

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, AUSTRALIA

STATISTICAL BULLETIN : THE DAIRYING INDUSTRY, AUSTRALIA
SIX MONTHS ENDED DECEMBER, 1965 : VOLUME 28 - NO. 14

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SYMBOLS USED IN THIS BULLETIN

P. - Preliminary. Subject to revision.

n.a. - Not available.

In this issue all monetary amounts have been converted to the equivalent amounts in decimal currency (1 pound = 2 dollars)

FOREWORD

This issue includes detailed statistics for the six months ended December, 1965. Supplementary issues of this bulletin are published each month, but relate mainly to monthly particulars of the production and utilization of whole milk and factory production of butter, cheese and preserved 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.

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, Pastoral and Dairy Census conducted at 31st March, 1964 was changed from that used previously.

Prior to 1964, farmers were asked to classify their herds as either "beef cattle" or "dairy cattle". These two terms tended to confuse breed and purpose, and in those instances where vealer production was carried on in association with dairying, farmers were in doubt as to how to classify part or all of their herds.

On 31st March, 1964, and 1965, farmers were asked to classify their cattle according to the two main purposes of (i) milk production and (ii) meat production, irrespective of breed, and to report separately the number of cows and heifers kept for their own domestic milk supply. Consequently, detailed statistics of cattle for 1964 and 1965 are not comparable with those for earlier years. However, four broad groupings of total cattle for all purposes (i.e. bulls (1 year and over), cows and heifers (1 year and over), calves (under 1 year), and others) are generally comparable with earlier years, and particulars are shown in Table 2.

TABLE 1. - DAIRY BREED BULLS, AND COWS AND HEIFERS USED OR INTENDED FOR PRODUCTION OF MILK OR CREAM, 31ST MARCH, 1964 AND 1965

Particulars	Bulls, Dairy Breed (a)	Cows and Heifers used or intended for pro- duction of milk or cream for sale				House Cows and Heifers (b)	
		Cows		Heifers			
		In Milk	Dry	1 year and over Spring- ing (c)	Other		Under One Year
1964	99,270	3,076,075		821,286		717,895	218,098
1965 -							
New South Wales	19,940	532,323	186,342	191,298		145,533	104,690
Victoria	40,500	873,288	313,550	321,897		309,151	29,154
Queensland	18,769	477,727	211,656	181,019		121,293	43,659
South Australia	6,720	97,627	61,182	23,685	25,922	37,846	6,735
Western Australia	4,648	43,917	69,098	25,662	30,211	33,479	11,137
Tasmania	4,179	143,257		43,311		42,648	6,212
Northern Territory	9	325		73		72	89
Aust. Cap. Territory	27	1,153		367		144	462
<u>AUSTRALIA</u>	95,012	3,011,832		843,212		690,267	202,138

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

TABLE 2. - TOTAL CATTLE, ALL PURPOSES (a) : AUSTRALIA, 31ST MARCH ('000)

Type	1961	1962	1963	1964	1965
Bulls (1 year and over)	347	366	379	377	369
Cows and Heifers (1 year and over)	10,124	10,543	10,936	11,138	11,130
Calves (under 1 year)	3,561	3,872	4,079	4,254	4,068
Other	3,300	3,252	3,155	3,286	3,249
<u>TOTAL</u>	17,332	18,033	18,549	19,055	18,816

(a) That is, used or intended for service, for milk production, or for meat production: see text preceding Table 1.

Holdings with Dairy Cattle - Classification According to Size of Herd. - Special tabulations relating to rural holdings for the year 1959-60, together with particulars for earlier years, which showed, inter alia, a classification by States of holdings with dairy cattle according to size of herd, were included in Volume 25, No. 14 of this bulletin.

II. WHOLE MILK

TABLE 3. - PRODUCTION AND UTILIZATION OF WHOLE MILK : AUSTRALIA

Period	Total Whole Milk Produced		Quantity of Whole Milk used for -							
			Butter (Factory and Farm)		Cheese (Factory and Farm)		Preserved Milk Products (a)		Other Purposes (b)	
	'000 gallons	%	'000 gallons	%	'000 gallons	%	'000 gallons	%	'000 gallons	%
1960-61	1,339,302	100.0	839,596	62.7	104,470	7.8	76,619	5.7	318,617	23.8
1961-62	1,443,562	100.0	919,301	63.7	122,340	8.5	79,028	5.4	323,893	22.4
1962-63	1,467,757	100.0	932,041	63.5	130,503	8.9	83,167	5.7	322,046	21.9
1963-64 -										
Total, July-December	868,067	100.0	568,010	65.4	80,672	9.3	53,925	6.2	165,460	19.1
January	148,238	100.0	98,946	66.7	12,293	8.3	9,501	6.4	27,498	18.6
February	117,839	100.0	73,227	62.1	9,049	7.7	8,004	6.8	27,559	23.4
March	112,413	100.0	68,203	60.7	8,288	7.4	7,391	6.5	28,531	25.4
April	91,706	100.0	51,784	56.5	6,413	7.0	5,464	5.9	28,047	30.6
May	81,626	100.0	42,413	52.0	6,875	8.4	4,136	5.1	28,202	34.5
June	76,504	100.0	38,204	49.9	6,841	9.0	3,814	5.0	27,645	36.1
Total, Year 1963-64	1,496,395	100.0	940,787	62.9	130,431	8.7	92,235	6.1	332,942	22.3
1964-65 P -										
July	91,711	100.0	49,599	54.1	8,819	9.6	4,907	5.4	28,386	30.9
August	124,340	100.0	75,763	60.9	12,628	10.2	7,688	6.2	28,261	22.7
September	158,413	100.0	103,957	65.6	16,032	10.1	10,508	6.7	27,916	17.6
October	187,321	100.0	128,590	68.7	18,581	9.9	11,469	6.1	28,681	15.3
November	186,947	100.0	129,425	69.2	18,102	9.7	11,255	6.0	28,165	15.1
December	178,279	100.0	122,915	68.9	16,731	9.4	10,671	6.0	27,962	15.7
Total, July-December	927,011	100.0	610,249	65.8	90,893	9.8	56,498	6.1	169,371	18.3
January	153,397	100.0	102,528	66.8	13,249	8.7	9,980	6.5	27,640	18.0
February	117,597	100.0	73,804	62.8	8,998	7.6	7,590	6.5	27,205	23.1
March	100,573	100.0	57,573	57.2	7,147	7.1	6,389	6.4	29,464	29.3
April	75,073	100.0	37,470	49.9	5,486	7.3	4,062	5.4	28,055	37.4
May	68,362	100.0	30,893	45.2	5,373	7.9	3,494	5.1	28,602	41.8
June	66,647	100.0	28,986	43.5	5,689	8.5	3,724	5.6	28,248	42.4
Total, Year 1964-65	1,508,660	100.0	941,503	62.4	136,835	9.1	91,737	6.1	338,585	22.4
1965-66 P -										
July	82,468	100.0	41,350	50.2	7,526	9.1	4,953	6.0	28,639	34.7
August	120,008	100.0	71,772	59.8	11,512	9.6	8,255	6.9	28,469	23.7
September	158,787	100.0	104,819	66.0	15,324	9.7	10,785	6.8	27,859	17.5
October	188,019	100.0	127,904	68.0	18,213	9.7	12,965	6.9	28,937	15.4
November	183,168	100.0	126,568	69.1	16,400	9.0	11,757	6.4	28,443	15.5
December	177,379	100.0	123,227	69.4	14,469	8.2	11,021	6.2	28,662	16.2
Total, July-December	909,829	100.0	595,640	65.4	83,444	9.2	59,736	6.6	171,009	18.8
- % -										
Percentage change, Six months ended December, 1965 on 1964	-1.9	..	-2.4	..	-8.2	..	+5.7	..	+1.0	..

