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PROJECTIONS OF THE POPULATION OF AUSTRALIA
1955 TO 1975 (FIVE YEARLY INTERVALS)

The attached projections of the population of Australia were prepared in 1956 for the Inter-departmental Committee on the Retiring Age set up to review and report on problems associated with the employment of persons aged 60 years and over. Subsequent demand for information concerning prospective population growth has been substantial and the projections have been reproduced in mimeographed form to meet requests for data of this nature.

Users should note carefully the assumptions and the limitations of these projections as set out below.

Projections have been made separately for the two components -

- (i) The estimated population at 30th June, 1955, projected without regard to subsequent migration;
- (ii) The increment of population from a hypothetical level of net immigration of 100,000 persons per annum after 30th June, 1955.

No projections of the total population obtained by combining (i) and (ii) have been included. It is to be stressed that such totals would have no significance in view of the fact that the level of migration assumed since 30th June, 1955, is purely hypothetical. This hypothetical figure of 100,000 persons per annum is only a convenient unit to facilitate pro-rata calculations for any other unit. Its use is not meant to imply any view as to absorptive capacity or probable rate of net immigration.

The forecasting of population movements is highly speculative, and has not been attempted in the present projections, which are purely hypothetical calculations of the components of population that would be attained if various assumptions were realised. It is not possible to forecast the forces determining population change, particularly over any length of time. Trends in natural increase and migration in Australia are influenced by many factors, such as economic conditions, Government policy, occurrence or fear of war, assurance of peace and the personal reactions of millions of individuals to changing circumstances.

The projections are not to be taken in any way as official estimates or forecasts by the Commonwealth Statistician. If quoted, they are to be referred to as hypothetical calculations in the preceding terms.

Two sets of projections ("A" and "B") have been made depending on the assumption as to fertility. Fertility and mortality experiences have been assumed at approximately current levels until June, 1960, and subsequently as described in the footnotes to the tables.

ESTIMATED AND PROJECTED POPULATION OF AUSTRALIA

1955 TO 1975

MALES

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Projections as at 30th June -

Age Last Birthday (Years)	Estimate, 30th June 1955	Projections as at 30th June -							
		1960	1965		1970		1975		
		A & B	A	B	A	B	A	B	
(i) Exclusive of Migration Subsequent to 30th June, 1955									
0 - 4	502,532	497,931	506,639	454,838	557,588	439,286	631,138	427,741	
5 - 9	481,642	499,112		494,665	503,315	451,775	553,930	436,404	
10 - 14	377,656	479,814		497,244		492,815	501,433	450,085	
15 - 19	314,866	375,694		477,507		494,846			490,435
20 - 24	309,014	312,370		372,874		473,905			491,109
25 - 29	370,135	306,429		309,747		369,741			469,926
30 - 34	374,710	366,827		303,776		307,072			366,553
35 - 39	328,178	370,681		363,047		300,644			303,918
40 - 44	332,475	323,239		365,536		357,982			296,442
45 - 49	293,598	324,496		316,192		357,568			350,128
50 - 54	247,591	282,005		312,889		304,847			344,738
55 - 59	203,631	231,107		264,849		293,854			286,241
60 - 64	176,082	182,233		208,649		239,119			265,306
65 - 69	148,436	148,119		155,719		178,164			204,184
70 - 74	96,700	114,465		116,406		122,619			140,152
75 - 79	57,651	64,738		79,329		80,416			84,990
80 - 84	27,541	31,402		36,984		45,356			45,772
85 and over	14,613	13,902		16,702		19,787			24,094
Total	4,657,051	4,924,564	5,198,756	5,146,955	5,499,638	5,329,796	5,850,489	5,478,218	

(ii) Net Immigration Subsequent to 30th June, 1955 at Assumed Rate of 100,000 Persons Per Annum

0 - 4	-	29,830	63,860	58,738	96,518	79,841	131,867	95,708	
5 - 9	-	33,840		63,476	97,283	92,195	129,727	113,159	
10 - 14	-	25,867		59,587		89,112	122,793	117,723	
15 - 19	-	24,182		49,929		83,486			112,866
20 - 24	-	41,011		65,008		90,563			123,865
25 - 29	-	49,537		90,209		114,004			139,345
30 - 34	-	34,096		83,212		123,532			147,121
35 - 39	-	21,371		55,133		103,743			143,647
40 - 44	-	17,180		38,276		71,576			119,512
45 - 49	-	11,400		28,230		48,872			81,460
50 - 54	-	4,784		15,800		32,029			51,943
55 - 59	-	2,851		7,365		17,728			32,973
60 - 64	-	1,516		4,101		8,185			17,560
65 - 69	-	802		2,107		4,318			7,817
70 - 74	-	413		1,050		2,087			3,825
75 - 79	-	177		465		908			1,631
80 - 84	-	54		157		321			577
85 and over	-	25		55		106			188
Total	-	298,936	628,020	622,898	984,371	962,606	1,368,717	1,310,920	

