

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, AUSTRALIA
STATISTICAL BULLETIN : THE DAIRYING INDUSTRY, AUSTRALIA
SIX MONTHS ENDED DECEMBER 1968 : VOLUME 31 - NO. 14

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FOREWORD

This issue includes detailed statistics for the six months ended December 1968. Supplementary issues of this bulletin are published each month, but relate mainly to monthly particulars of the production and utilisation of whole milk and factory production of butter, cheese and processed milk products.

While most of the statistical information contained in this bulletin has been collected and compiled in this Bureau, some data have also been obtained from the Department of Primary Industry, the Commonwealth Dairy Produce Equalisation Committee Ltd, and the Australian Dairy Produce Board, relative to Australian and overseas prices, subsidies, and stocks of dairy produce held in main cold stores. To each of these authorities thanks are due for its valuable assistance and co-operation.

Table 2 includes seasonally adjusted figures for whole milk produced. In the seasonal adjustment, account has been taken of both normal seasonal factors and "trading-day" effects. Details of the methods used in seasonally adjusting this and other series are given in "Seasonally Adjusted Indicators, 1968" (Ref. No. 1.10) issued on 21 May 1968.

SYMBOLS USED IN THIS BULLETIN

- p - Preliminary. Subject to revision.
- .. - Nil or less than half the final digit shown, or not applicable.

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

I. DAIRY BULLS, AND COWS AND HEIFERS FOR MILK PRODUCTION

The wording and layout of the cattle section of the statistical forms used for the Agricultural, Dairying and Pastoral Census conducted at 31 March each year was changed in 1964 from that used previously. Consequently detailed statistics of cattle from 1964 onwards are not comparable with those published for earlier years.

TABLE 1. - DAIRY BREED BULLS, AND COWS AND HEIFERS USED OR INTENDED FORPRODUCTION OF MILK OR CREAM : AUSTRALIA
(Number)

31 March -	Bulls, dairy breed (a)	Cows and heifers used or intended for production of milk or cream for sale			House cows and heifers (b)
		Cows (in milk and dry)	Heifers		
			1 year and over (c)	Under 1 year	
1964	99,270	3,078,075	821,286	717,895	218,098
1965	95,012	3,011,832	843,212	690,267	202,138
1966 -					
New South Wales	19,007	675,482	194,998	134,147	92,773
Victoria	39,162	1,191,707	320,122	325,026	30,351
Queensland	16,887	626,663	167,686	103,754	39,291
South Australia	6,175	154,941	45,776	38,425	6,274
Western Australia	4,438	109,291	52,068	32,051	10,182
Tasmania	4,296	148,452	41,951	47,317	6,265
Northern Territory	12	349	96	82	25
Aust. Cap. Territory	32	1,487	190	231	428
<u>AUSTRALIA</u>	90,009	2,908,372	822,887	681,033	185,589
1967 -					
New South Wales	18,261	668,197	164,829	126,914	91,982
Victoria	40,410	1,211,243	347,146	326,244	28,035
Queensland	15,354	598,795	138,847	104,956	37,351
South Australia	5,950	148,505	47,128	37,137	6,655
Western Australia	3,324	102,920	49,904	31,941	9,426
Tasmania	3,890	149,148	47,521	44,494	5,762
Northern Territory	15	322	226	97	27
Aust. Cap. Territory	31	1,551	170	174	437
<u>AUSTRALIA</u>	87,235	2,880,681	795,771	671,957	179,675
1968 -					
New South Wales	16,963	644,887	153,515	134,399	86,471
Victoria	38,714	1,200,140	337,887	345,316	26,340
Queensland	13,712	556,179	127,754	99,187	34,743
South Australia	5,476	138,871	42,366	35,524	6,877
Western Australia	3,087	99,547	49,624	29,536	8,903
Tasmania	3,508	152,179	43,321	44,802	5,529
Northern Territory	23	368	45	45	120
Aust. Cap. Territory	29	1,479	75	229	401
<u>AUSTRALIA</u>	81,512	2,793,650	754,587	689,038	169,384

(a) Used or intended for service; excludes bull calves (under 1 year). (b) Kept primarily for rural holdings' own milk supply. (c) Springing (within 3 months of calving) and other.

Holdings with milk cattle - classification according to size of herd. Special tabulations relating to size and type of rural holdings, including a classification of holdings according to size of milk cattle herd showing the number of holdings in each size group, were published (April 1968) in a series of bulletins, one for each State and one for Australia, entitled "Classification of Rural Holdings by Size and Type of Activity, 1965-66" (Ref. No. 10.28). Similar information was published for the year 1959-60.

II. WHOLE MILK

TABLE 2. - PRODUCTION AND UTILISATION OF WHOLE MILK : AUSTRALIA

Period	Quantity of whole milk used for -								Total whole milk		Seasonally adjusted (c)
	Factory butter		Factory cheese		Processed milk products(a)		Other purposes (b)		Original		
	'000gal	%	'000gal	%	'000gal	%	'000gal	%	'000gal	%	'000gal
1963-64	940,787	62.9	130,431	8.7	92,235	6.2	332,942	22.2	1,496,395	100	..
1964-65	938,796	61.7	135,733	8.9	96,973	6.4	349,362	23.0	1,520,864	100	..
1965-66	949,270	62.4	126,575	8.3	93,189	6.1	352,979	23.2	1,522,013	100	..
1966-67 -											
<u>Total, July to December</u>	640,106	66.2	92,950	9.6	56,939	5.9	176,554	18.3	966,549	100	..
January	113,831	67.8	15,059	9.0	10,089	6.0	28,791	17.2	167,770	100	137,100
February	83,247	64.0	10,515	8.1	7,964	6.1	28,350	21.8	130,076	100	136,300
March	69,443	59.9	9,475	8.2	7,040	6.1	30,046	25.9	116,004	100	136,600
April	44,023	51.6	6,814	8.0	4,803	5.6	29,688	34.8	85,328	100	129,500
May	33,225	45.2	6,027	8.2	4,089	5.6	30,215	41.1	73,556	100	126,400
June	27,125	41.4	5,707	8.7	3,122	4.8	29,513	45.1	65,467	100	120,100
<u>Total, year 1966-67</u>	1,011,000	63.0	146,547	9.1	94,046	5.9	353,157	22.0	1,604,750	100	..
1967-68p -											
July	42,451	49.4	8,144	9.5	5,229	6.1	30,089	35.0	85,913	100	129,800
August	74,502	59.2	12,667	10.1	8,898	7.1	29,864	23.7	125,931	100	130,600
September	102,915	64.4	16,412	10.3	11,272	7.1	29,233	18.3	159,832	100	131,300
October	129,543	66.9	20,250	10.5	13,571	7.0	30,292	15.6	193,656	100	129,700
November	126,713	67.0	19,628	10.4	12,886	6.8	29,788	15.8	189,015	100	129,600
December	113,794	65.6	18,032	10.4	12,170	7.0	29,343	16.9	173,339	100	126,600
<u>Total, July to December</u>	589,918	63.6	95,133	10.3	64,026	6.9	178,609	19.7	927,686	100	..
January	99,427	64.3	15,244	9.9	10,684	6.9	29,313	19.0	154,668	100	124,600
February	69,832	58.8	11,141	9.4	7,895	6.6	29,863	25.2	118,731	100	120,900
March	49,861	52.1	8,844	9.2	5,739	6.0	31,226	32.6	95,670	100	115,500
April	34,029	45.9	6,303	8.5	3,971	5.4	29,848	40.3	74,151	100	108,900
May	26,040	39.7	5,595	8.5	3,538	5.4	30,501	46.4	65,674	100	113,200
June	24,483	37.8	6,303	9.7	4,285	6.6	29,763	45.9	64,834	100	123,000
<u>Total, year 1967-68</u>	893,590	59.5	148,563	9.9	100,138	6.7	359,123	23.9	1,501,414	100	..
1968-69p -											
July	42,924	48.8	9,741	11.1	4,921	5.6	30,426	34.6	88,012	100	129,200
August	74,390	58.5	14,682	11.5	7,839	6.2	30,209	23.8	127,120	100	132,600
September	102,618	63.8	18,359	11.4	10,412	6.5	29,541	18.4	160,930	100	132,700
October	122,231	65.8	20,917	11.3	11,785	6.3	30,736	16.6	185,669	100	123,700
November	118,437	66.1	19,387	10.8	11,133	6.2	30,242	16.9	179,199	100	122,900
December	111,541	65.5	17,765	10.4	11,066	6.5	29,987	17.6	170,359	100	123,200
<u>Total, July to December</u>	572,141	62.8	100,851	11.1	57,156	6.3	181,141	19.9	911,289	100	..
Percentage change, Six months ended December, 1968 on 1967	-3.0	..	6.0	..	-10.7	..	1.4	..	-1.8	..	..