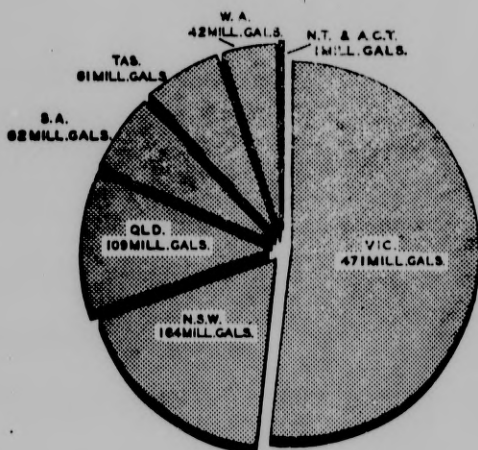
(a) Quantities of milk used to produce two or more products (for example, initially as full cream milk and subsequently as skim milk) are counted once only. (b) Principally fluid milk for domestic purposes.

The quantities of milk used in the manufacture of factory butter and cheese have been estimated from recorded monthly output on the basis of factors ascertained from the annual factory returns. Monthly estimates of milk used for preserved milk products are obtained from factories engaged in this industry. The amount of milk used for all 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" includes milk consumed on farms (except that used for making farm butter and cheese) and quantities used by factories for manufacture of confectionery, etc.

WHOLE MILK

PRODUCTION AND UTILIZATION
SIX MONTHS ENDED DECEMBER, 1965
PRODUCTION, AUSTRALIA: 910 MILL. GALS.

PRODUCTION, STATES



UTILIZATION, AUSTRALIA

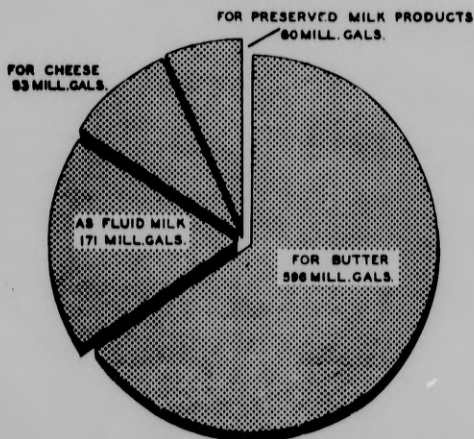


TABLE 4. - PRODUCTION OF WHOLE MILK

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia (a)
- '000 gals. -								
1960-61	319,410	596,706	212,749	87,030	58,544	63,858	1,005	1,339,302
1961-62	344,724	630,948	239,823	95,504	59,240	73,206	1,117	1,443,562
1962-63	324,113	667,562	245,067	95,378	56,029	78,518	1,090	1,467,757
1963-64 -								
<u>Total, July-December</u>	168,711	436,513	117,285	58,893	37,433	48,585	608	868,067
January	36,185	65,092	27,137	7,477	3,594	8,638	108	148,238
February	30,031	49,452	23,320	5,784	2,512	6,640	93	117,839
March	27,653	46,533	23,327	5,313	2,305	7,167	89	112,413
April	22,354	37,113	18,572	5,400	2,513	5,667	83	91,708
May	19,715	31,574	15,788	6,846	3,818	3,792	87	81,626
June	17,897	28,713	14,398	7,810	4,287	2,615	78	76,504
<u>Total, Year 1963-64</u>	322,547	694,990	239,827	97,523	57,162	83,124	1,146	1,496,395
1964-65 P -								
July	19,388	38,995	15,350	8,792	5,916	3,186	76	91,711
August	21,739	63,147	16,919	9,960	6,354	6,132	81	124,340
September	26,206	85,120	19,483	11,237	6,844	9,422	93	158,413
October	32,780	97,701	25,226	12,302	7,339	11,855	110	187,321
November	34,108	96,620	25,315	11,521	6,751	12,505	118	186,947
December	33,937	90,570	24,932	10,555	5,988	12,177	111	178,279
<u>Total, July-December</u>	168,158	472,153	127,225	64,367	39,192	55,277	589	927,011
January	30,433	75,770	24,518	8,105	4,214	10,245	104	153,397
February	25,867	53,571	22,117	6,042	2,810	7,094	88	117,597
March	23,765	44,080	18,689	5,613	2,537	5,791	90	100,573
April	17,447	32,964	12,412	5,334	2,694	4,136	78	75,073
May	16,583	27,105	11,031	6,485	4,411	2,665	74	68,362
June	15,625	24,977	10,257	7,730	5,844	2,135	71	66,647
<u>Total, Year 1964-65</u>	297,878	730,620	226,249	103,676	61,702	87,343	1,094	1,508,660
1965-66 P -								
July	16,695	36,176	10,886	8,741	6,823	3,067	72	82,468
August	20,972	61,365	13,420	10,059	7,251	6,860	73	120,008
September	26,957	84,467	17,802	11,391	7,498	10,586	78	158,787
October	32,002	101,505	21,473	11,981	7,639	13,315	96	188,019
November	32,210	98,784	20,715	10,498	7,004	13,843	105	182,168
December	35,368	89,198	24,933	9,123	5,827	12,817	104	177,319
<u>Total, July-December</u>	164,204	471,495	109,229	61,793	42,042	60,488	528	909,829
- % -								
Percentage change, Six months ended December, 1965 on 1964	-2.4	-0.1	-14.1	-4.0	+7.3	+9.4	-10.4	-1.9

(a) From July, 1963, includes estimates of production in the Northern Territory.

Average Annual Production of Whole Milk per Cow : States. - Particulars of average annual yield of milk per cow in each State for the years 1960-61 to 1964-65 are shown in Volume 28, No. 7 of this bulletin.

