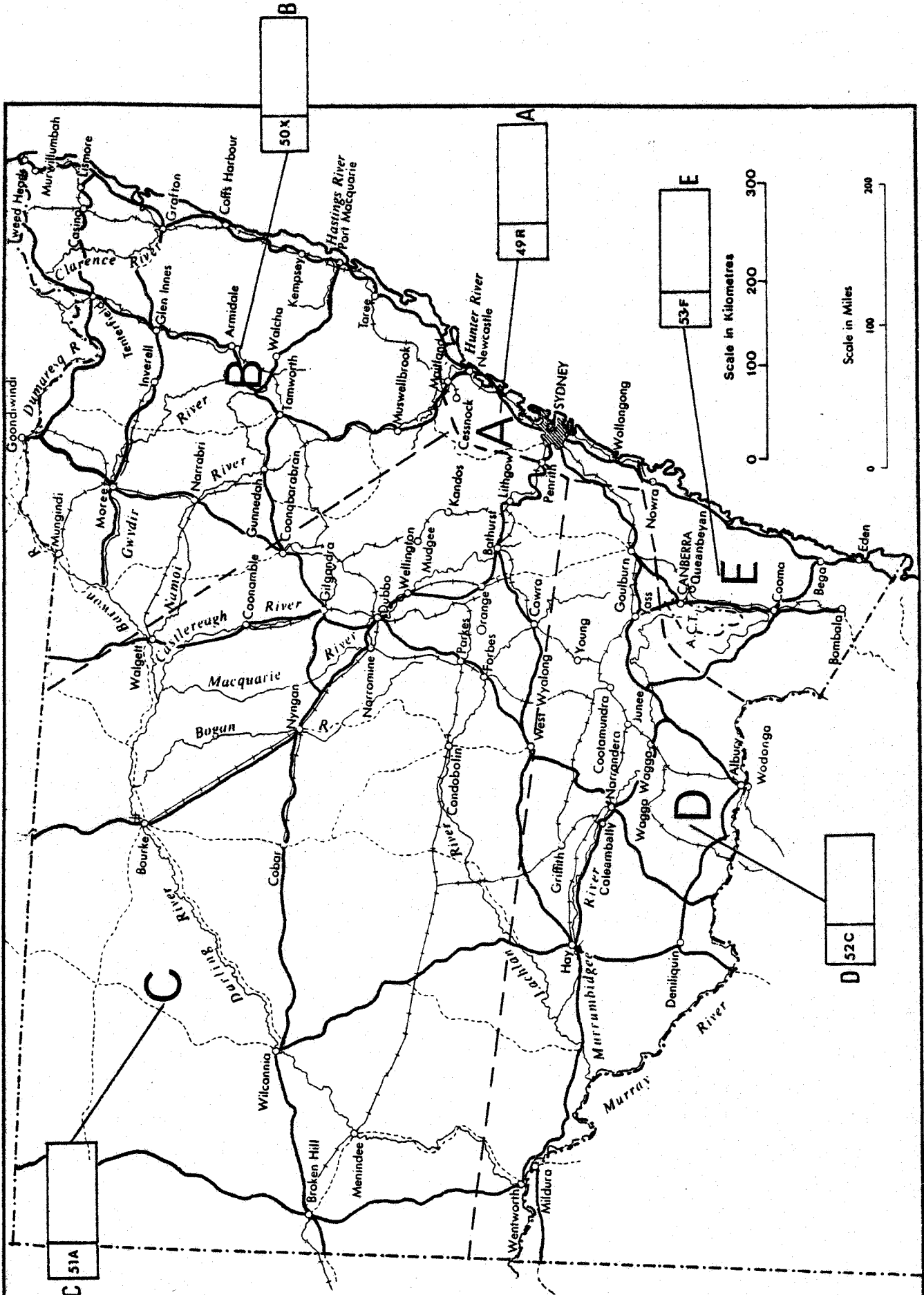
TOTAL DISTANCE TRAVELLED
To agree with answer
to Question 16

	48L
(38J + 47K)	

20. DISTANCE TRAVELLED IN REGIONS OF NEW SOUTH WALES

Please show in the boxes provided the appropriate distances travelled within the geographic regions shown on the map below.