(i) Represents the estimated population at 30th June, 1955, projected on the basis of the following assumptions: -

Fertility - Basis A: Average of 1952-54 age-specific fertility rates throughout;**Basis B:** Average of 1952-54 age-specific fertility rates until 30th June, 1960, thereafter diminishing uniformly to 1939 rates in the period 1970-75.**Mortality -** Rates of mortality contained in the 1946-48 Tables, suitably adjusted in the light of the latest information available, have been applied uniformly to each year to June, 1960; on the basis of mortality records over many years, lighter rates at all ages have been applied uniformly throughout the subsequent period.(ii) Represents the increments from Overseas Migration on the convenient unit of 100,000 persons per annum (assuming the sex and age distributions recorded for net migration during the period 1952-54), together with natural increase calculated on the same assumptions as above for fertility and mortality.**Note:** The assumptions above are to be carefully noted, and the projections to be interpreted and used in the light of the explanatory notes in the accompanying statement.

ESTIMATED AND PROJECTED POPULATION OF AUSTRALIA

1955 TO 1975

FEMALES

Age Last Birthday (Years)	Estimate, 30th June, 1955	Projections as at 30th June -					
		1960	1965		1970		1975
		A & B	A	B	A	B	A & B

(i) Exclusive of Migration Subsequent to 30th June, 1955

0 - 4	481,737	477,023	485,108	435,432	533,891	420,617	604,315	409,563
5 - 9	459,238	479,144		474,557	482,600	433,181	531,131	418,442
10 - 14	362,496	458,116		478,061		473,485	481,509	432,202
15 - 19	299,017	361,672		457,281		477,104		472,619
20 - 24	284,839	298,030		360,724		456,077		475,843
25 - 29	333,871	283,466		296,887		359,348		454,328
30 - 34	351,689	331,823		282,076		295,438		357,599
35 - 39	319,026	348,931		329,763		280,324		293,610
40 - 44	315,711	315,687		346,052		327,037		278,007
45 - 49	268,514	311,000		311,891		341,891		323,087
50 - 54	230,330	261,598		304,009		304,817		334,134
55 - 59	212,901	220,931		251,673		292,480		293,209
60 - 64	198,343	200,282		208,817		237,917		276,502
65 - 69	167,237	180,263		183,635		191,416		218,159
70 - 74	117,655	142,889		156,280		159,288		165,961
75 - 79	77,694	90,306		112,603		122,908		125,513
80 - 84	40,028	49,872		60,512		75,487		82,106
85 and over	23,314	25,959		33,858		44,127		52,772
Total	4,543,640	4,836,992	5,133,787	5,084,111	5,455,635	5,292,942	5,820,404	5,463,656

(ii) Net Immigration Subsequent to 30th June, 1955 at Assumed Rate of 100,000 Persons per Annum

0 - 4	-	28,898	61,469	56,565	92,740	76,771	126,586	91,963
5 - 9	-	31,166		59,922	92,324	87,446	123,434	107,547
10 - 14	-	22,029		53,130		81,821	114,149	109,282
15 - 19	-	16,440		38,434		69,479		98,117
20 - 24	-	18,278		34,685		56,622		87,586
25 - 29	-	26,686		44,909		61,253		83,107
30 - 34	-	26,956		53,532		71,667		87,930
35 - 39	-	20,285		47,093		73,498		91,522
40 - 44	-	15,438		35,582		62,169		88,353
45 - 49	-	9,838		25,108		45,012		71,281
50 - 54	-	5,350		14,982		29,911		49,375
55 - 59	-	3,977		9,135		18,407		32,172
60 - 64	-	2,934		3,977		11,584		20,356
65 - 69	-	2,025		4,731		8,191		12,668
70 - 74	-	1,237		3,009		5,359		8,362
75 - 79	-	580		1,567		2,962		4,817
80 - 84	-	113		510		1,173		2,108
85 and over	-	34		105		336		754
Total	-	232,264	494,608	489,704	784,508	763,661	1,103,277	1,047,900

(i) Represents the estimated population at 30th June, 1955, projected on the basis of the following assumptions: -

Fertility - Basis A: Average of 1952-54 age-specific fertility rates throughout;**Basis B:** Average of 1952-54 age-specific fertility rates until 30th June, 1960, thereafter diminishing uniformly to 1939 rates in the period 1970-75.**Mortality** - Rates of mortality contained in the 1946-48 Tables, suitably adjusted in the light of the latest information available, have been applied uniformly to each year to June, 1960; on the basis of mortality records over many years, lighter rates at all ages have been applied uniformly throughout the subsequent period.(ii) Represents the increments from Overseas Migration on the convenient unit of 100,000 persons per annum (assuming the sex and age distributions recorded for net migration during the period 1952-54), together with natural increase calculated on the same assumptions as above for fertility and mortality.**Note:** The assumptions above are to be carefully noted, and the projections to be interpreted and used in the light of the explanatory notes in the accompanying statement.