Annual 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 1963 and 1964 are also shown in Volume 28, No. 7 of this bulletin.

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

At 31st March -	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	A.C.T.	Australia
1961	43,640	92,315	47,403	18,235	10,419	11,704	99	223,315
1962	43,369	95,661	47,486	18,331	10,562	12,220	99	229,228
1963	43,089	97,372	46,574	18,836	10,514	12,701	84	229,270
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	13,805	93	(b)231,389

(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 Northern Territory.

III. BUTTER

TABLE 6. - FACTORY PRODUCTION OF BUTTER

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Australia
	- tons -						
1960-61	33,997	89,356	31,081	6,858	7,661	10,256	179,209
1961-62	38,991	95,649	35,643	7,424	7,183	12,063	197,256
1962-63	35,968	101,431	36,456	7,319	6,963	13,097	201,234
1963-64	36,107	103,348	35,366	7,405	6,915	13,668	202,809
1964-65 P	29,948	111,282	32,833	7,687	7,309	13,906	203,465
July-December P -							
1964	18,317	75,192	18,730	4,986	5,520	9,093	131,838
1965	18,403	74,649	15,456	4,686	6,271	9,609	129,074
Percentage change, Six months ended December, 1965 on 1964	+0.5	-0.7	-17.5	-6.0	+13.6	+5.7	-2.1
	- % -						

TABLE 7. - PRODUCTION AND UTILIZATION OF BUTTER : AUSTRALIA

Year	Changes in Stocks (a)	Factory Production (b)	Exports (c)		Available for Con- sumption in Australia	
			Quantity	Proportion of Production	Total Quantity	Per Head
	tons	tons	tons	%	tons	lb.
1960-61	(+) 1,910	181,654	63,426	34.9	116,318	25.1
1961-62	(+) 4,775	198,621	80,085	40.3	113,761	24.0
1962-63	(+) 7,065	202,382	80,583	39.8	114,734	23.8
1963-64	(-) 2,318	203,848	91,031	44.7	115,135	23.4
1964-65 P	(-) 6,867	203,465	96,819	47.6	113,513	22.6
July-December P -						
1964	(+) 16,326	131,838	57,689	43.8	57,823	11.6
1965	(+) 27,275	129,074	46,332	35.9	55,467	10.9

(a) Balance figure (includes imports from 1963-64). (b) For years prior to 1964-65, includes small quantities of butter made on farms. (c) Includes ghee, concentrated butter etc., expressed as butter as well as butter shipped as ships' stores.

TABLE 8. - MONTHLY FACTORY PRODUCTION OF BUTTER (a)
(Tons)

State	Year	July	August	Sept.	Oct.	Nov.	Dec.	Total July-Dec.	Jan.	Feb.	March	April	May	June	Total Year (b)
New South Wales	1961-62	1,469	1,846	2,827	4,400	5,056	5,611	21,209	5,575	4,140	3,253	2,182	1,457	1,077	38,994
	1962-63	1,233	1,886	2,514	3,952	4,106	4,317	18,008	5,127	4,116	3,351	2,564	1,601	1,239	35,968
	1963-64	1,261	1,755	2,666	3,851	4,749	5,121	19,403	4,867	3,641	3,130	2,176	1,622	1,268	36,107
	1964-65 P	1,406	1,835	2,658	3,956	4,229	4,233	18,317	3,643	2,872	2,238	1,175	948	755	29,948
	1965-66 P	986	1,753	2,997	3,956	4,039	4,672	18,403							
Victoria	1961-62	4,080	8,057	12,130	15,362	14,429	11,978	66,036	9,243	7,032	5,627	3,424	2,319	2,214	95,649
	1962-63	4,296	8,278	11,561	14,987	14,767	13,205	67,094	10,415	8,096	6,375	4,247	2,760	2,442	101,431
	1963-64	4,389	8,089	11,651	15,460	15,270	13,124	67,983	9,748	6,849	6,268	4,761	3,910	3,507	103,348
	1964-65 P	5,347	9,587	13,601	15,995	15,867	14,795	75,192	12,044	8,059	6,041	4,156	3,084	2,704	111,282
	1965-66 P	4,680	9,114	13,487	16,534	16,273	14,561	74,642							
Queensland	1961-62	1,323	1,500	1,966	2,919	3,767	4,936	16,411	5,188	3,894	3,405	2,854	2,179	1,712	35,643
	1962-63	1,756	2,081	2,318	3,411	3,050	3,845	16,461	4,996	4,116	3,341	3,337	2,401	1,804	36,456
	1963-64	1,910	1,935	2,548	2,993	3,322	4,239	16,947	4,342	3,648	3,664	2,761	2,132	1,872	35,366
	1964-65 P	2,009	2,319	2,781	3,855	3,928	3,838	18,730	3,796	3,427	2,778	1,608	1,326	1,168	32,833
	1965-66 P	1,263	1,724	2,464	3,083	3,019	3,903	15,456							
South Australia	1961-62	654	824	901	933	807	670	4,789	580	397	252	351	435	518	7,424
	1962-63	609	760	776	937	820	648	4,550	565	453	362	343	479	567	7,319
	1963-64	682	740	812	934	805	663	4,636	558	412	345	365	489	601	7,405
	1964-65 P	683	737	856	978	900	832	4,986	593	414	385	324	424	561	7,587
	1965-66 P	641	762	875	876	804	728	4,686							
Western Australia	1961-62	952	1,069	1,112	1,125	934	654	5,846	368	153	93	142	347	540	7,483
	1962-63	739	869	913	1,050	918	715	5,204	402	169	104	135	377	574	6,963
	1963-64	773	871	949	1,047	914	635	5,189	351	146	104	149	390	631	6,915
	1964-65 P	783	886	986	1,066	974	825	5,520	478	209	134	179	500	789	7,809
	1965-66 P	965	1,100	1,158	1,168	1,057	823	6,271							
Tasmania	1961-62	232	685	1,300	1,820	1,893	1,712	7,642	1,451	1,013	882	611	310	154	12,063
	1962-63	341	847	1,276	1,877	2,020	1,908	8,269	1,494	1,227	962	686	300	159	13,097
	1963-64	323	780	1,317	1,863	2,015	1,929	8,227	1,491	1,086	1,173	890	523	304	13,668
	1964-65 P	393	953	1,566	1,993	2,122	2,066	9,093	1,701	1,135	878	586	310	203	13,906
	1965-66 P	355	1,026	1,662	2,156	2,291	2,119	9,609							
AUSTRALIA	1961-62	8,710	13,981	20,236	26,559	26,886	25,561	121,933	22,505	16,629	13,612	9,564	7,047	6,215	197,256
	1962-63	8,974	14,721	19,358	26,214	25,681	24,638	119,586	22,999	18,177	14,495	11,312	7,918	6,765	201,234
	1963-64	9,338	14,170	19,943	26,148	27,075	25,711	122,385	21,357	15,782	14,684	11,102	9,066	8,183	202,809
	1964-65 P	10,621	16,317	22,448	27,843	28,020	26,589	131,838	22,255	16,116	12,454	8,030	6,592	6,180	203,465
	1965-66 P	8,890	15,479	22,643	27,773	27,483	26,806	129,074							

(a) Source : Commonwealth Dairy Produce Equalisation Committee Ltd. and State Departments of Agriculture. (b) Totals prior to 1964-65 are derived from annual factory censuses, and may differ slightly from totals of monthly figures, due to differences in accounting procedures.