Note: The sum of the distances travelled in regions A to E below should equal the total distance travelled within New South Wales and the A.C.T. as shown in section 38J on the previous page.



SECTION F — ACCIDENTS

Office use only

21. Has this vehicle been involved in any accidents on roads or other public thoroughfares in which ANY vehicles were damaged or ANY persons killed or injured (i.e. required medical or surgical treatment) during that period of the twelve months ended 30 September 1976 for which you were the registered owner?

1 YES (Continue next question)

2 NO (Go to Q.24)

67V

22. In how many accidents was this vehicle involved?

_____ (number)

68W

23. How many of the above accidents resulted in death or injury to any persons involved?

_____ (number)

69X

SECTION G — PASSENGERS

24. Of the total distance travelled by this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner, please estimate the percentage travelled with the following number of occupants.

Note: Metropolitan refers only to the capital city of the State or Territory of registration.

Driver only
 1 Passenger
 2 Passengers
 3 Passengers
 4 Passengers
 5 or more passengers

Office use	Metropolitan	Office use	Non-Metropolitan
70J	%	76W	%
71K	%	77X	%
72L	%	78A	%
73R	%	79C	%
74T	%	80L	%
75V	%	81R	%
	100%		100%

SECTION H — DRIVER CHARACTERISTICS

25. For all usual drivers of this vehicle, please show the particulars listed in the table below and indicate the percentage of total distance travelled (as shown in Question 16) driven by each person during that period of the twelve months ended 30 September 1976 for which you were the registered owner.

Note: A driver's marital status should be stated as either:

A driver's occupation should be stated as either:

- S — Never married
- M — Presently married
- P — Married but permanently separated
- W — Widowed
- D — Divorced

- 1 — Employee
- 2 — Self-employed
- 3 — Housewife
- 4 — Student
- 5 — Retired/Pensioner
- 6 — Other

Driver	Sex (M or F)	Age	Marital status	Occupation	Year first obtained drivers or riders licence	Percentage of distance travelled (by this vehicle) with this driver
Driver 1					19.....	%
Driver 2					19.....	%
Driver 3					19.....	%
Driver 4					19.....	%
Driver 5					19.....	%
						100%

SECTION I — TOWING

Office use only

26. Please estimate the distance travelled by this vehicle while towing any of the following during that period of the twelve months ended 30 September 1976 for which you were the registered owner:

DISTANCE
(tick appropriate box)

1 Miles

2 Kilometres

100K

Caravan

101L

Box trailer

102R

Boat trailer

103T

Other (please specify) _____

104V

SECTION J — ADDITIONAL HOUSEHOLD VEHICLES

27. On 30 September 1976 were you or any other member of your household registered owners of any other vehicles that were used mainly for private purposes?

Note: For companies, government departments, etc., tick NOT APPLICABLE.

1 YES (Continue next question)

2 NO (Go to Q.29)

3 NOT APPLICABLE (Go to Q.29)

106X

28. For each additional registered vehicle please provide a separate estimate of the total distance travelled for private purposes during that period of the twelve months ended 30 September 1976 for which you, or any other members of your household, were the registered owners.

Note: If any vehicle was not owned for the full twelve months period please show the date of purchase and the total distance travelled up to 30 September 1976.

	TYPE (tick appropriate box)				YEAR OF MANUFACTURE	DATE OF PURCHASE (If after 30 September 1975)	DISTANCE TRAVELLED FOR PRIVATE PURPOSES (tick appropriate box)
	Car, station wagon	Utility	Panel Van	Motor Cycle			
1.	<input type="checkbox"/> 10	<input type="checkbox"/> 30	<input type="checkbox"/> 31	<input type="checkbox"/> 80	19_____	/ /7	1 <input type="checkbox"/> Miles 2 <input type="checkbox"/> Kilometres
2.	<input type="checkbox"/> 10	<input type="checkbox"/> 30	<input type="checkbox"/> 31	<input type="checkbox"/> 80	19_____	/ /7	
3.	<input type="checkbox"/> 10	<input type="checkbox"/> 30	<input type="checkbox"/> 31	<input type="checkbox"/> 80	19_____	/ /7	
4.	<input type="checkbox"/> 10	<input type="checkbox"/> 30	<input type="checkbox"/> 31	<input type="checkbox"/> 80	19_____	/ /7	
5.	<input type="checkbox"/> 10	<input type="checkbox"/> 30	<input type="checkbox"/> 31	<input type="checkbox"/> 80	19_____	/ /7	

SECTION K — REMARKS

29. Brief comments would be appreciated on any special features relating to the information you have supplied in response to any of the questions on this form.

