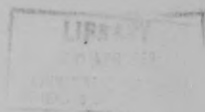


COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA
AUSTRALIA

STATISTICAL BULLETIN:
THE DAIRYING INDUSTRY
IN AUSTRALIA

YEAR ENDED DECEMBER, 1958
VOL. 21

No. 14

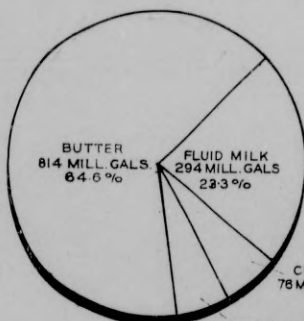


PREPARED UNDER INSTRUCTIONS FROM THE RIGHT HONORABLE THE TREASURER
BY
S. R. CARVER
COMMONWEALTH STATISTICIAN

PRODUCTION AND UTILIZATION OF WHOLE MILK AUSTRALIA

TOTAL PRODUCTION 1,261 MILLION GALLONS

1957-58



SIX MONTHS ENDED
DECEMBER, 1957

BUTTER
473 MILL. GALS.
65.9%

FLUID MILK
147 MILL. GALS.
20.5%

CHEESE
50 MILL. GALS.
7.0%

CONDENSERY PRODUCT
47 MILL. GALS.
6.6%

TOTAL 717 MILL. GALS.

SIX MONTHS ENDED
DECEMBER, 1958

BUTTER
506 MILL. GALS.
68.8%

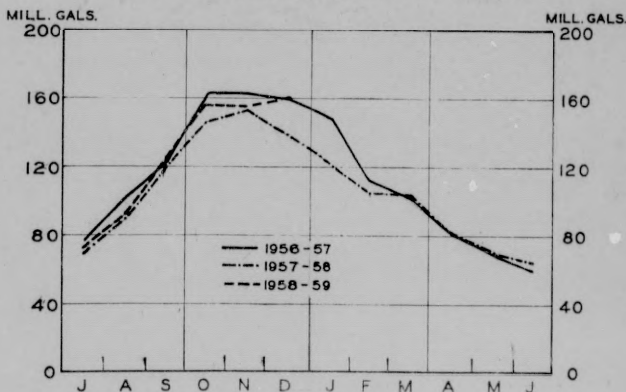
FLUID MILK
150 MILL. GALS.
19.7%

CHEESE
56 MILL. GALS.
7.3%

CONDENSERY PRODUCTS
47 MILL. GALS.
6.2%

TOTAL 759 MILL. GALS.

MONTHLY PRODUCTION, JULY, 1956 TO DECEMBER, 1958



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA

AUSTRALIA

STATISTICAL BULLETIN - THE DAIRYING INDUSTRY, AUSTRALIA

YEAR ENDED DECEMBER, 1958

Volume 21 - No. 14

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STATISTICAL BULLETIN : THE DAIRYING INDUSTRY, AUSTRALIA

YEAR ENDED DECEMBER, 1958.

Volume 21 - No. 14

PREFACE

The last full issue of this Bulletin (Volume 21 No. 7) was released on 28th October, 1958. This is the fourteenth issue of the series to be included in Volume 21 and embraces detailed statistics for the year ended December, 1958. Further detailed issues of the Bulletin will be published at half-yearly intervals, while supplementary issues confined to monthly particulars of production and utilization of whole milk and factory production of butter, cheese and preserved milk products will be prepared for the intervening months.

The principal statistical information contained in this Bulletin has been supplied by Statisticians in the various States, but I have also drawn upon statistical and other data prepared by the Department of Primary Industry, the Commonwealth Dairy Produce Equalization Committee Ltd. and the Australian Dairy Produce Board in connection with Australian and overseas prices, subsidies, and stocks of dairy produce held in main cold stores. To each of these authorities I tender my thanks for their valuable assistance and co-operation.

K.M. ARCHER

ACTING COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T.

16TH MARCH, 1959.

DAIRY CATTLE

1. NUMBER OF DAIRY CATTLE - AUSTRALIA: Details of the number of dairy cattle in Australia at 31st March for the years 1954 to 1958, are shown in the following table:-

TABLE 1 : DAIRY CATTLE : AUSTRALIA

31st March	Dairy Cows			Dairy Heifers 1 year and over	Dairy Calves under 1 year	Dairy Bulls	Total Dairy Cattle
	In Milk	Dry	Total				
1954	2,262,783	995,891	3,258,674	820,638	685,478	112,906	4,877,696
1955	2,338,658	943,435	3,282,143	847,485	690,012	112,028	4,931,668
1956	2,393,870	1,009,637	3,403,507	846,204	694,968	114,069	5,058,748
1957	2,354,301	1,097,149	3,451,450	835,620	716,321	114,759	5,118,150
1958 (a)	2,281,571	1,080,003	3,361,574	851,407	667,836	112,892	4,993,709

(a) Subject to revision.