ESTIMATED AND PROJECTED POPULATION OF AUSTRALIA

1955 TO 1975

PERSONS

Age Last Birthday (Years)	Estimate, 30th June, 1955	Projections as at 30th June -						
		1960	1965		1970		1975	
		A & B	A	B	A	B	A	B
(i) Exclusive of Migration Subsequent to 30th June, 1955								
0 - 4	984,269	974,954	991,747	890,270	1,091,479	859,903	1,235,453	837,304
5 - 9	940,880	978,256	969,222	975,305	985,915	884,956	1,085,061	854,846
10 - 14	740,152	937,930	966,300	971,950	966,300	982,942	963,054	882,287
15 - 19	613,883	737,366	934,788	929,982	971,950		966,952	
20 - 24	593,853	610,400	733,598	729,089	929,982		924,254	
25 - 29	704,006	589,895	606,634	602,510	729,089		724,152	
30 - 34	726,399	698,650	585,852	580,968	602,510		597,528	
35 - 39	647,204	719,612	692,810	685,019	580,968		574,449	
40 - 44	648,166	638,926	711,588	699,459	685,019		673,215	
45 - 49	562,112	635,496	628,083	609,664	699,459		678,872	
50 - 54	477,921	543,603	616,898	586,334	609,664		579,450	
55 - 59	416,532	452,038	516,522	477,036	586,334		541,808	
60 - 64	374,425	382,515	417,466	369,580	477,036		422,343	
65 - 69	315,673	328,382	339,354	281,907	369,580		306,113	
70 - 74	214,355	257,354	272,686	203,324	281,907		210,503	
75 - 79	135,345	155,044	191,932	120,843	203,324		127,878	
80 - 84	67,569	81,274	97,496	63,914	120,843		76,866	
85 and over	37,927	39,861	50,562		63,914			
Total	9,200,691	9,761,556	10,332,543	10,231,066	10,955,273	10,622,738	11,670,893	10,941,874

(ii) Net Immigration Subsequent to 30th June, 1955 at Assumed Rate of 100,000 Persons per Annum

0 - 4	-	58,728	125,329	115,303	189,258	156,612	258,453	187,671
5 - 9	-	65,006	123,398	112,717	189,607	179,641	253,161	220,706
10 - 14	-	47,896	112,717	88,363	170,933	152,965	236,942	227,005
15 - 19	-	40,622	88,363	99,693	152,965	147,185	210,983	211,451
20 - 24	-	59,289	99,693	135,118	147,185	175,257	222,452	235,051
25 - 29	-	76,223	135,118	136,744	175,257	195,199	235,169	207,865
30 - 34	-	61,052	136,744	102,226	195,199	177,241	207,865	152,741
35 - 39	-	41,656	102,226	73,858	177,241	133,745	101,318	65,745
40 - 44	-	32,618	73,858	53,338	133,745	93,884	37,916	20,485
45 - 49	-	21,238	53,338	30,782	93,884	61,940	12,187	6,448
50 - 54	-	10,134	30,782	16,500	61,940	36,135	2,685	942
55 - 59	-	6,828	16,500	10,806	36,135	19,769		
60 - 64	-	4,450	10,806	6,838	19,769	12,509		
65 - 69	-	2,827	6,838	4,059	12,509	7,446		
70 - 74	-	1,650	4,059	2,032	7,446	3,870		
75 - 79	-	757	2,032	667	3,870	1,494		
80 - 84	-	167	667	160	1,494	442		
85 and over	-	59	160		442			
Total	-	531,200	1,122,628	1,112,602	1,768,879	1,726,267	2,471,994	2,358,820

(i) Represents the estimated population at 30th June, 1955, projected on the basis of the following assumptions: -

Fertility - Basis A: Average of 1952-54 age-specific fertility rates throughout;**Basis B:** Average of 1952-54 age-specific fertility rates until 30th June, 1960, thereafter diminishing uniformly to 1939 rates in the period 1970-75.**Mortality** - Rates of mortality contained in the 1946-48 Tables, suitably adjusted in the light of the latest information available, have been applied uniformly to each year to June, 1960; on the basis of mortality records over many years, lighter rates at all ages have been applied uniformly throughout the subsequent period.

(ii) Represents the increments from Overseas Migration on the convenient unit of 100,000 persons per annum (assuming the sex and age distributions recorded for net migration during the period 1952-54), together with natural increase calculated on the same assumptions as above for fertility and mortality.

Note: The assumptions above are to be carefully noted, and the projections to be interpreted and used in the light of the explanatory notes in the accompanying statement.