(a) Quantities of milk used to produce two or more products (for example, initially as full cream milk and subsequently as skim milk) are counted once only. (b) Principally fluid milk for domestic purposes. From 1964-65, includes milk used for farm production of butter and cheese. (c) See foreword. (d) Includes milk equivalent of farm production.

Monthly estimates of the quantity of milk used in the manufacture of factory butter and cheese have been derived from recorded monthly output of these commodities on the basis of factors ascertained from the annual factory returns. Monthly estimates of milk used for processed milk products are obtained from factories engaged in this industry. The amount of milk used for other purposes represents the quantity recorded by Milk Boards in the several States, plus an estimate of the quantity consumed in areas outside those controlled by these Boards. Milk used for other purposes also includes milk consumed on farms, quantities used by factories for manufacture of confectionery, etc., and, from 1964-65, the milk equivalent of farm production of butter and cheese.

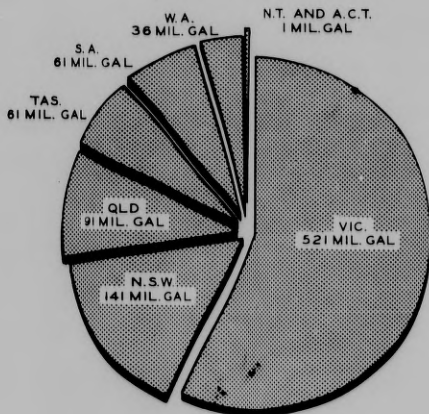
TABLE 3. - PRODUCTION OF WHOLE MILK (a)

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia (b)
	- '000 gal -							
1963-64	322,547	694,990	239,827	97,523	57,162	83,124	1,146	1,496,395
1964-65	291,331	745,896	230,289	102,330	61,883	87,343	1,094	1,520,864
1965-66	300,740	750,915	221,086	98,398	61,865	87,890	1,026	1,522,013
1966-67 -								
<u>Total, July to December</u>	169,777	517,242	121,545	61,885	36,242	59,245	564	966,549
January	33,555	85,683	26,405	7,974	3,423	10,617	105	167,770
February	30,212	60,112	24,018	5,844	2,329	7,461	92	130,076
March	29,541	48,729	23,676	5,627	2,327	5,998	98	116,004
April	22,433	35,305	16,293	5,132	2,332	3,739	86	85,328
May	20,595	26,335	14,191	6,010	3,930	2,407	80	73,556
June	16,882	23,267	12,006	6,255	5,028	1,951	70	65,467
<u>Total, year 1966-67</u>	322,995	796,673	238,134	98,727	55,611	91,418	1,095	1,604,750
1967-68p -								
July	19,743	36,661	13,658	6,939	5,597	3,234	72	85,913
August	23,342	65,818	16,434	7,840	5,893	6,521	75	125,931
September	27,839	88,604	18,668	9,141	6,226	9,264	82	159,832
October	33,791	109,782	20,670	10,466	6,623	12,214	102	193,656
November	35,226	103,340	22,414	9,322	5,787	12,820	98	189,015
December	32,898	93,121	22,457	8,206	4,631	11,923	95	173,339
<u>Total, July to December</u>	172,839	497,326	114,301	51,914	34,757	55,976	524	927,686
January	31,643	78,229	23,852	6,931	3,367	10,542	96	154,668
February	28,901	53,102	21,573	5,404	2,496	7,162	85	118,731
March	25,180	38,026	18,626	5,029	2,341	6,381	79	95,670
April	20,828	26,511	14,160	4,970	2,543	5,059	72	74,151
May	17,587	22,274	11,838	6,489	4,069	3,338	71	65,674
June	15,823	23,540	10,887	7,323	4,847	2,335	71	64,834
<u>Total, year 1967-68</u>	312,801	739,008	215,237	88,060	54,420	90,793	998	1,501,414
1968-69p -								
July	17,782	39,702	11,956	8,650	5,810	4,041	62	88,012
August	20,158	70,460	13,469	9,529	6,116	7,318	62	127,120
September	24,314	93,721	16,054	10,399	6,242	10,116	76	160,930
October	27,136	110,791	16,337	11,760	6,769	12,779	89	185,669
November	25,172	108,523	14,955	10,743	6,279	13,433	86	179,199
December	26,551	97,875	17,864	9,559	5,279	13,138	85	170,359
<u>Total, July to December</u>	141,113	521,072	90,635	60,640	36,495	60,825	460	911,269
	- per cent -							
Percentage change, Six months ended December, 1968 on 1967	-18.4	4.8	-20.7	16.8	5.0	8.7	-12.2	-1.8

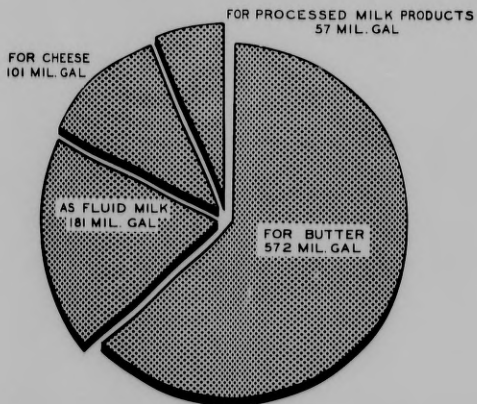
(a) For all purposes. (b) Includes estimates of production in the Northern Territory.

WHOLE MILK
PRODUCTION AND UTILISATION
SIX MONTHS ENDED DECEMBER 1968: 911 MIL. GAL

PRODUCTION, STATES



UTILISATION, AUSTRALIA



Average annual production of whole milk per cow. The annual quantity of milk produced per cow may reach as high as 1,000 gallons, but varies greatly with breed, locality and season. The average yields per cow (shown in Table 4 for the years 1963-64 to 1967-68) are based on the number of cows which were in milk at any time during the year (the mean of the number of cows in milk and dry and house cows at 31 March of the year shown and at 31 March of the previous year is used for this purpose).