BUTTER

FACTORY PRODUCTION, STATES

SIX MONTHS ENDED DECEMBER, 1965

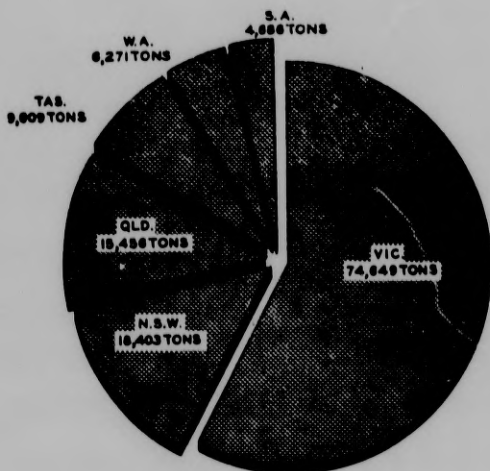
FACTORY PRODUCTION, AUSTRALIA: 129,074 TONS

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

Country of Consignment	1961-62	1962-63	1963-64	1964-65	July to December		Proportion of Total, July to December	
					1964	1965 P	1964	1965
	- tons -						- % -	
United Kingdom	68,031	65,094	74,362	75,696	50,044	34,350	90.5	82.3
Malaysia (b)	1,105	1,096	1,187	2,527	975	950	1.7	2.3
South Africa	1	25	5	1,614	5	949	(c)	2.3
Pearu	414	640	1,123	1,675	633	601	1.1	1.4
Hong Kong	1,052	1,239	1,494	1,089	488	595	0.9	1.4
Japan	141	54	38	43	20	525	(c)	1.3
Ceylon	929	1,195	1,417	991	570	505	1.0	1.2
Singapore (d)	1,061	1,291	1,743	n.a.	n.a.	452	n.a.	1.1
Saudi Arabia	153	213	359	479	211	376	0.4	0.9
Papua and New Guinea	293	296	406	442	216	233	0.4	0.6
Polynesia	310	282	295	304	143	195	0.3	0.5
Ghana	35	55	88	263	140	181	0.3	0.4
New Caledonia	237	261	274	323	162	167	0.3	0.4
Mauritius	258	256	286	255	152	148	0.3	0.4
South Arabia, Fed. of	48	64	79	165	83	124	0.2	0.3
Thailand	108	119	154	154	95	117	0.2	0.3
China, Republic of (Formosa)	147	170	160	196	83	108	0.2	0.3
Malta	112	100	128	587	129	100	0.2	0.2
Panama	4	11	23	116	67	85	0.1	0.2
Bahama Islands	9	95	194	120	50	72	0.1	0.2
Honduras (British)	76	72	97	76	41	59	0.1	0.1
Antilles	82	96	80	94	54	54	0.1	0.1
Guiana (British)	149	164	171	219	54	54	0.1	0.1
Bahrain	88	114	151	168	87	48	0.2	0.1
All other countries (e)	3,162	4,408	3,437	2,690	713	679	1.3	1.6
TOTAL	78,005	77,410	87,751	90,286	55,215	41,727	100.0	100.0

(a) Excludes ghee, butter concentrate and ships' stores. (b) Includes Singapore from 1st July, 1964 to 30th September, 1965. (c) Less than 0.05 per cent. (d) Included in Malaysia from 1st July, 1964 to 30th September, 1965. (e) Includes shipments made "for orders".

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.

Particulars of the quantities and relative proportions of bulk butter graded for export, according to quality, for the years 1960-61 to 1964-65 are shown in Table 11, Vol. 28, No. 7 of this bulletin.

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

(Source : Australian Dairy Produce Board)

(Tons)

End of Month	1961-62	1962-63	1963-64	1964-65	1965-66
July	7,959	11,922	7,474	8,288	7,608
August	7,085	10,693	6,731	11,811	9,583
September	9,247	12,106	9,871	14,124	13,318
October	15,384	14,856	12,252	16,424	16,420
November	19,817	20,338	17,542	19,172	19,870
December	25,262	21,956	19,452	23,476	25,762
January	31,288	30,678	26,032	26,657	
February	35,411	37,331	25,399	25,278	
March	37,739	39,842	26,738	22,371	
April	32,805	36,961	25,463	20,011	
May	22,839	25,442	19,739	14,917	
June	16,191	13,399	12,448	9,843	

IV. CHEESETABLE 11. - FACTORY PRODUCTION OF CHEESE

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Australia
	- tons -						
1960-61	5,473	19,977	7,222	12,609	1,352	348	46,981
1961-62	6,163	23,919	8,974	14,659	1,364	605	55,684
1962-63	5,524	25,569	10,201	15,164	1,438	643	58,539
1963-64	5,421	25,177	9,492	15,284	1,506	1,337	58,217
1964-65 P	4,129	27,270	8,525	17,338	1,783	2,344	61,389
July - December P -							
1964	2,882	17,548	5,500	12,001	1,330	1,557	40,818
1965	2,438	16,645	4,088	11,182	883	2,106	37,342
Percentage change, Six months ended December, 1965 on 1964	-15.4	-5.1	-25.7	-6.8	-33.6	+35.3	-9.5
	- % -						

TABLE 12. - PRODUCTION AND UTILIZATION OF CHEESE : AUSTRALIA

Year	Changes in Stock (a)	Factory Production (b)	Exports (c)		Available for Consumption in Australia	
			Quantity	Proportion of Production	Total Quantity	Per Head
	tons	tons	tons	%	tons	lb.
1960-61	(-) 788	47,102	18,073	38.4	29,817	6.4
1961-62	(+) 2,192	55,738	22,422	40.2	31,124	6.6
1962-63	(+) 234	58,655	25,975	44.3	32,446	6.7
1963-64	(-) 4,945	58,241	27,879	47.9	35,307	7.2
1964-65 P	(-) 1,133	61,389	27,269	44.4	35,253	7.0
July - December P -						
1964	(+) 9,110	40,818	14,873	36.4	16,835	3.5
1965	(+) 5,796	37,342	14,315	38.3	17,231	3.4

(a) Balance figure (includes imports). (b) For years prior to 1964-65, includes small quantities of cheese made on farms. (c) Includes ships' stores.