Particulars of person completing this form or person who can be contacted if any queries arise regarding this return.

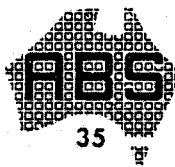
NAME: _____
(BLOCK LETTERS)

SIGNATURE: _____

TELEPHONE NO.: _____

DATE: _____ 1976

TELEPHONE EXCHANGE: _____



CONFIDENTIAL

AUSTRALIAN BUREAU OF STATISTICS
NEW SOUTH WALES OFFICE

Registration No. — Please quote in all correspondence

This questionnaire must be completed, signed, and returned within 14 DAYS to:

The Deputy Commonwealth Statistician,
Box 796, G.P.O.,
SYDNEY, 2001
For enquiries: Telephone SYDNEY 20248
or CANBERRA 525449

Please amend name and address if necessary

SURVEY OF MOTOR VEHICLE USAGE
TWELVE MONTHS ENDED 30 SEPTEMBER 1976

This return is required under the authority of the Census and Statistics Act 1905-1973, and is therefore **COMPULSORY**. The Act provides that the contents of individual returns are **CONFIDENTIAL** and will not be disclosed to any government or private organisation, or any person except authorised officers of the Australian Bureau of Statistics.

- This form must be completed for the vehicle with the registration number shown on the address label above **EVEN IF YOU ARE NO LONGER THE REGISTERED OWNER.**
- If you were not the registered owner for the whole of the twelve months ended 30 September 1976 give particulars relating to that part of the year for which you were the registered owner.
- Where information cannot be provided from records maintained during the year, careful estimates should be made.

SECTION A — PARTICULARS OF VEHICLE WITH THE REGISTRATION NUMBER SHOWN ON THE ADDRESS LABEL AT THE TOP OF THIS FORM		Office use only	
1. Make (e.g. Holden, Dodge, Ford, International)		01C	
2. Body Type (tick appropriate box)			
Utility	<input type="checkbox"/> 30		
Panel Van	<input type="checkbox"/> 31		
Truck - rigid	<input type="checkbox"/> 40	03J	
Truck - articulated	<input type="checkbox"/> 50		
Other (please specify)	<input type="checkbox"/>		
3. Vehicle Weights			
<i>Note: (1) Separate lines are provided for either imperial or metric units of weight, as preferred.</i>			
<i>(2) For articulated trucks or other trailer combinations state the weight of the USUAL prime mover and trailer combination.</i>			
Tare Weight (i.e. unloaded weight of the vehicle, plus trailer where applicable)	Tare Weight		
	.....tons.....cwt	04K	
	OR		
	.....kilograms	05L	
Aggregate weight (i.e. fully loaded weight of the vehicle, plus trailer where applicable)	Aggregate Weight		
	.....tons.....cwt	06R	
	OR		
	.....kilograms	07T	
4. Number of Axles			
<i>Note: The number of axles is defined as the number of road wheels as viewed from the side of the vehicle. If the vehicle is an articulated truck or other trailer combination, state the number of rows of wheels of the USUAL prime mover and trailer combination.</i>			
	.....	09W	
	(number of axles)		
5. Year of Manufacture	19.....	10F	

6. Garaging address Please state the address at which this vehicle was usually garaged (or parked outside) overnight, during that period of the twelve months ended 30 September 1976 for which you were the registered owner.	_____	Office Use Only	
	_____	11J	
	POSTCODE _____		