In addition to the difficulty of ascertaining with reasonable accuracy the average number of cows in milk during any year, there are many complex problems attending the collection of particulars of the total quantity of milk obtained during the same period. The average yields per cow shown in Table 4 may, however, be accepted as sufficiently reliable to show the general trend.

TABLE 4. - AVERAGE ANNUAL PRODUCTION OF WHOLE MILK PER COW

(Gallons)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia (a)
1963-64	368	587	307	587	448	577	557	456
1964-65	347	613	306	614	490	589	547	467
1965-66	378	616	316	602	508	578	524	483
1966-67	423	647	366	624	480	591	561	522
1967-68p	419	599	351	585	493	581	516	499

(a) Includes estimates for the Northern Territory.

Production of whole milk : Specified countries. Particulars of the number of dairy cows, production per cow and milk production in ten major producing countries for 1966 and 1967 are shown in Volume 31, No.7 of this bulletin issued on 10 October 1968.

TABLE 5. - MILKING MACHINES ON RURAL HOLDINGS : NUMBER OF UNITS (a)

31 March -	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia
1964	42,970	98,321	45,072	19,057	10,157	13,382	83	229,042
1965	42,209	101,994	44,074	19,135	10,055	13,806	93	(b)231,389
1966	41,796	105,003	42,199	18,833	9,780	15,894	94	(b)233,625
1967	41,433	108,664	40,878	18,143	9,664	16,414	94	(b)235,325
1968p	40,862	109,137	38,208	18,399	9,317	16,968	91	(b)233,022

(a) The number of units indicates the number of cows that can be milked simultaneously, i.e. the cow capacity of installed milking machines. (b) Includes particulars for the Northern Territory.

III. BUTTER

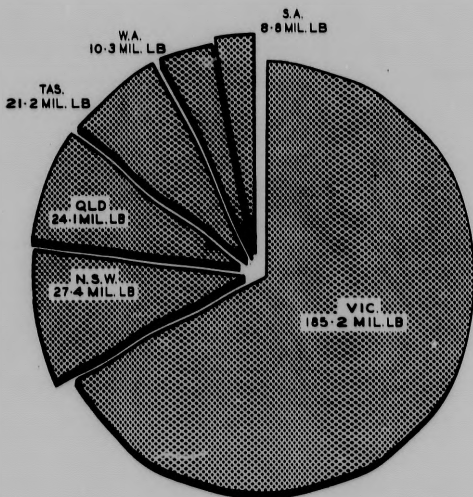
TABLE 6. - FACTORY PRODUCTION OF BUTTER (a)

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Australia
- '000 lb -							
1963-64 (b)	80,880	231,499	79,220	16,587	15,491	30,616	454,292
1964-65 (b)	67,081	248,506	73,546	17,215	17,387	31,143	454,878
1965-66 (b)	73,901	250,680	70,189	16,160	18,133	31,370	460,433
1966-67 (c) -							
<u>Total, July to December</u>	46,489	181,829	37,968	9,737	10,919	21,429	308,371
January	10,180	30,130	8,850	1,200	690	3,897	54,947
February	8,939	19,629	8,080	863	249	2,670	40,430
March	8,438	14,494	7,918	827	195	2,035	33,907
April	5,207	9,556	4,805	731	233	1,107	21,639
May	4,281	6,130	3,819	879	841	540	16,490
June	2,859	5,139	2,935	924	1,297	378	13,532
<u>Total, year 1966-67 (b)(d)</u>	86,392	266,907	74,375	15,092	14,394	32,056	409,217
1967-68 (c) -							
July	3,251	10,388	3,491	977	1,548	818	20,473
August	4,654	21,825	4,535	1,176	1,704	2,157	36,051
September	6,678	31,291	5,424	1,238	1,867	3,300	49,798
October	8,957	39,751	6,126	1,435	2,011	4,405	62,685
November	9,833	36,968	6,987	1,259	1,644	4,636	61,327
December	8,826	32,599	7,096	1,115	1,146	4,295	55,077
<u>Total, July to December</u>	42,199	172,822	33,659	7,200	9,920	19,611	285,411
January	8,314	26,565	7,881	955	644	3,753	48,112
February	7,287	16,192	6,923	704	283	2,396	33,785
March	5,540	10,050	5,757	624	135	2,020	24,126
April	3,806	6,126	3,961	701	271	1,587	16,452
May	2,386	4,557	2,922	932	815	968	12,580
June	1,714	4,933	2,442	1,014	1,185	530	11,818
<u>Total, year 1967-68 (c)</u>	71,246	241,245	63,545	12,130	13,253	30,865	432,284
1968-69 (c) -							
July	2,281	11,701	2,790	1,261	1,583	1,129	20,746
August	3,294	23,841	3,351	1,391	1,709	2,430	36,015
September	4,985	33,451	4,362	1,470	1,835	3,577	49,679
October	5,905	40,528	4,402	1,773	2,025	4,552	59,184
November	5,248	39,934	3,992	1,538	1,813	4,802	57,328
December	5,719	35,789	5,155	1,315	1,365	4,662	54,005
<u>Total, July to December</u>	27,431	105,244	24,051	8,750	10,329	21,152	276,957
Percentage change, Six months ended December, 1968 on 1967	-35.0	7.2	-28.5	21.5	4.1	7.9	-3.0

(a) Includes butter equivalent of butteroil production. (b) Derived from annual factory census. (c) Source: Commonwealth Dairy Produce Equalisation Committee Ltd and State Departments of Agriculture. (d) May differ from totals of monthly figures, due to differences in accounting procedures.

BUTTER

FACTORY PRODUCTION, STATES
SIX MONTHS ENDED DECEMBER 1968



FACTORY PRODUCTION, AUSTRALIA: 277.0 MIL. LB

TABLE 7. - PRODUCTION AND UTILISATION OF BUTTER : AUSTRALIA

Period	Changes in stocks (a)	Factory production	Exports (b)		Available for con- sumption in Australia	
			Quantity	Proportion of production	Total quantity	Per head
	'000 lb	'000 lb	'000 lb	%	'000 lb	lb
Year -						
1963-64	(-) 5,192	(c) 456,620	203,909	44.7	257,902	23.3
1964-65	(-) 15,472	454,878	216,875	47.7	253,476	22.5
1965-66	(+) 19,875	460,433	190,607	41.4	249,950	21.7
1966-67	(-) 872	489,217	234,611	48.0	255,478	21.8
1967-68p	(-) 3,145	432,284	177,331	41.0	258,098	21.6
July to December -						
1967	(+) 38,512	285,411	116,300	40.7	130,699	11.0
1968	(+) 38,543	276,957	109,309	39.5	129,105	10.7

(a) Balance figure (includes imports). (b) Includes ghee, concentrated butter, etc., expressed as butter as well as butter shipped as ships' stores. (c) Includes small quantities of butter made on farms.

Bulk butter graded for export. All butter exported comes under the provisions of the Exports (Dairy Produce) Regulations and is subject to supervision, inspection and examination by officers appointed for that purpose. Grading is carried out according to quality which is fixed by regulation.