TABLE 13. - MONTHLY FACTORY PRODUCTION OF CHEESE (a)
(Tons)

State	Year	July	August	Sept.	Oct.	Nov.	Dec.	Total July-Dec.	Jan.	Feb.	March	April	May	June	Total Year (b)
New South Wales	1961-62	219	353	505	705	727	711	3,220	711	606	562	344	259	249	6,163
	1962-63	246	327	433	594	615	616	2,831	643	518	459	357	270	226	5,524
	1963-64	248	361	482	632	658	617	2,998	612	496	395	254	213	179	5,421
	1964-65 P	231	304	423	609	655	660	2,882	501	303	189	83	83	88	4,129
	1965-66 P	96	193	385	579	611	574	2,438							
Victoria	1961-62	1,111	2,167	2,914	3,622	3,535	2,602	16,151	2,298	1,776	1,385	941	670	652	23,919
	1962-63	1,091	2,283	3,081	3,661	3,560	3,135	16,817	2,531	2,099	1,689	1,054	536	538	25,569
	1963-64	949	2,033	2,851	3,473	3,342	2,911	15,559	2,452	1,957	1,781	1,314	1,126	907	25,177
	1964-65 P	1,364	2,384	3,203	3,634	3,604	3,359	17,548	2,628	1,966	1,734	1,376	1,052	914	27,270
	1965-66 P	1,305	2,373	3,019	3,535	3,390	3,023	16,645							
Queensland	1961-62	311	439	663	902	978	1,265	4,558	1,209	831	657	586	600	531	8,974
	1962-63	547	691	852	1,093	981	1,091	5,255	1,261	970	766	761	588	599	10,201
	1963-64	620	668	814	945	878	1,137	5,062	1,039	794	816	610	610	561	9,492
	1964-65 P	694	786	869	1,092	1,041	1,018	5,500	970	752	560	302	245	196	8,525
	1965-66 P	240	394	736	1,000	805	913	4,088							
South Australia	1961-62	1,280	1,686	2,029	2,188	1,796	1,429	10,408	1,038	648	467	428	608	921	14,659
	1962-63	1,312	1,673	2,016	2,212	1,981	1,575	10,769	1,139	801	563	435	599	858	15,164
	1963-64	1,151	1,544	1,963	2,250	1,908	1,493	10,309	1,106	637	520	532	924	1,142	15,284
	1964-65 P	1,406	1,836	2,199	2,404	2,222	1,934	12,001	1,414	759	527	589	872	1,176	17,338
	1965-66 P	1,423	1,791	2,205	2,409	1,916	1,438	11,182							
Western Australia	1961-62	151	159	178	209	196	151	1,044	86	20	33	37	34	70	1,364
	1962-63	130	174	196	225	215	159	1,099	110	51	11	5	62	129	1,438
	1963-64	167	179	199	225	204	153	1,127	91	25	6	4	71	165	1,506
	1964-65 P	217	214	238	250	224	187	1,330	121	65	12	8	99	148	1,783
	1965-66 P	197	147	146	164	140	89	883							
Tasmania	1961-62	1	13	37	70	85	82	288	73	72	93	58	21	..	605
	1962-63	12	26	46	89	114	115	402	79	67	53	33	8	1	643
	1963-64	10	45	93	158	216	170	692	135	105	154	108	86	57	1,337
	1964-65 P	47	140	240	360	398	372	1,557	320	185	122	67	48	25	2,344
	1965-66 P	96	246	363	468	490	443	2,106							
AUSTRALIA	1961-62	3,073	4,817	6,326	7,696	7,317	6,444	35,669	5,417	3,955	3,197	2,396	2,192	2,423	55,684
	1962-63	3,338	5,174	6,624	7,874	7,472	6,691	37,173	5,763	4,506	3,541	2,645	2,063	2,351	58,539
	1963-64	3,145	4,830	6,402	7,683	7,206	6,481	35,747	5,435	4,014	3,672	2,822	3,030	3,014	58,217
	1964-65 P	3,959	5,664	7,172	8,349	8,144	7,530	40,818	5,954	4,032	3,194	2,445	2,399	2,547	61,389
	1965-66 P	3,357	5,144	6,854	8,155	7,352	6,480	37,342							

(a) Source : Commonwealth Dairy Produce Equalization Committee Ltd. and producers NOT within the Equalization Scheme. (b) Totals prior to 1964-65 are derived from annual factory censuses, and may differ slightly from totals of monthly figures, due to differences in accounting procedures.

CHEESE

FACTORY PRODUCTION, STATES

SIX MONTHS ENDED DECEMBER, 1965

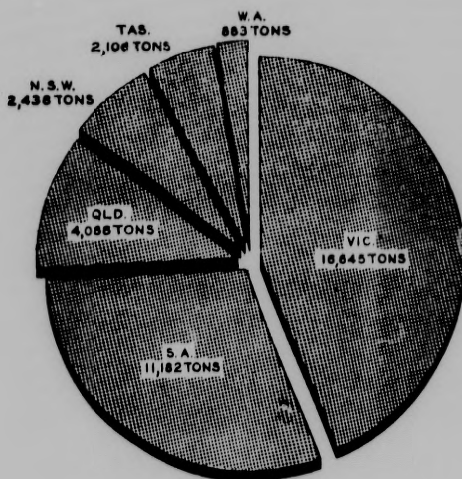
FACTORY PRODUCTION, AUSTRALIA: 37,342 TONS

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

Country of Consignment	1961-62	1962-63	1963-64	1964-65	July to December		Proportion of Total, July to December	
					1964	1965 P	1964	1965
	- tons -						- % -	
United Kingdom	17,427	13,632	13,059	16,061	10,024	6,308	67.5	45.5
Japan	690	2,418	2,736	2,399	1,293	1,863	8.7	13.4
Germany, Federal Republic of	95	623	639	1,408	220	1,194	1.5	8.6
United States of America	368	2,537	1,500	1,605	254	908	1.7	6.6
Philippines	721	660	1,292	1,430	880	863	5.9	6.2
Saudi Arabia	413	714	1,016	974	469	577	3.2	4.2
Kuwait	403	545	608	324	157	255	1.1	1.8
Iraq	271	371	568	350	164	235	1.1	1.7
South Arabia, Fed. of	78	117	131	152	68	168	0.5	1.2
Ceylon	236	79	195	103	83	150	0.6	1.1
Bahrain	112	99	123	113	70	107	0.5	0.8
Hong Kong	226	135	252	168	85	102	0.6	0.7
Mauritius	76	92	129	114	46	100	0.3	0.7
New Caledonia	84	68	83	105	47	62	0.3	0.4
Trinidad and Tobago	49	170	205	137	4	62	(b)	0.4
Malaysia (c)	87	126	132	381	159	58	1.1	0.4
Papua and New Guinea	57	64	70	102	50	50	0.3	0.4
New Zealand	..	3	(b)	5	(b)	37	(b)	0.3
Singapore (d)	193	230	215	n.a.	n.a.	35	n.a.	0.3
Barbados	12	33	51	38	18	32	0.1	0.2
Jamaica	78	143	108	57	19	32	0.1	0.2
Malta	93	196	124	72	39	30	0.3	0.2
Canada	..	3	5	8	5	22	(b)	0.2
China, Republic of (Formosa)	13	15	10	13	6	21	(b)	0.2
All other countries	596	2,865	4,577	1,080	683	595	4.6	4.3
TOTAL	22,378	25,938	27,828	27,199	14,843	13,866	100.0	100.0