SECTION B — OWNERSHIP

7. Are you still the registered owner of this vehicle?	1 <input type="checkbox"/> YES (<i>Go to Q.11</i>) 2 <input type="checkbox"/> NO (<i>Continue next question</i>)	12K	
8. Date on which you ceased to be the registered owner.	/ / 197	13L	
9. Please indicate the reason you are no longer the registered owner. (<i>tick appropriate box</i>)	Registration cancelled or lapsed 1 <input type="checkbox"/> (<i>Go to Q.11</i>) Vehicle disposed of 2 <input type="checkbox"/> (<i>Continue next question</i>)	14R	
10. Name and address of person to whom vehicle was disposed.	Name _____ Address _____ POSTCODE _____	15T	
11. Did you become the registered owner of this vehicle during the twelve months ended 30 September 1976? (<i>tick appropriate box</i>)	1 <input type="checkbox"/> YES (<i>Continue next question</i>) 2 <input type="checkbox"/> NO (<i>Go to Q.13</i>)	16V	
12. On what date did you obtain the vehicle?	/ / 197	17W	

SECTION C — FUEL CONSUMPTION

13. Please estimate the average rate of fuel consumption of this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner. <i>Note: Separate lines are provided for alternative units of measurement, as preferred.</i>	.....miles/gallon	18X	
	OR		
	.....kilometres/gallon	19A	
	OR		
	.....kilometres/litre	20K	
	OR		
	.....litres/100 kilometres	21L	
14. Type of fuel used (<i>tick appropriate box</i>)			
Petrol	1 <input type="checkbox"/>	22R	
Diesel fuel or distillate	2 <input type="checkbox"/>		
Other (<i>please specify</i>)	3 <input type="checkbox"/>		

SECTION D — CHARACTERISTICS OF DISTANCE TRAVELLED

15. Please estimate the total distance travelled by this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner. <i>Note: Separate lines are provided for either imperial or metric units, as preferred.</i>	.....miles	23T	
	OR		
	.....kilometres	24V	
16. Of the total distance travelled as shown in Question 15, please estimate the distance travelled on farms, forest fire trails, quarries, unused land and other "off-road" areas.	.....miles	25W	
	OR		
	.....kilometres	26X	

7. DISTANCE TRAVELLED FOR SPECIFIED PURPOSES

Please complete the following table by splitting Total Distance Travelled as shown in Question 15 into the categories shown.

Note: (1) **TRAVEL FOR BUSINESS, PROFESSIONAL, FARM OR GOVERNMENT PURPOSES**

- INCLUDE distance travelled for hire and reward, chargeable to a business expense or for which an allowance was received.
- EXCLUDE travel to and from work or for private purposes.

(2) **TRAVEL TO AND FROM WORK**

- INCLUDE only travel to and from work at the beginning and end of each work day.
- EXCLUDE
 - (i) Lunchtime travel
 - (ii) Travel between various locations during the day
 - (iii) Travel other than by this vehicle.
- PAID TRAVEL is that which is chargeable to a business expense or for which an allowance was received. All other travel should be shown as UNPAID.

(3) **TRAVEL FOR PRIVATE PURPOSES**

- INCLUDE all distance travelled other than that recorded under previous headings.

PURPOSE	DISTANCE TRAVELLED	Office use
TRAVEL FOR BUSINESS, PROFESSIONAL, FARM OR GOVERNMENT PURPOSES		27A
TRAVEL TO AND FROM WORK — PAID		28C
— UNPAID		29F
TRAVEL FOR PRIVATE PURPOSES		32V
TOTAL DISTANCE TRAVELLED		33W

To agree with answer to Question 15.

8. DISTANCE TRAVELLED IN SPECIFIED AREAS

Please complete the following two tables by splitting Total Distance Travelled as shown in Question 15 within the specified areas.

Note: (1) **SYDNEY AND ENVIRONS** — This is defined as the Sydney Statistical Division and contains the area with the outer boundaries comprising the local government areas of Gosford and Wyong in the north, Baulkham Hills, Windsor, Colo and Blue Mountains in the west and Camden, Campbelltown, Wollondilly and Sutherland in the southwest and south.

(2) **NEWCASTLE DISTRICT** — The local government areas of Maitland, greater Cessnock, Newcastle, Port Stephens and Lake Macquarie.

(3) **WOLLONGONG AND PORT KEMBLA** — The local government areas of Wollongong, Kiama and Shellharbour.