TABLE 8. - BULK BUTTER GRADED FOR EXPORT (a)

(Source : Department of Primary Industry)

Period	Choicest quality		First quality		Second and pastry quality (b)		Total	
	'000 lb	%	'000 lb	%	'000 lb	%	'000 lb	%
Year -								
1963-64	128,828	67.5	47,870	25.1	14,220	7.4	190,918	100.0
1964-65	155,310	73.4	44,440	21.0	11,969	5.7	211,719	100.0
1965-66	148,642	73.7	41,768	20.7	11,409	5.7	201,819	100.0
1966-67	164,364	77.3	37,126	17.5	11,111	5.2	212,601	100.0
1967-68	136,312	80.2	25,581	15.1	8,021	4.7	169,914	100.0
July to December -								
1967	105,222	83.7	15,935	12.7	4,516	3.6	125,673	100.0
1968	104,324	87.9	10,433	8.8	3,886	3.3	118,643	100.0

(a) Includes unsalted. (b) Includes rejected butter.

TABLE 9. - EXPORTS OF BUTTER (a) TO VARIOUS COUNTRIES : AUSTRALIA

Country of consignment	1964-65	1965-66	1966-67	1967-68	July to December		Proportion of Total July to Dec.	
					1967	1968p	1967	1968
			- '000 lb -				%	%
United Kingdom	169,558	137,336	160,055	125,093	81,407	81,708	86.5	86.0
Singapore	(b)	(b)3,081	4,208	3,408	1,668	1,886	1.8	2.0
Hong Kong	2,440	2,623	3,539	3,005	1,607	1,667	1.7	1.8
Ceylon	2,221	2,366	2,373	1,338	902	1,277	1.0	1.3
Malaysia	(c)5,660	(c)3,284	2,611	2,514	1,161	1,257	1.2	1.3
Saudi Arabia	1,073	1,672	2,126	3,031	1,975	1,229	2.1	1.3
Papua and New Guinea	990	979	1,344	1,376	657	761	0.7	0.8
China (Formosa)	439	460	603	623	298	365	0.3	0.4
Thailand	346	472	652	505	199	315	0.2	0.3
Polynesia	681	761	775	565	243	281	0.3	0.3
New Caledonia	722	718	712	696	432	279	0.5	0.3
Mauritius	571	570	760	612	358	278	0.4	0.3
Peru	3,752	2,668	2,610	762	554	272	0.6	0.3
Bahrain	377	301	305	474	236	206	0.3	0.2
Malta	1,314	452	594	257	190	162	0.2	0.2
Philippines	45	52	431	519	245	137	0.3	0.1
All other countries	12,051	9,830	21,852	3,856	1,932	2,918	2.1	3.1
<u>TOTAL</u>	202,240	167,625	205,550	148,634	94,064	94,998	100.0	100.0

(a) Excludes ghee, butter concentrate and ships' stores. (b) Included in Malaysia from 1 July 1964 to 30 September 1965. (c) Includes Singapore from 1 July 1964 to 30 September 1965.

TABLE 10. - STOCKS OF BUTTER HELD IN MAIN COLD STORES : AUSTRALIA

(Source : Australian Dairy Produce Board)

('000 lb)

End of month	1964-65	1965-66	1966-67	1967-68	1968-69
July	18,565	17,042	21,309	19,163	21,340
August	26,457	21,466	23,081	20,037	22,550
September	31,638	29,832	21,858	27,220	31,969
October	36,790	36,781	32,785	38,974	32,803
November	42,945	44,509	48,937	38,985	43,956
December	52,586	57,707	51,016	55,523	41,077
January	59,712	62,729	65,253	68,522	
February	56,623	66,830	68,234	69,153	
March	50,111	68,445	61,703	68,461	
April	44,825	62,532	54,416	55,299	
May	33,414	50,378	38,555	40,589	
June	22,048	39,932	27,212	29,745	

IV. CHEESE

TABLE 11. - FACTORY PRODUCTION OF CHEESE

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Australia
	- '000 lb -						
1963-64 (a)	12,142	56,397	21,263	34,236	3,373	2,994	130,405
1964-65 (a)	9,785	60,975	19,095	38,836	4,051	5,265	138,008
1965-66 (a)	9,786	58,158	17,773	36,281	2,712	6,590	131,300
1966-67 (b) -							
<u>Total, July to December</u>	6,761	41,980	12,034	27,931	2,832	5,871	97,409
January	1,363	7,167	2,708	3,261	279	1,041	15,819
February	1,138	5,438	2,118	1,672	65	652	11,083
March	996	5,045	2,132	1,344	11	479	10,007
April	692	3,644	1,595	1,102	14	215	7,262
May	621	2,396	1,377	1,623	238	116	6,371
June	453	2,083	1,107	1,872	452	52	6,019
<u>Total, year 1966-67(a)(c)</u>	12,023	67,907	23,071	38,596	3,807	8,427	153,834
1967-68p (b) -							
July	572	3,389	1,466	2,321	511	253	8,512
August	921	6,248	1,998	2,882	502	661	13,212
September	1,202	7,824	2,320	4,175	536	1,022	17,080
October	1,665	9,942	2,451	5,014	597	1,408	21,077
November	1,754	10,012	2,464	4,218	515	1,512	20,475
December	1,524	9,619	2,424	3,475	393	1,395	18,830
<u>Total, July to December</u>	7,638	47,034	13,123	22,085	3,054	6,251	99,186
January	1,324	8,305	2,333	2,483	32	1,267	15,945
February	1,038	6,274	2,069	1,343	94	870	11,688
March	670	5,138	1,593	982	58	863	9,304
April	466	3,326	1,125	945	88	693	6,643
May	366	1,972	917	1,976	351	300	5,882
June	366	1,875	1,021	2,729	433	172	6,596
<u>Total, year 1967-68 (b)</u>	11,868	73,924	22,181	32,543	4,310	10,416	155,242
1968-69p(b) -							
July	904	3,856	1,257	3,474	525	600	10,215
August	758	7,179	1,598	4,130	560	1,154	15,379
September	1,023	9,227	2,040	5,026	525	1,432	19,273
October	1,188	10,761	2,062	5,632	575	1,722	21,940
November	1,122	10,183	1,566	5,150	507	1,822	20,350
December	1,137	8,939	1,993	4,433	444	1,715	18,661
<u>Total, July to December</u>	5,732	50,145	10,516	27,845	3,137	8,446	105,821
Percentage change, Six months ended December, 1968 on 1967	- per cent -						
	-25.0	6.6	-19.9	26.1	2.7	35.1	6.7

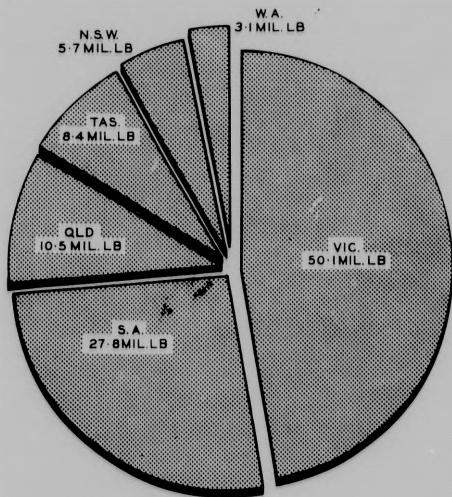
(a) Derived from annual factory census. (b) Source: Commonwealth Dairy Produce Equalisation Committee Ltd and producers NOT within the Equalisation Scheme.