The number of dairy cattle in Australia in March, 1958 was 4,993,709. This was 124,441 (2.4 per cent.) below the record number of the previous year.

2. NUMBER OF DAIRY CATTLE - STATES: The number recorded in March, 1958, was lower than in the previous year - in Queensland by 104,700 (7.6 per cent.); in South Australia by 6,700 (2.5 per cent.) and in New South Wales by 26,600 (2.0 per cent.). Numbers increased in Tasmania by 8,900 (4.5 per cent.); in Western Australia by 1,600 (0.7 per cent.) and in Victoria by 3,300 (0.2 per cent.).

Particulars of the total number of dairy cattle in each State as at 31st March of the years 1954 to 1958 are shown in the following table.

TABLE 2 : TOTAL DAIRY CATTLE : STATES

31st March	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	A.C.T.	AUSTRALIA
1954	1,286,196	1,540,730	1,383,208	261,030	229,516	173,595	3,421	4,877,696
1955	1,264,634	1,599,721	1,377,214	268,921	228,245	189,711	3,222	4,931,668
1956	1,337,815	1,662,548	1,383,739	264,303	223,584	183,602	3,157	5,058,748
1957	1,334,210	1,720,564	1,374,674	265,484	224,061	195,894	3,263	5,118,150
1958(a)	1,307,567	1,723,845	1,269,969	258,798	225,651	204,773	3,106	4,993,709

(a) Subject to revision.

The number of dairy cows recorded for each State for the years 1954 to 1958 is shown in the following table:-

TABLE 3 : TOTAL DAIRY COWS (in Milk and Dry) : STATES

31st March	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	A.C.T.	AUSTRALIA
1954	921,866	987,345	946,230	164,230	134,129	102,523	2,351	3,258,674
1955	906,774	1,025,233	931,568	169,822	134,696	111,781	2,269	3,282,143
1956	976,039	1,071,437	943,323	165,865	134,517	110,028	2,248	3,403,507
1957	971,868	1,112,293	944,516	166,549	134,478	119,485	2,261	3,451,450
1958(a)	941,854	1,126,792	867,285	164,046	134,239	125,186	2,172	3,361,574

(a) Subject to revision.

The following table shows dairy cattle numbers in each State as at 31st March in each of the years 1954 to 1958.

TABLE 4. DAIRY CATTLE : STATES

State	31st March	Dairy Cows		Dairy Heifers	Dairy Calves	Dairy Bulls	Total Dairy Cattle
		In Milk	Dry	1 year and over	under 1 year		
New South Wales	1954	663,945	257,921	200,540	139,233	24,557	1,286,196
	1955	668,610	238,164	203,583	130,437	23,840	1,264,634
	1956	693,112	282,977	194,397	143,335	23,944	1,337,815
	1957	686,949	284,919	191,476	147,398	23,468	1,334,210
	1958(a)	673,289	268,565	201,655	141,013	23,045	1,307,567
Victoria	1954	635,084	302,261	286,632	225,802	40,951	1,540,730
	1955	757,080	268,153	299,627	233,804	41,057	1,599,721
	1956	780,132	291,305	308,874	239,192	43,045	1,662,548
	1957	773,273	339,020	315,506	248,031	44,734	1,720,564
	1958(a)	741,415	383,377	317,003	235,794	44,256	1,723,845
Queensland	1954	661,256	284,974	214,325	194,510	28,143	1,383,208
	1955	655,307	276,437	226,437	191,269	27,940	1,377,214
	1956	664,443	278,880	225,627	186,900	27,889	1,383,739
	1957	630,558	313,958	215,201	187,138	27,819	1,374,674
	1958(a)	608,142	259,143	217,770	157,736	27,178	1,269,969
South Australia	1954	109,210	55,020	48,576	39,452	8,772	261,030
	1955	109,379	60,443	47,060	43,259	8,780	268,921
	1956	102,507	63,358	47,217	42,416	8,805	264,303
	1957	103,976	62,573	44,831	45,307	8,797	265,484
	1958(a)	98,640	65,406	45,672	40,485	8,595	258,798
Western Australia	1954	58,621	75,508	41,836	47,495	6,056	229,516
	1955	60,432	74,264	39,708	47,991	5,850	228,245
	1956	59,176	75,341	38,894	44,704	5,469	223,584
	1957	58,851	75,627	37,924	46,271	5,388	224,061
	1958(a)	57,614	76,625	38,135	48,099	5,178	225,651
Tasmania	1954	83,280	19,243	28,426	38,274	4,372	173,595
	1955	86,496	25,285	30,766	42,652	4,512	189,711
	1956	93,163	16,865	30,884	37,817	4,873	183,602
	1957	99,315	20,170	30,333	41,573	4,503	195,894
	1958(a)	101,165	24,021	30,897	44,095	4,595	204,773
Australian Capital Territory	1954	1,387	964	303	712	55	3,421
	1955	1,354	915	304	600	49	3,222
	1956	1,337	911	311	554	44	3,157
	1957	1,379	832	349	603	50	3,263
	1958(a)	1,306	866	275	614	45	3,106
Australia	1954	2,262,783	995,891	820,638	685,478	112,906	4,877,696
	1955	2,338,658	943,485	847,485	690,012	112,028	4,931,668
	1956	2,393,870	1,009,637	846,204	694,968	114,069	5,058,748
	1957	2,354,301	1,097,149	835,620	716,321	114,759	5,118,150
	1958(a)	2,281,571	1,080,003	851,407	667,836	112,892	4,993,709