Within New South Wales and Australian Capital Territory	Office use
Within Sydney and environs	34X
Within Newcastle, Wollongong and Port Kembla	35A
Within A.C.T.	36C
Within other areas of N.S.W.	37F
TOTAL, Within N.S.W. and A.C.T.	38J

Within Other States and Territories	Office use
Victoria	40V
Queensland	41W
South Australia	42X
Western Australia	43A
Tasmania	44C
Northern Territory	45F
TOTAL, Other States and Territories	47K

TOTAL DISTANCE TRAVELLED
To agree with answer to Question 15

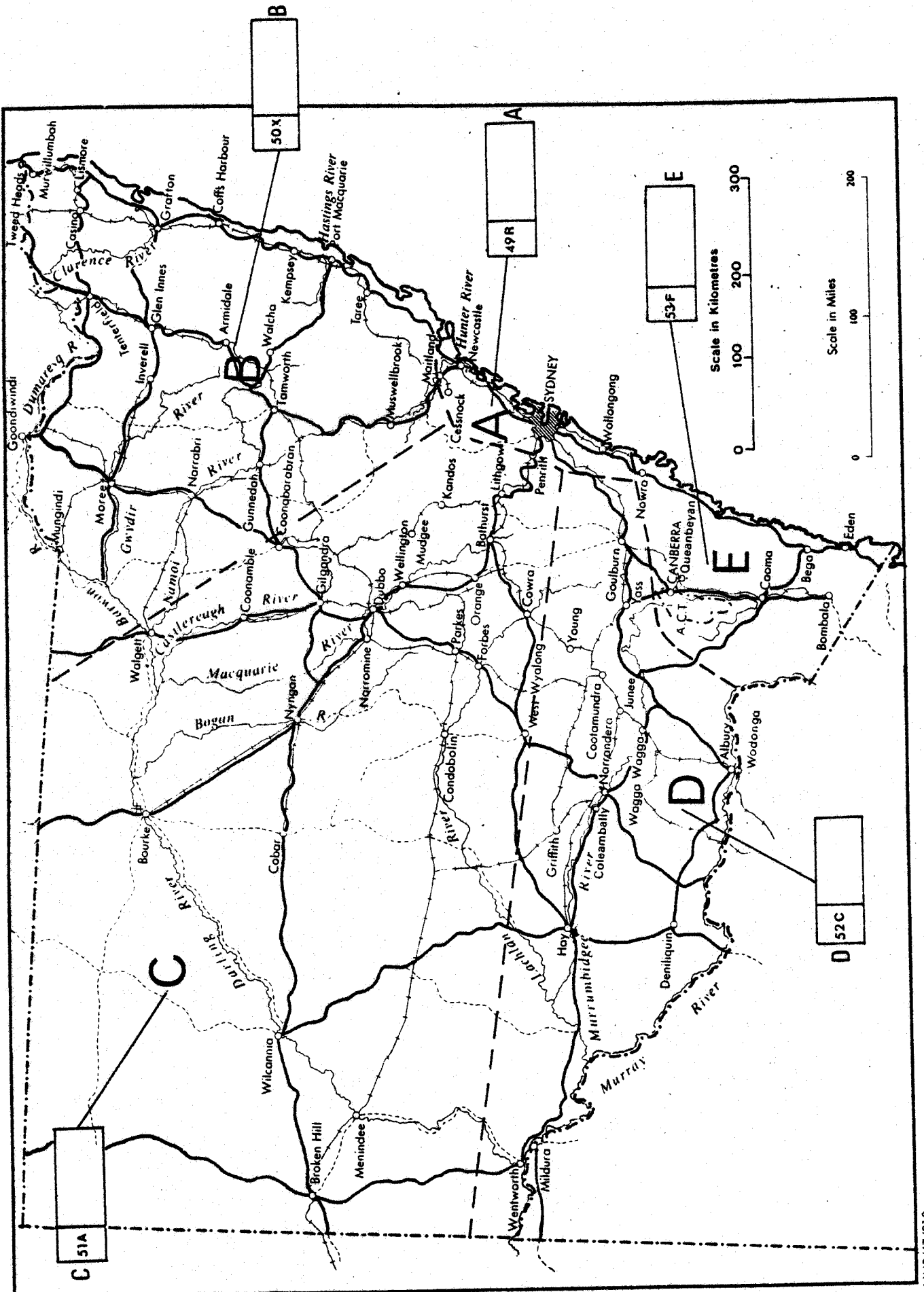
	48L
--	-----

(38J+47K)

9. DISTANCE TRAVELLED IN REGIONS OF NEW SOUTH WALES

Please show in the boxes provided the appropriate distances travelled within the geographic regions shown on the map below.