(c) May differ from totals of monthly figures, due to differences in accounting procedures.

CHEESE

FACTORY PRODUCTION, STATES

SIX MONTHS ENDED DECEMBER 1968



FACTORY PRODUCTION/AUSTRALIA: 105.8 MIL. LB

Factory production of cheese by varieties. Particulars of the factory production of cheese by varieties in Australia for the years 1962-63 to 1966-67 are shown in Volume 31, No. 7 of this bulletin issued on 10 October 1968.

TABLE 12. - PRODUCTION AND UTILISATION OF CHEESE : AUSTRALIA

Period	Changes in stocks (a)	Factory production	Exports (b)		Available for consumption in Australia	
			Quantity	Proportion of production	Total quantity	Per head
	'000 lb	'000 lb	'000 lb	%	'000 lb	lb
Year -						
1963-64	(-) 11,820	(c) 130,460	62,451	47.9	79,829	7.2
1964-65	(-) 7,777	138,008	61,087	44.3	84,699	7.5
1965-66	(-) 16,916	131,300	56,964	43.4	91,251	7.9
1966-67	(+) 5,248	153,834	57,423	37.3	91,162	7.8
1967-68p	(-) 10,670	155,242	76,249	49.1	89,663	7.5
July to December -						
1967	(+) 26,354	99,186	30,957	31.2	41,876	3.5
1968	(+) 29,641	105,821	29,736	28.1	46,444	3.8

(a) Balance figure (includes imports). (b) Includes ships' stores. (c) Includes small quantities of cheese made on farms.

Bulk cheese graded for export. As in the case of butter, bulk cheese exported comes under the provisions of the Exports (Dairy Produce) Regulations and is graded according to quality in a manner similar to butter.

TABLE 13. - BULK CHEESE GRADED FOR EXPORT

(Source : Department of Primary Industry)

Period	Bulk cheddar						Other cheese		Total	
	Choicest quality		First quality		Second quality (a)					
	'000 lb	%	'000 lb	%	'000 lb	%	'000 lb	%	'000 lb	%
Year -										
1963-64	2,022	3.7	34,773	63.4	2,915	5.3	15,165	27.6	54,875	100.0
1964-65	2,993	4.9	42,899	70.8	3,408	5.6	11,289	18.6	60,589	100.0
1965-66	2,773	5.2	34,872	65.8	2,554	4.8	12,825	24.2	53,024	100.0
1966-67	10,500	16.7	34,886	55.5	1,295	2.1	16,194	25.8	62,875	100.0
1967-68	19,967	26.2	40,214	52.7	1,972	2.6	14,154	18.5	76,307	100.0
July to December -										
1967	14,117	32.2	21,857	49.8	1,118	2.5	6,792	15.5	43,884	100.0
1968	16,993	35.6	17,664	37.0	1,263	2.6	11,817	24.8	47,737	100.0

(a) Includes rejected.

TABLE 14. - EXPORTS OF CHEESE (a) TO VARIOUS COUNTRIES : AUSTRALIA

Country of consignment	1964-65	1965-66	1966-67	1967-68	July to December		Proportion of Total July to December	
					1967	1968p	1967	1968
				- '000 lb -			%	%
Japan	5,376	11,005	20,969	14,865	5,881	8,552	19.1	29.0
United Kingdom	35,976	19,917	10,207	40,852	13,491	4,258	43.7	14.4
Saudi Arabia	2,182	3,503	3,495	3,057	1,833	3,592	5.9	12.2
Philippines	3,203	4,136	6,978	5,861	3,035	3,518	9.8	11.9
United States of America	3,595	3,480	3,141	2,406	1,747	2,425	5.7	8.2
Iraq	783	864	1,368	1,298	494	1,961	1.6	6.6
Kuwait	726	1,011	1,592	1,000	612	921	2.0	3.1
Singapore	(b)	(b) 411	590	638	339	436	1.1	1.5
Bahrain	253	374	382	435	323	333	1.0	1.1
Malaysia	(c) 853	(c) 373	296	321	153	296	0.5	1.0
Hong Kong	376	459	472	423	198	220	0.6	0.7
Trinidad States	80	81	186	286	154	191	0.5	0.6
Mauritius	256	333	313	375	262	183	0.8	0.6
Papua and New Guinea	227	259	267	275	131	163	0.4	0.6
Malta	162	169	409	323	165	139	0.5	0.5
Lebanon	132	228	503	376	168	104	0.5	0.4
All other countries	6,749	9,174	6,027	3,245	1,858	2,210	6.0	7.5
<u>TOTAL</u>	60,929	55,777	57,195	76,036	30,844	29,502	100.0	100.0

(a) Excludes ships' stores. (b) Included in Malaysia from 1 July 1964 to 30 September 1965. (c) Includes Singapore from 1 July 1964 to 30 September 1965.

TABLE 15. - EXPORTS OF CHEESE (a) BY VARIETIES : AUSTRALIA

('000 lb)

	1964-65	1965-66	1966-67	1967-68	July to December	
					1967	1968p
Processed (b)	11,285	12,430	12,633	11,049	6,160	10,341
Other -						
Cheddar and epicure cheddar	43,031	32,141	30,893	55,479	18,961	13,488
Parmesan (incl. parmigiano and reggiano)	10	6	62	129	114	27
Other	6,603	11,201	13,606	9,379	5,609	5,646
TOTAL	60,929	55,777	57,195	76,036	30,844	29,502

(a) Excludes ships' stores. (b) Includes pastes and spreads.

TABLE 16. - IMPORTS OF CHEESE FROM VARIOUS COUNTRIES : AUSTRALIA

Country of origin	1964-65	1965-66	1966-67	1967-68	July to		Proportion of Total	
					December		July to December	
					1967	1968p	1967	1968
			- '000 lb -				%	%
New Zealand	621	943	858	849	496	1,373	9.4	22.1
Denmark	1,766	1,927	1,858	1,960	1,095	1,018	20.8	16.4
Italy	1,021	855	955	991	560	616	10.6	9.9
Netherlands	1,305	1,641	1,302	1,371	712	580	13.5	9.3
Bulgaria	558	1,301	832	921	469	424	8.9	6.8
Norway	288	528	581	683	434	413	8.2	6.7
Greece	725	225	468	395	291	331	5.5	5.3
Finland	474	513	353	309	148	323	2.8	5.2
Romania	33	98	537	608	262	283	5.0	4.6
Sweden	10	35	134	391	191	219	3.6	3.5
Germany, Fed. Rep. of	110	114	180	315	150	173	2.8	2.8
Switzerland	299	263	230	281	158	161	3.0	2.6
France	27	57	125	290	169	106	3.2	1.7
Hungary	177	173	232	138	66	81	1.3	1.3
All other countries	80	131	107	181	75	109	1.4	1.8
<u>TOTAL</u>	7,494	8,804	8,752	9,683	5,276	6,210	100.0	100.0

TABLE 17. - IMPORTS OF CHEESE BY VARIETIES : AUSTRALIA

('000 lb)

	1964-65	1965-66	1966-67	1967-68	July to December	
					1967	1968p
Processed (a) - cheddar	926	1,094	1,476	41	38	51
other				957	589	492
Blue vein	772	621	575	660	335	338
Cheddar	626	795	688	769	455	1,277
Edam and gouda	1,179	1,576	1,593	1,808	984	814
Parmesan (incl. parmigiano and reggiono)	241	168	213	155	89	86
Provolone	349	266	339	410	240	247
Other (incl. curd)	3,401	4,285	3,869	4,833	2,546	2,905
<u>TOTAL</u>	7,494	8,804	8,752	9,683	5,276	6,210

(a) Including pastes and spreads.