(a) Subject to revision.

3. HOLDINGS WITH DAIRY CATTLE : CLASSIFICATION ACCORDING TO SIZE OF HERD : STATES

Special tabulations relating to rural holdings for the year 1955-56, which showed, inter alia, a classification of holdings with dairy cattle according to size of herd were included in a previous issue of this Bulletin (Vol. 20, No.14).

4. ANNUAL PRODUCTION AND UTILIZATION OF WHOLE MILK - AUSTRALIA: Total milk production on farms for all purposes during 1957-58 is estimated at 1,261.1 million gallons. This was lower than output during the previous year by 96.8 million gallons (7.1 per cent.) and 140.9 million gallons (10.0 per cent.) below the record output during 1955-56.

Whole milk production for the six-month period July to December, 1958, at 758.5 million gallons, was 41.2 million gallons (5.7 per cent.) higher than production for the same period of the previous year.

Since 1938-39, when approximately 78 per cent. of Australia's milk supply was used for butter-making, 5 per cent. for cheese manufacture, 3 per cent. for condensery products and 14 per cent. for fluid consumption and other purposes, there has been a considerable decline in the proportion of milk used for butter-making, with corresponding increases in the quantity used for other purposes. With the substantial increase in the production of milk in the three years prior to 1957-58, larger quantities were again available for butter-making, the proportion so used being 69 per cent. in 1955-56, the year of record milk production. Since this record year, however, the proportion of milk used for butter-making has declined again to 65 per cent. in 1957-58. Cheese-making accounted for 6 per cent., condensery products, 6 per cent., and other purposes including fluid consumption, 23 per cent.

Particulars of the production and utilization of whole milk in each of the years 1953-54 to 1957-58 and the six-month periods ended December, 1957 and 1958, are shown in the following table.

TABLE 5 : PRODUCTION AND UTILIZATION OF WHOLE MILK, AUSTRALIA

Period	Total Quantity Produced		Quantity used for -							
			Butter (Factory and Farm)		Cheese (Factory and Farm)		Condensery Products		Other Purposes (a)	
	'000 gallons	%	'000 gallons	%	'000 gallons	%	'000 gallons	%	'000 gallons	%
1953-54	1,189,652	100.0	737,474	62.0	105,870	8.9	75,995	6.4	270,313	22.7
1954-55	1,325,799	100.0	886,652	66.9	93,569	7.4	64,365	4.9	276,213	20.8
1955-56	1,402,012	100.0	962,397	68.6	84,021	6.0	71,324	5.1	284,270	20.3
1956-57	1,357,942	100.0	890,833	65.6	98,233	7.2	78,123	5.8	290,753	21.4
1957-58(b)	1,261,116	100.0	814,204	64.6	75,830	6.0	76,875	6.1	294,207	23.3
July- December, 1957(b)	717,341	100.0	472,942	65.9	49,971	7.0	47,159	6.6	147,269	20.5
1958(b)	758,531	100.0	506,463	66.8	55,504	7.3	46,852	6.2	149,712	19.7

(a) Principally fluid milk for domestic purposes.