Note: The sum of the distances travelled in regions A to E below should equal the total distance travelled within New South Wales and the A.C.T. as shown in section 38J on the previous page.



SECTION E — KIND OF BUSINESS		Office use only	
20. Was this vehicle used AT ALL for business, professional, farm or government purposes during that period of the twelve months ended 30 September 1976 for which you were the registered owner? (tick appropriate box)	1 <input type="checkbox"/> YES (Continue next question) 2 <input type="checkbox"/> NO (Go to Q.28)	56L	
21. Please indicate how this vehicle was MAINLY used during that period of the twelve months ended 30 September 1976 for which you were the registered owner. (tick appropriate box) Carrying for hire and reward 1 <input type="checkbox"/> Used in Own Business (other than carrying for hire and reward), Profession or Farm 2 <input type="checkbox"/> Other (please specify) _____ <input type="checkbox"/>		57R	
22. Please indicate the MAIN kind of business in which this vehicle was used during that period of the twelve months ended 30 September 1976 for which you were the registered owner. (Tick one box only) Note: (1) Where the vehicle has mainly been used in carrying for hire and reward, show the kind of business of the main client. If no main client show the kind of business as Road Transport. (2) Vehicles owned by Australian, State or Local governments or by government instrumentalities or authorities should be classified specifically to heading (i) below. (3) Unless (2) above refers, for service vehicles providing an on the spot service to households or businesses tick (j) below and indicate the type of service provided. (a) Agriculture, Forestry, Fishing and Hunting <input type="checkbox"/> 01 (b) Mining <input type="checkbox"/> 02 (c) Manufacturing <input type="checkbox"/> 03 (d) Electricity, Gas or Water <input type="checkbox"/> 04 (e) Building and Construction <input type="checkbox"/> 05 (f) Wholesale and Retail Trade <input type="checkbox"/> 06 (g) Road Transport <input type="checkbox"/> 07 (h) Other Transport and Storage <input type="checkbox"/> 08 (i) Australian, State or Local Government or government instrumentalities or authorities <input type="checkbox"/> 09 (j) Service Vehicles (please specify) _____ <input type="checkbox"/> 10 _____ (k) Other (please specify) _____ <input type="checkbox"/> 11		58T	
23. Please indicate the MAIN type of operation in which this vehicle was used during that period of the twelve months ended 30 September 1976 for which you were the registered owner. (Tick one box only) Within capital city of State of registration <input type="checkbox"/> 1 Between the capital city and the rest of the State of registration <input type="checkbox"/> 2 Outside capital city but within the rest of the State of registration— Within 80 km of base <input type="checkbox"/> 3 Beyond 80 km of base <input type="checkbox"/> 4 Intercapital <input type="checkbox"/> 5 Other Interstate from State of registration— Within 80 km of base <input type="checkbox"/> 6 Beyond 80 km of base <input type="checkbox"/> 7		59V	

SECTION F — LOAD FACTORS		Office use only	
24. What percentage of your total distance travelled for business, professional, farm or government purposes shown in your answer to Question 17 (27A) do you estimate was run under the following conditions?	(Per cent)		
	Empty	%	60C
	Less than fully laden	%	61F
	Fully laden	%	62J
	100%		