TABLE 18. - STOCKS OF CHEESE HELD IN MAIN COLD STORES : AUSTRALIA

(Source : Australian Dairy Produce Board)

('000 lb)

End of month	1964-65	1965-66	1966-67	1967-68	1968-69
July	7,768	8,035	5,327	9,663	8,268
August	7,253	8,447	5,540	9,451	10,604
September	10,826	9,218	7,759	13,577	14,511
October	8,543	9,872	9,363	15,340	19,976
November	12,596	9,605	14,325	20,480	23,253
December	11,980	12,609	15,443	23,598	27,867
January	15,189	9,744	17,210	28,925	
February	11,632	8,440	17,759	28,367	
March	8,774	7,253	15,781	19,094	
April	8,790	6,093	14,562	18,173	
May	7,058	5,853	10,873	10,709	
June	7,439	5,188	10,098	7,130	

V. PROCESSED MILK PRODUCTS

TABLE 19. - PRODUCTION OF PROCESSED MILK PRODUCTS : AUSTRALIA

A. CONDENSED MILK, ICE CREAM MIXES, INFANTS' AND INVALIDS' FOOD AND CASEIN

Period	Condensed, concentrated and evaporated milk			Liquid ice cream mixes	Infants' and invalids' food (b)	Casein
	Full cream		Skim			
	Sweetened (a)	Unsweetened				
	- '000 lb -					
1963-64	95,744	71,964	25,712	11,896	44,105	37,360
1964-65	102,479	89,390	21,936	10,810	45,179	39,768
1965-66	73,985	88,482	22,047	15,198	45,280	50,712
1966-67 -						
<u>Total, July to December</u>	41,009	52,893	13,323	8,288	26,738	34,377
January	7,063	9,655	3,086	1,422	4,021	4,638
February	5,227	9,430	2,201	1,271	3,997	2,624
March	2,830	8,815	2,093	1,138	3,777	1,529
April	2,251	6,289	1,378	1,004	4,013	950
May	1,469	4,158	1,493	1,095	3,896	813
June	1,366	1,611	1,234	1,066	3,417	365
<u>Total, year 1966-67 (c)</u>	61,510	91,700	24,974	15,422	49,348	45,812
1967-68p-						
July	1,922	3,683	1,225	1,098	4,072	1,363
August	4,910	7,540	1,315	976	3,243	3,096
September	5,246	9,330	1,523	1,292	3,943	5,867
October	7,984	9,973	1,772	1,299	5,088	7,471
November	4,699	11,520	2,458	640	5,241	6,800
December	3,597	11,594	2,145	711	4,236	5,518
<u>Total, July to December</u>	28,358	53,640	10,438	6,016	25,823	30,115
January	1,929	12,553	2,377	637	3,336	4,222
February	1,817	11,445	1,979	609	3,566	2,508
March	2,934	8,157	1,083	543	3,154	1,876
April	2,257	3,535	969	542	4,147	988
May	1,250	2,038	906	439	4,296	362
June	1,453	2,296	829	305	4,185	882
<u>Total, year 1967-68</u>	39,998	93,663	18,580	9,092	48,507	41,453
1968-69p-						
July	2,348	4,650	845	482	4,336	2,694
August	4,136	7,996	901	479	5,894	6,078
September	4,041	9,150	1,238	607	5,404	8,796
October	4,981	10,419	1,425	564	5,716	10,093
November	5,013	9,692	1,100	693	4,671	8,994
December	4,637	11,359	1,249	728	2,590	7,860
<u>Total, July to December</u>	25,156	53,266	6,758	3,554	28,610	44,515
Percentage change, Six months ended December, 1968 on 1967	- per cent -					
	-11.3	-0.7	-35.3	-40.9	10.8	47.8

For footnotes, see end of table on page 19.

TABLE 19. - PRODUCTION OF PROCESSED MILK PRODUCTS : AUSTRALIA - continued

B. POWDERED MILK

Period	Full cream		Skim				Buttermilk or mixed skim and buttermilk		Total powdered milk
	Spray	Roller	Without added ingredients		With added ingredients		Spray	Roller	
			Spray	Roller	Baker's powder	Other			
- '000 lb -									
1963-64	40,069	2,109	70,189	12,783	4,854	4,303	4,650	17,060	156,019
1964-65	41,561	2,108	82,624	14,704	5,264	5,231	4,702	16,183	172,378
1965-66	42,888	2,172	84,018	14,466	5,577	8,281	8,345	17,555	183,301
1966-67 -									
<u>Total, July to December</u>	27,666	1,278	99,257	9,081	3,227	4,397	8,606	13,426	166,937
January	4,579	41	20,907	1,368	592	539	1,106	2,046	31,178
February	3,059	69	14,601	583	510	419	988	1,487	22,516
March	4,424	27	11,694	689	284	716	662	1,155	19,652
April	2,334	28	7,684	448	145	515	437	682	12,272
May	1,829	56	4,521	496	325	476	381	475	8,561
June	1,713	45	3,668	389	253	626	647	420	7,762
<u>Total, year 1966-67 (c)</u>	46,276	1,742	162,351	13,153	5,401	7,679	12,829	19,689	269,120
1967-68p -									
July	2,219	90	6,830	826	349	838	902	786	12,840
August	4,011	124	13,422	1,350	699	1,144	2,628	1,425	24,804
September	5,392	76	19,588	1,918	501	1,541	1,993	2,121	33,130
October	5,596	198	29,283	3,039	590	938	2,053	2,696	44,393
November	5,963	56	26,928	2,947	737	696	2,103	2,391	41,821
December	5,918		24,566	2,222	728	718	1,856	2,022	38,030
<u>Total, July to December</u>	29,643		120,617	12,302	3,604	5,875	11,535	11,441	195,018
January	5,604		18,260	1,732	200	651	1,435	1,727	29,608
February	4,272		10,834	1,043	403	643	963	1,523	19,681
March	2,796		4,251	676	462	564	667	1,193	10,609
April	1,967		2,819	615	413	490	359	821	7,484
May	2,336		1,586	350	579	725	345	731	6,652
June	1,940		2,495	690	550	696	353	623	7,347
<u>Total, year 1967-68</u>	47,411	1,147	160,862	17,409	6,211	9,644	15,657	18,059	276,399
1968-69p -									
July	3,498		3,085	1,079	395	1,083	713	1,055	10,906
August	4,804		6,565	1,195	528	1,514	1,468	2,099	18,173
September	5,231	187	13,605	1,672	716	1,107	2,106	2,254	26,877
October	6,382	229	18,584	2,035	707	1,001	2,136	3,076	34,150
November	6,583	64	19,329	1,657	527	1,412	2,543	2,186	34,302
December	6,953	50	17,951	1,487	752	1,213	1,850	2,107	32,363
<u>Total, July to December</u>	33,198	782	79,118	9,125	3,623	7,331	10,816	12,777	156,771
- per cent -									
Percentage change, Six months ended December, 1968 on 1967	14.6		-34.4	-25.8	0.5	24.8	-6.2	11.7	-19.6

(a) Includes "coffee and milk". (b) Includes malted milk and milk sugar (lactose).