(a) Excludes ships' stores. (b) Less than half the final digit shown. (c) Includes Singapore from 1st July, 1964 to 30th September, 1965. (d) Included in Malaysia from 1st July, 1964 to 30th September, 1965.

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

Particulars of the quantities and relative proportions of bulk cheese graded for export, according to quality, for the years 1960-61 to 1964-65 are shown in Table 17, Vol. 28, No. 7 of this bulletin.

TABLE 15. - STOCKS OF CHEESE HELD IN MAIN COLD STORES : AUSTRALIA
(Source : Australian Dairy Produce Board)

	(Tons)				
End of Month	1961-62	1962-63	1963-64	1964-65	1965-66
July	1,548	3,455	5,423	3,468	3,587
August	2,193	3,850	4,629	3,238	3,771
September	2,404	3,903	4,865	4,833	4,115
October	2,574	5,458	6,126	3,814	4,407
November	3,242	7,515	7,191	5,623	4,288
December	3,692	7,153	6,633	5,348	5,629
January	3,645	7,992	5,622	6,781	
February	4,483	7,294	4,342	5,193	
March	5,233	7,632	4,787	3,917	
April	4,825	7,295	3,860	3,924	
May	3,131	6,975	3,563	3,151	
June	3,078	6,029	3,258	3,321	

V. PRESERVED MILK PRODUCTS

TABLE 16. - PRODUCTION OF PRESERVED MILK PRODUCTS : AUSTRALIA

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

Period	Condensed, Concentrated and Evaporated Milk			Ice Cream Mixes		Infants' and Invalids' Food (c)	Casein
	Full Cream		Skim	Liquid	Powder		
	Sweetened (a)	Unsweetened (b)					
	- '000 lb. -						
1960-61	66,156	64,045	11,210	7,716	1,248	36,415	25,178
1961-62	63,299	65,694	13,168	8,226	1,360	38,137	30,356
1962-63	75,533	64,409	19,203	12,957	1,341	36,465	36,236
1963-64 -							
<u>Total, July-December</u>	54,390	36,663	13,168	5,967	713	23,984	26,584
January	10,608	7,993	3,052	1,543	60	2,761	3,563
February	8,934	7,302	2,467	1,187	33	3,015	2,125
March	7,767	9,202	2,307	682	70	3,303	1,744
April	7,738	5,225	1,589	407	46	3,988	1,518
May	4,708	3,111	1,593	433	48	3,869	960
June	2,753	2,651	1,610	340	75	4,096	866
<u>Total, Year 1963-64(d)</u>	95,744	71,964	25,712	11,896	973	44,105	37,360
1964-65 P -							
July	5,103	3,349	1,488	674	(e)	4,346	1,231
August	8,688	7,280	1,770	976	(e)	3,998	2,682
September	10,983	9,468	2,187	1,367	146	3,793	5,163
October	12,954	11,368	2,519	1,349	105	4,125	6,785
November	12,447	10,078	2,627	1,183	108	4,207	6,830
December	13,103	9,363	2,633	1,653	98	3,481	6,070
<u>Total, July-December</u>	63,278	50,906	13,224	7,202	525	23,950	28,761
January	10,883	10,152	2,568	1,216	16	3,187	4,428
February	8,954	9,119	2,078	965	100	3,872	2,578
March	8,126	8,047	1,755	1,045	36	4,017	1,475
April	5,477	5,117	924	810	65	3,133	1,029
May	3,795	2,378	1,009	668	15	2,988	640
June	2,662	1,135	1,151	643	29	4,408	701
<u>Total, Year 1964-65</u>	103,175	86,854	22,709	12,549	786	45,555	39,612
1965-66 P -							
July	3,087	2,476	1,407	452	(e)	4,422	1,476
August	6,038	7,696	1,488	637	17	4,175	3,165
September	9,163	9,304	1,860	764	47	3,753	6,861
October	10,275	11,549	2,037	1,038	(e)	3,539	8,927
November	9,137	9,695	2,287	1,553	(e)	4,221	8,619
December	8,877	7,968	3,140	1,787	(e)	3,388	7,547
<u>Total, July-December</u>	46,577	48,688	12,219	6,231	(e)	23,498	36,595
Percentage change, Six months ended December, 1965 on 1964	-26.4	-4.4	-7.6	-13.5	(e)	-1.9	+27.2

For footnotes, see end of table on Page 17.

TABLE 16. - PRODUCTION OF PRESERVED 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. -									
1960-61	38,353	3,211	67,138	10,607	5,027		1,551	15,153	141,040
1961-62	42,211	3,115	69,525	10,177	4,738		1,353	16,710	147,829
1962-63	37,829	1,874	76,689	10,845	4,800	1,834	2,543	18,258	154,680
1963-64 -									
<u>Total, July-December</u>	23,999	1,175	43,431	8,107	2,976	3,006	2,901	10,984	96,582
January	4,833	143	7,682	991	688	247	473	1,697	16,759
February	3,553	124	5,094	703	316	144	393	1,186	11,523
March	2,388	136	4,270	324	198	145	284	1,070	9,323
April	1,627	185	3,140	618	224	130	140	768	6,832
May	1,657	183	3,881	690	167	320	289	600	7,787
June	1,913	124	2,735	560	289	334	170	579	6,324
<u>Total, Year 1963-64(d)</u>	40,069	2,110	70,190	12,783	4,854	4,303	4,650	17,060	156,019
1964-65 P -									
July	2,207	245	3,319	727	406	326	279	787	8,796
August	3,319	237	7,156	1,202	327	486	514	1,283	14,524
September	4,325	237	9,941	1,820	549	478	531	1,943	19,824
October	5,719	268	12,096	1,432	378	426	661	2,440	23,420
November	5,580	350	12,156	2,103	576	564	628	2,508	24,465
December	5,360	183	11,045	1,789	1,190	592	472	2,185	22,816
<u>Total, July-December</u>	26,510	1,520	55,713	9,073	3,426	3,372	3,085	11,146	113,845
January	4,607	121	9,193	1,406	670	312	412	1,657	18,378
February	2,956	94	5,993	857	234	381	284	997	11,796
March	2,492	57	4,026	617	227	255	223	322	8,719
April	1,236	88	2,939	431	251	60	229	589	5,823
May	1,392	92	2,443	620	245	164	192	513	5,661
June	1,244	132	1,830	577	244	580	272	606	5,485
<u>Total, Year 1964-65</u>	40,437	2,104	82,137	13,581	5,297	5,124	4,697	16,330	169,707
1965-66 P -									
July	2,638		3,143	695	279	448	450	763	9,416
August	3,894		6,847	1,266	604	785	757	1,351	15,504
September	5,129		8,914	1,967	493	739	1,168	2,133	20,543
October	6,418		10,586	2,159	609	663	1,331	2,510	24,326
November	5,884		10,553	1,840	626	1,003	1,180	2,156	23,542
December	5,654		10,628	1,470	835	1,036	1,058	2,282	22,963
<u>Total, July-December</u>	29,617		50,671	9,397	3,446	4,674	5,994	11,495	115,294
- % -									
Percentage change, Six months ended December, 1965 on 1964	+5.7		-9.0	+3.6	+0.6	+38.6	+91.3	+3.1	+1.3