SECTION G — LOAD CARRIED

25. Please give an estimate of the weight of the <u>average load</u> carried exclusive of empty running. <i>Note: (1) In the case of collection and delivery services where goods are progressively loaded or unloaded, average load may be estimated as half your usual maximum load.</i> (2) <i>Separate lines are provided for imperial or metric units of weight, as preferred.</i>	.....tons.....cwt	63K
	OR.....kilograms	64L
26. Please give an estimate of the <u>total weight of freight transported</u> by this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner. <i>Note: (1) Separate lines are provided for imperial or metric units of weight, as preferred.</i> (2) <i>Where information cannot be provided from records maintained during the year, a suggested method of calculation is as follows:</i>	.....tons	65R
	OR.....tonnes	66T

Average weight loaded per trip

(as per Question 25)

MULTIPLIED BY

Average number of trips per day \times

(or week)

EQUALS

Total load per day (or week) =

MULTIPLIED BY

Number of days (or weeks) vehicle used \times

EQUALS

TOTAL WEIGHT OF FREIGHT TRANSPORTED
 (transfer to 65R or 66T as appropriate) =

SECTION H — MAIN TYPES OF LOAD CARRIED

Office use only

27. Please specify as a percentage of the total weight of freight transported as shown in Question 26, the main types of commodities carried.

- (1) Livestock
- (2) Fresh fruit and vegetables
- (3) Other agricultural products
- (4) Minerals
- (5) Sand, gravel, stone and earth
- (6) Processed food (incl. beverages)
- (7) Timber (logs and sawn)
- (8) Fertilizers
- (9) Petroleum and petroleum products
- (10) Cement, concrete and concrete products
- (11) Iron and steel and metal manufactures
- (12) Other manufactured goods
- (13) Other (please specify)

(Per cent)

%	82T
%	83V
%	84W
%	85X
%	86A
%	87C
%	88F
%	89J
%	90T
%	91V
%	92W
%	93X
%	94A
100%	

SECTION I — ACCIDENTS

28. Has this vehicle been involved in any accidents on roads or other public thoroughfares in which ANY vehicles were damaged or ANY persons killed or injured (i.e. required medical or surgical treatment) during that period of the twelve months ended 30 September 1976 for which you were the registered owner?

- 1 YES (Continue next question)
- 2 NO (Go to Q.31)

67V

29. In how many accidents was this vehicle involved?

_____ (number)

68W

30. How many of the above accidents resulted in death or injury to any persons involved?

_____ (number)

69X

SECTION J — PASSENGERS

31. Of the total distance travelled by this vehicle during that period of the twelve months ended 30 September 1976 for which you were the registered owner, please estimate the percentage travelled with the following number of occupants.

Note: Metropolitan refers only to the capital city of the State or Territory of registration.

- Driver only
- 1 Passenger
- 2 Passengers
- 3 Passengers
- 4 Passengers
- 5 or more passengers

Office use	Metropolitan	Office use	Non-Metropolitan
70J	%	76W	%
71K	%	77X	%
72L	%	78A	%
73R	%	79C	%
74T	%	80L	%
75V	%	81R	%
	100%		100%

SECTION K — LOCAL FLEET COMPOSITION

32. If this vehicle is one of a fleet of vehicles (i.e. a group of vehicles operating from one base of operations) please indicate the number of vehicles, including the vehicle reported on in earlier questions, within the fleet according to the body type classifications specified below.

VEHICLE TYPE	Number	Office use only	
Cars and Station Wagons - - - - -		107A	
Utilities - - - - -		108C	
Panel Vans - - - - -		109F	
Trucks: rigid —			
Less than 3 tons tare weight - - - - -		110R	
3 - 4 tons tare weight - - - - -		111T	
More than 4 tons tare weight - - - - -		112V	
Trucks: articulated —			
Less than 9 tons tare weight - - - - -		113W	
9 - 11 tons tare weight - - - - -		114X	
More than 11 tons tare weight - - - - -		115A	
Buses - - - - -		116C	
Other (specify) _____			
TOTAL VEHICLES IN FLEET			

SECTION L — REMARKS

33. Brief comments would be appreciated on any special features relating to the information you have supplied in response to any of the questions on this form.

Particulars of person completing this form or person who can be contacted if any queries arise regarding this return.

Name: _____
(BLOCK LETTERS)

Signature: _____

Telephone No.: _____

Date: _____ 1976

Telephone Exchange: _____

SIT 1980

~~20 DEC 1995~~

~~4 SEP 1995~~