(c) These totals are derived from annual factory censuses, and may differ from totals of monthly figures, due to differences in accounting procedures.

TABLE 20. - PRODUCTION AND UTILISATION OF PROCESSED MILK PRODUCTS : AUSTRALIA

Year	Net change in factory stocks (a) (⁰⁰⁰ lb)	Production (⁰⁰⁰ lb)	Exports (b)		Quantity available for consumption in Australia (⁰⁰⁰ lb)
			Quantity (⁰⁰⁰ lb)	Proportion of production (per cent)	
CONDENSED, CONCENTRATED AND EVAPORATED MILK (c)					
1963-64	(d) (-) 40	193,420	78,336	40.5	115,124
1964-65	(d) (+) 1,234	213,805	90,147	42.2	122,424
1965-66	(d) (-) 2,215	184,514	59,378	32.2	127,351
1966-67	(d) (+) 994	178,184	51,045	28.6	126,145
1967-68p	(d) (-) 2,717	152,241	25,564	16.8	129,394
LIQUID ICE CREAM MIXES					
1963-64	(+) 1,229	(e) 12,869	214	1.7	11,426
1964-65	(-) 836	(e) 11,583	186	1.6	12,233
1965-66	(-) 293	(e) 15,749	211	1.3	15,831
1966-67	(-) 13	15,422	n.a.	n.a.	n.a.
1967-68p	(+) 32	9,092	771	8.5	8,290
INFANTS' AND INVALIDS' FOOD (INCLUDING MALTED MILK)					
1963-64	(-) 4,292	44,105	17,924	40.6	30,473
1964-65	(-) 5,799	45,179	16,523	36.6	34,455
1965-66	(-) 4,525	45,280	13,306	29.4	36,499
1966-67	(-) 5,186	49,348	10,701	21.7	43,833
1967-68p	(-) 7,796	48,507	11,438	23.6	44,865
CASEIN					
1963-64	(-) 1,245	37,360	37,582	100.6	1,023
1964-65	(-) 612	39,768	36,624	92.1	3,756
1965-66	(+) 1,991	50,712	43,342	85.5	5,380
1966-67	(+) 802	45,812	42,471	92.7	2,539
1967-68p	(+) 1,637	41,453	37,020	89.3	2,796
POWDERED MILK (FULL CREAM, SKIM AND BUTTERMILK)					
1963-64	(-) 2,643	156,019	55,765	35.7	102,897
1964-65	(-) 3,546	172,378	74,835	43.4	101,089
1965-66	(+) 10,898	183,301	62,199	33.9	110,204
1966-67	(+) 25	269,120	146,561	54.5	122,534
1967-68p	(+) 26,790	276,399	111,890	40.5	137,718

(a) Includes allowance for imports. (b) Includes ships' stores. (c) Includes full cream and skim milk. (d) Excludes condensed, concentrated and evaporated skim milk. (e) Includes powdered ice cream mixes.

TABLE 21. - EXPORTS OF PROCESSED MILK PRODUCTS (a) : AUSTRALIA

Period	Preserved, condensed, concentrated, etc.		Liquid ice cream mixes	Infants' and invalids' food (b) (essentially of milk)	Casein	Dried or in powdered form	
	Sweetened	Unsweetened				Full cream	Skim
Year -				'000 lb -			
1963-64	69,554	8,337	214	17,924	37,582	15,260	40,505
1964-65	78,070	11,678	186	16,523	36,624	18,737	56,098
1965-66	44,661	14,228	211	13,301	43,342	20,181	42,018
1966-67	35,781	14,543	n.a.	10,698	42,470	28,282	118,279
1967-68p	13,228	11,638	771	11,436	37,020	24,865	87,024
July to December p -							
1967	8,152	7,301	362	4,965	13,693	13,502	34,747
1968	6,357	4,879	385	6,876	25,040	10,793	45,781
Percentage change, Six months ended December, 1968 on 1967	-22.0	-33.2	6.4	38.5	82.9	-20.1	31.8

(a) Excludes ships' stores. (b) Includes malted milk.

VI. FACTORIES PRODUCING BUTTER, CHEESE AND PROCESSED MILK PRODUCTS

Summary of statistics : Australia. Details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown below. Further information will be found in Manufacturing Industries Bulletin No. 21, published by this Bureau.

TABLE 22. - FACTORIES PRODUCING BUTTER, CHEESE AND PROCESSED MILK PRODUCTS

AUSTRALIA

Year	Factories	Persons employed (a)	Salaries and wages paid (b)	Power, fuel, light, etc. used (c)	Value of materials, etc. used (d)	Value of production (e)	Value of output (f)
	Number	Number	\$'000	\$'000	\$'000	\$'000	\$'000
1962-63	348	11,320	24,883	5,961	226,691	52,424	285,077
1963-64	347	11,510	26,314	6,138	244,587	59,236	309,961
1964-65	344	11,505	27,680	6,364	261,066	65,028	332,458
1965-66	337	11,454	28,810	6,500	262,480	67,970	336,949
1966-67	328	11,650	31,445	6,988	286,631	68,535	362,154

(a) Average over whole year; includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Includes water and lubricating oils. (d) Includes also value of containers, packing, etc., replacements of tools and repairs to plant. (e) Value added in process of manufacture (i.e. value of output less value of materials, fuel, etc. used). (f) Value at the factory of goods produced.

VII. MARKETING ARRANGEMENTS AND ASSISTANCE TO THE DAIRYING INDUSTRY

Butter and Cheese Equalisation Scheme. A butter and cheese price equalisation scheme has been in operation for a number of years by voluntary action, based on arrangements between the manufacturers and the Commonwealth Dairy Produce Equalisation Committee Ltd. The Committee, which comprises members of the State Dairy Produce Boards and other persons representing the industry, enters into agreements with manufacturers to secure to them equal rates from sales of butter and cheese, and for this purpose fixes basic prices at which these products, sold in Australia or abroad, are to be taken into account. The effect is that the local and export trade are distributed in equitable proportions amongst the manufacturers. The Committee equalises returns to factories through an Equalisation Fund. Details of butter and cheese equalisation rates are shown in Table 23.

Casein Equalisation Plan. Details of the Equalisation Plan, operated by the Casein Equalisation Advisory Committee from July 1946 to June 1950 and from 21 January 1952, were given in Volume 30, No. 14 of this bulletin.

The average casein equalisation realisation per cwt for 1963-64 was \$16.101; for 1964-65, \$17.381; for 1965-66, \$24.918; for 1966-67, \$23.556 and for 1967-68, \$23.093. For 1968-69 the initial interim rate, set at \$15.000, was later increased to \$17.000.

Wholesale prices of butter and cheddar cheese in Australia. Wholesale prices of choicest grade bulk butter and cheddar cheese in Australia are determined by the Commonwealth Dairy Produce Equalisation Committee Ltd. Prices currently prevailing are those determined at 14 February 1966 for butter (\$52.08 per cwt) and 7 November 1966 in the case of cheddar cheese (\$33.04 per cwt). Details of prices operating prior to 1966 are shown in Volume 31, No. 7 of this bulletin.