(a) Includes "Coffee and Milk". (b) Includes (i) Whole (10% Butterfat or more), (ii) Less than 10% Butterfat. (c) Includes Malted Milk and Milk Sugar (Lactose). (d) These totals are derived from annual factory censuses, and may differ slightly from totals of monthly figures, due to differences in accounting procedures. (e) Not available for publication.

TABLE 17. - PRODUCTION AND UTILIZATION OF PRESERVED MILK PRODUCTS : AUSTRALIA

Year	Net Change in Factory Stocks (a) (Tons)	Production (Tons)	Exports (b)		Quantity Available for Consumption in Australia (Tons)
			Quantity (Tons)	Proportion of Production (Per cent.)	
CONDENSED, CONCENTRATED AND EVAPORATED MILK (c)					
1960-61	(d) (+) 873	63,129	19,729	31.3	42,527
1961-62	(d) (+) 106	63,466	18,206	28.7	45,154
1962-63	(d) (+) 32	71,047	26,894	37.9	44,121
1963-64	(d) (-) 18	86,347	34,971	40.5	51,394
1964-65 P	(d) (+) 550	94,972	40,244	42.4	54,178
ICE CREAM MIXES					
1960-61	(+) 95	4,002	53	1.3	3,854
1961-62	(+) 11	4,280	103	2.4	4,166
1962-63	(+) 18	6,383	127	2.0	6,233
1963-64	(+) 550	5,745	96	1.7	5,099
1964-65 P	(-) 372	5,953	94	1.4	6,241
INFANTS' AND INVALIDS' FOOD (INCLUDING MALTED MILK)					
1960-61	(-) 2,326	16,257	6,832	42.0	11,751
1961-62	(-) 1,016	17,025	6,530	38.4	11,511
1962-63	(-) 2,181	17,172	6,717	39.1	12,636
1963-64	(-) 1,915	19,690	8,002	40.6	13,603
1964-65 P	(-) 2,590	20,337	7,376	36.3	15,551

CASEIN

1960-61	(+) 1,005	11,240	8,528	75.9	1,707
1961-62	(-) 312	13,552	12,114	89.4	1,750
1962-63	(+) 341	16,177	13,539	83.7	2,297
1963-64	(-) 555	16,679	16,779	100.6	455
1964-65 P	(-) 274	17,684	16,350	92.5	1,608

POWDERED MILK (FULL CREAM AND SKIM)

1960-61	(+) 1,241	55,507	22,065	39.8	32,201
1961-62	(+) 3,107	57,931	21,587	37.3	33,237
1962-63	(-) 1,466	59,768	30,237	50.6	30,997
1963-64	(-) 762	59,960	24,397	41.5	35,825
1964-65 P	(-) 1,436	66,374	33,409	50.3	34,401

(a) Includes allowance for imports. (b) Includes ships' stores. (c) Includes Full Cream and Skim Milk. (d) Excludes Condensed, etc., Skim Milk.

TABLE 18. - EXPORTS OF PRESERVED MILK PRODUCTS (a) : AUSTRALIA

Year	Preserved, Condensed, Concentrated, etc. .		Ice Cream Mixes	Infants' and Invalids' Food (b) (Essentially of Milk)	Casein	Dried or in Powdered Form	
	Sweetened	Unsweetened				Full Cream	Skim
- tons -							
1960-61	17,048	2,516	53	6,832	8,528	7,005	15,060
1961-62	16,084	1,932	103	6,530	12,114	5,823	15,764
1962-63	24,300	2,267	127	6,717	13,539	6,368	23,869
1963-64	31,051	3,722	96	8,002	16,779	6,813	18,084
1964-65	34,853	5,213	84	7,376	16,350	8,365	25,044
July- December -							
1964	17,983	2,171	37	3,868	7,895	4,060	13,761
1965 P	10,466	3,243	37	5,885	9,987	3,623	8,550
- % -							
Percentage change, Six months ended December, 1965 on 1964	-41.8	+49.4	..	+52.1	+26.5	-10.8	-37.9

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

VI. FACTORIES PRODUCING BUTTER, CHEESE AND PRESERVED 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 19. - FACTORIES PRODUCING BUTTER, CHEESE AND PRESERVED MILK PRODUCTS :
AUSTRALIA

Year	Factories	Persons Employed (a)	Salaries and Wages Paid (b)	Value of Output (c)	Cost of Power, Fuel and Light, etc. Used (d)	Cost of Materials etc. Used (e)	Value of Production (f)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	No.	No.			- \$'000 -		
1959-60	363	11,139	22,084	280,086	5,840	224,614	49,632
1960-61	361	11,072	23,048	267,838	5,650	213,214	48,974
1961-62	353	11,317	24,476	291,298	5,862	223,850	51,586
1962-63	348	11,320	24,882	285,076	5,960	226,692	52,424
1963-64	347	11,510	26,314	309,962	6,138	244,598	59,236

(a) Includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Value at the factory of goods produced. (d) Includes water and lubricating oil. (e) Includes also cost of containers, packing, etc., replacements of tools and repairs to plant. (f) Value of Production equals column (4) less the sum of columns (5) and (6).

VII. MARKETING ARRANGEMENTS AND ASSISTANCE TO THE DAIRYING INDUSTRY

Butter and Cheese Equalization Scheme. - A butter and cheese price equalization 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 Limited. 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 equalizes returns to factories through an Equalization Fund.

Casein Equalization Plan. - Details of the Equalization Plan, operated by the Casein Equalization Committee from July, 1946, to September, 1949, were given in Volume 11, No. 14 of this bulletin, and of the current plan operated by the Casein Equalization Advisory Committee, in Volume 16, No. 7 of this bulletin.

The average realization per cwt. for 1961-62 was \$16.328; for 1962-63, \$15.908; for 1963-64, \$16.101; and for 1964-65, \$17.381.

The interim equalization value for 1965-66 has been fixed at \$21.00 per cwt.

TABLE 20. - WHOLESALE PRICES OF BUTTER AND CHEESE, AUSTRALIA (a)
(\$ per cwt.)

Date from which prices become effective	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.
BUTTER						
26th July, 1955	45.27	45.27	45.15	45.03	45.27	45.27
1st July, 1956	46.67	46.67	46.55	46.43	46.67	46.67
1st July, 1958	48.53	48.53	48.42	48.42	48.53	48.53
1st July, 1960	50.17	50.17	50.05	50.17	50.17	50.17
19th June, 1964	51.80	51.80	51.80	51.80	51.80	51.80
CHEESE						
26th July, 1955	27.53	27.53	27.53	27.42	27.53	27.53
1st July, 1956	28.23	28.23	28.23	28.12	28.23	28.23
1st July, 1958	29.17	29.17	29.17	29.17	29.17	29.17
1st July, 1960	29.63	29.63	29.63	29.63	29.63	29.63
19th June, 1964	30.57	30.57	30.57	30.57	30.57	30.57

(a) Maximum prices as determined by the Commonwealth Dairy Produce Equalisation Committee Ltd., for choicest grade bulk butter and cheese.

Overseas Marketing. - Historical information on overseas marketing appears in Vol. 25, No. 14 of this bulletin.

The quota on imports of butter from Australia into the United Kingdom for the year 1st April, 1965, to 31st March, 1966, has been fixed at 66,700 tons, the same figure as the previous year.

Details of the average rates realized on all butter and cheese sold overseas are given in Table 21.

Commonwealth Subsidies and Stabilization Plans. - Subsidies are distributed by the Commonwealth Dairy Produce Equalisation Committee Limited, through factories to milk producers, by payments on butter and cheese manufactured. Details of the rates of subsidy paid on butter and cheese for the years ended 30th June, 1961 to 1966 are shown in Table 21. No Commonwealth subsidy was paid on milk supplied for the manufacture of processed milk products between 30th June, 1952 and 30th June, 1962. However, the Commonwealth Government provided, under 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. For 1963-64 the maximum amount of bounty provided was increased to \$1,000,000, and for 1964-65 it was fixed at \$900,000. For the years 1965-66 and 1966-67 the bounty has been continued at \$800,000 per annum.

The third five-year stabilization plan came into operation on 1st July, 1962 (the first commenced on 1st July, 1952, and the second on 1st July, 1957). The current plan continues all the important features of the previous plans, details of which are given in Volume 25, No. 7, and Volume 26, No. 7, respectively, of this bulletin.

Several new features have been introduced into the present plan. These are : a fixed bounty of \$27,000,000 will be provided for each year of the plan; the Dairy Industry Investigation Committee has been disbanded (this Committee was responsible for the determination of the cost of efficient production of butterfat for the second plan, but such a determination is not required for the current plan); the Australian Dairy Industry Council assumes responsibility for determining local prices for butter and cheese instead of the Minister for Primary Industry as previously; and products containing 40 per cent. or more of butterfat will be eligible for bounty payment provided they are taken into the Equalization pool.

The Dairying Industry Stabilization Fund was established in July, 1948 for the purpose of stabilizing returns from exports. Including allowances for outstanding debts and investments, the amount standing to the credit of the Dairying Industry Stabilization Fund at 30th June, 1965, totalled approximately \$4,268,000.

Further details on the fund are given in Volume 25, No. 7 of this bulletin.

TABLE 21. - BUTTER AND CHEESE : RATES REALIZED ON SALES, AVERAGE EQUALIZATION RATES AND RATES OF COMMONWEALTH SUBSIDY UNDER DAIRYING INDUSTRY ACTS

(Source : Commonwealth Dairy Produce Equalisation Committee Ltd.)

(\$ per cwt.)

Year	Rates realized on Sales			Average Equalization Rate	Rate of Subsidy	Rate of Overall Return to Manufacturer
	Local	Interstate	Oversea			
BUTTER						
1960-61	48.138	46.266	26.198	39.969	6.894	46.863
1961-62	47.941	46.667	29.098	39.843	6.256	46.099
1962-63	47.863	46.492	32.675	41.152	6.150	47.302
1963-64	47.646	47.033	33.825	41.726	6.104	47.830
1964-65	(a)	(a)	(a)	(b)41.750	6.087	(b)47.837
1965-66	(a)	(a)	(a)	(b)37.650	(b)5.667	(b)43.317
CHEESE						
1960-61	(c)28.391		21.150	25.610	2.847	28.457
1961-62	(c)28.390		18.950	24.123	2.438	26.561
1962-63	(c)28.391		20.282	24.224	2.333	26.557
1963-64	(c)34.245		21.137	25.512	2.357	27.869
1964-65	(a)	(a)	(a)	(b)25.300	2.228	(b)27.528
1965-66	(a)	(a)	(a)	(b)23.500	(b)1.950	(b)25.450

(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. (c) As cheddar.

TABLE 22. - 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
1960-61	41.842	4.449	37.393
1961-62	41.160	4.449	36.711
1962-63	42.233	4.449	37.784
1963-64	42.705	4.449	38.256
1964-65	(a) 42.712	4.449	38.263
1965-66	(a) 38.676	4.449	34.227

(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.

Dairy Industry Extension Grant. - Reference to earlier information on the Dairy Industry Extension Grant is made in Vol. 25, No. 14 of this bulletin. The annual grant by the Commonwealth Government was continued after 30th June, 1962 (when the five-year period for the previous assistance terminated), its annual value being increased from \$500,000 to \$700,000. The latest grant applies to the five years commencing 1st July, 1963.

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. Details of the maximum and operative rates of levy which applied under this legislation are given in Volume 27, No. 14 of this bulletin.

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 provided a maximum rate of levy of \$0.600 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), \$0.240; Local Promotion (2 parts), \$0.240; and Research (1 part), \$0.120. The operative rate of levy from 1st July, 1965, was fixed at \$0.500 per cwt. of butterfat, divided as follows : Overseas Marketing, \$0.200; Local Promotion, \$0.221; and Research, \$0.079.

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.

K.M. ARCHER
COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T.

4TH MAY, 1966.

NOTE. - Inquiries concerning these statistics may be made in Canberra by telephoning 41971 Extension 48 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.