Overseas marketing. Historical information on overseas marketing appears in Volume 30, No. 14 of this bulletin issued on 14 May 1968.

Butter imports from Australia into the United Kingdom are subject to quota control. Australia's basic quota entitlement for the year 1 April 1968 to 31 March 1969 was fixed at 72,000 tons, the same as the basic quota for 1967-68 and 5,500 tons more than in 1966-67.

Details of the average rates realised on all butter and cheese sold overseas are given in Table 23.

Commonwealth subsidies and stabilisation plans. Subsidies are distributed by the Commonwealth Dairy Produce Equalisation Committee Limited through factories to milk producers by payments on butter and cheese manufactured.

Since 1952, these subsidies have been disbursed under the provisions of a series of five-year stabilisation plans. The current plan, which came into operation on 1 July 1967, is the fourth in the series. Details of the three previous plans and of earlier arrangements for financial assistance to the dairying industry are given in Volume 30, No. 14 of this bulletin.

The current plan provides for continuation of payment of the subsidy on the production of butter, cheese and other related products with a minimum of 40 per cent butterfat content, conditional on participation in equalisation by disbursing factories. An amount of \$27,000,000 has been allocated for this purpose for each year of the new plan, the same amount as provided for each year of the previous plan. The Government's guarantee of average returns to dairy farmers as in previous plans has also been continued. For 1967-68 and 1968-69, the level of returns underwritten has been set at 34.0 cents per pound commercial butter basis.

The Dairying Industry Stabilisation Fund was established in July 1948 for the purpose of stabilising returns from exports of butter and cheese. Details of the fund are given in Volume 30, No. 14 of this bulletin.

Subsidy on the butterfat content of processed milk products produced was payable from July 1942 until 30 June 1948, and again from 1 July 1949 until 30 June 1952. No Commonwealth subsidy was paid on the production of processed milk products under the various stabilisation plans. However, in 1962 the Commonwealth Government provided a separate bounty, under the provisions of the Processed Milk Products Bounty Act 1962, for the payment of a maximum amount of \$700,000 as a bounty on exports of processed milk products in 1962-63, in order to help Australian processors compete with the subsidised exports of processed milk products from other countries and to prevent a decline in the industry in this country. The bounty is to continue under present legislation until 30 June 1972, the maximum amounts made available being \$1,000,000 for 1963-64 and \$800,000 for each subsequent year.

TABLE 23. - BUTTER AND CHEESE : RATES REALISED ON SALES, AVERAGE EQUALISATION RATES AND RATES OF COMMONWEALTH SUBSIDY UNDER DAIRYING INDUSTRY ACTS : AUSTRALIA
(Source : Commonwealth Dairy Produce Equalisation Committee Ltd)
(\$ per cwt)

Year	Rates realised on sales (₹ per cwt)				Average equalisation rate	Rate of subsidy	Rate of over- all return to manufacturer
	Intra- state	Inter- state	Manufac- turing	Overseas			
BUTTER							
1963-64	48.65	47.03	31.40	33.82	41.73	6.10	47.83
1964-65	50.08	48.18	31.63	34.08	42.25	6.09	48.33
1965-66	50.06	47.47	32.26	30.63	40.27	6.01	46.28
1966-67	49.88	47.46	31.97	29.87	39.38	5.66	45.04
1967-68	(a)	(a)	(a)	(a)	(b)38.85	6.31	(b)45.16
1968-69	(a)	(a)	(a)	(a)	(b)37.85	(b)5.55	(b)43.40
CHEDDAR CHEESE							
1963-64		28.54		21.13	25.51	2.36	27.87
1964-65		29.32		22.11	26.00	2.23	28.23
1965-66		29.43		23.18	25.98	2.36	28.34
1966-67		(a)		(a)	27.01	2.04	29.05
1967-68		(a)		(a)	(b)24.50	2.38	(b)26.88
1968-69		(a)		(a)	(b)22.94	(b)2.65	(b)25.59

(a) Not yet available. (b) Rates are of an interim nature and represent only payments made to date; further payments by the Commonwealth Dairy Produce Equalisation Committee Ltd are expected.

TABLE 24. - OVERALL RETURNS AND ASSESSED FARM PRODUCTION COSTS FOR COMMERCIAL BUTTER : AUSTRALIA
(Cents per lb)

(Source : Commonwealth Dairy Produce Equalisation Committee Ltd)

Year	Average overall returns on commercial butter		
	Rate of overall return to manufacturer	Estimated manufacturing cost	Return to dairy farmer
1963-64	42.705	4.449	38.256
1964-65	43.154	4.449	38.705
1965-66	41.324	4.449	36.875
1966-67	40.214	4.583	35.631
1967-68	(a) 40.321	4.583	35.738
1968-69	(a) 38.750	4.750	34.000

(a) Rates are of an interim nature and represent only payments made to date; further payments by the Dairy Produce Equalisation Committee Ltd are expected.

Commonwealth Extension Services Grant. Prior to 1966-67 the Commonwealth Government had, for over a decade, provided moneys to strengthen State extension services to primary producers. As part of these activities there had been a Commonwealth Dairy Industry Extension Grant, under which a total of \$9,600,000 had been provided up to and including 1965-66. As from 1 July 1966 the Commonwealth Government increased the total funds that it made available for extension purposes and decided that all grants, including the Dairy Industry Extension Grant, would be brought into a comprehensive arrangement in support of regional research and extension activities. (The various joint Commonwealth/Industry research funds, such as the Dairy Produce Research Trust Account, will continue independently of these arrangements.) In the amalgamated Commonwealth Extension Services Grant, extension and regional research activities of benefit to the dairy industry will be at least up to the level formerly obtaining (\$700,000 in 1965-66).

Dairy industry research and sales promotion. At the request of the Australian Dairy Industry Council, legislation was enacted in 1958 to provide for a sales promotion campaign for butter and cheese in Australia and also for research into dairy industry problems. The legislation provided for a statutory levy to be imposed on all butter and cheese manufactured in Australia.

In 1965, in the interests of efficiency and economy, the levy on production of butter and cheese for research and sales promotion and the levy on exports of butter and cheese, which provided the Australian Dairy Produce Board with funds for overseas market development, were combined into one levy to cover all the Board's requirements.

The Butterfat Levy Act 1965-66 provided a maximum rate of levy of \$0.60 per cwt for butterfat used in the manufacture of butter, butterfat products and cheese, to be apportioned between the three primary functions of the Board in the following ratio: Overseas Marketing (2 parts), \$0.24; Local Promotion (2 parts), \$0.24; and Research (1 part), \$0.12. The operative rate of levy from 1 July 1967 was fixed at \$0.53 per cwt of butterfat, divided as follows: Overseas Marketing, \$0.21; Local Promotion, \$0.22; and Research, \$0.10.

The Commonwealth Government contributes one-half of the cost incurred on approved projects included in the programme of research, with a maximum contribution of \$1 for \$1 against funds raised by way of levy and allocated to research. The sales promotion programme is financed solely by the levy.

The scheme is administered by the Australian Dairy Produce Board which, in respect of research, is advised by a statutory committee, namely the Dairy Produce Research Committee.

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T. 2600

16 APRIL 1969

K. M. WITCHER
COMMONWEALTH STATISTICIAN

NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning 489066 extension 102 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.