(b) Subject to revision.

Graphs illustrating the production and utilization of whole milk for various periods are included inside the covers of this Bulletin.

5. MONTHLY PRODUCTION AND UTILIZATION OF WHOLE MILK - AUSTRALIA: In the table on the following page, particulars are given of the total production of whole milk in Australia in each month and six-month periods from July, 1957 to December, 1958, distinguishing between the quantities used for the manufacture of butter, cheese, products of milk condenseries and the quantity of whole milk consumed for all other purposes.

Figures from July, 1957 are estimates, except in the case of whole milk used in condenseries, particulars of which are as recorded by factories in this industry. 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. The quantity 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 consumed on farms, (except that used for making farm butter and cheese) and quantities used by factories for manufacture of ice cream and confectionery, are included.

TABLE 6 : MONTHLY PRODUCTION AND UTILIZATION OF WHOLE MILK (a) : AUSTRALIA
(000 gallons)

Month	Total Whole Milk Produced	Quantity of Whole Milk used for -			
		Butter (Factory and Farm)	Cheese (Factory and Farm)	Condensery Products	Other Purposes(b)
1957 - July	68,875	36,280	4,411	3,471	24,713
August	89,721	53,356	6,358	5,514	24,493
September	120,782	79,240	9,250	8,251	24,041
October	145,635	99,332	11,225	10,217	24,861
November	152,933	107,547	10,373	10,346	24,667
December	139,395	97,187	8,354	9,360	24,494
Total, July-December	717,341	472,942	49,911	47,159	147,269
1958 - January	120,181	81,873	6,306	7,730	24,272
February	104,896	70,320	4,838	6,065	23,673
March	103,855	68,742	4,392	5,379	25,352
April	81,633	49,840	3,417	4,004	24,372
May	68,990	37,540	3,278	3,322	24,350
June	64,210	32,947	3,628	3,216	24,419
Total, January - June	543,775	341,262	25,859	29,716	146,938
TOTAL YEAR, 1957-58	1,261,116	814,204	75,830	76,875	294,207
1958 - July	71,696	38,147	4,769	3,672	25,108
August	91,656	54,251	6,936	5,435	25,034
September	124,603	82,579	9,541	7,980	24,503
October	156,319	109,208	12,061	9,821	25,229
November	154,159	107,345	11,639	9,979	25,196
December	160,098	114,933	10,558	9,965	24,642
Total, July - December	758,531	506,463	55,504	46,852	149,712

(a) Subject to revision.

(b) Principally fluid milk for domestic purposes.

6. ANNUAL AND MONTHLY PRODUCTION OF WHOLE MILK - STATES: In the following table particulars of production of whole milk for all purposes are given by States for the years 1953-54 to 1957-58. Monthly and six-monthly totals from July, 1957 to December 1958 are also shown.

Victoria is the principal milk-producing State, and in 1957-58 the output from that State, 565.8 million gallons, represented 44.9 per cent. of total production. Output from New South Wales was 289.4 million gallons or 22.9 per cent. of the total, and that of Queensland 207.7 million gallons (16.5 per cent.). Production in the remaining States accounted for 15.7 per cent. of the total Australian output.

Whole milk production in 1957-58 was lower than in the previous year in all States except Tasmania. In Queensland production decreased by 44.6 million gallons (17.7 per cent.), in South Australia by 10.7 million gallons (12.0 per cent.), in Western Australia by 3.5 million gallons (6.1 per cent.), in New South Wales by 16.9 million gallons (5.5 per cent.) and in Victoria by 21.4 million gallons (3.6 per cent.). Production increased in Tasmania by 0.4 million gallons (0.6 per cent.).

Production during the six-months period ended December, 1958, at 758.5 million gallons was 5.7 per cent. higher than in the corresponding period of 1957 when 717.3 million gallons were produced. Output increased in Queensland (30.9 per cent.), New South Wales (16.6 per cent.) and in South Australia (2.0 per cent.). Decreases were recorded in Western Australia (5.9 per cent.), Tasmania (3.6 per cent.) and in Victoria (2.0 per cent.).

TABLE 7 : TOTAL PRODUCTION OF WHOLE MILK : STATES
('000 gallons)

Period	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Aust. Cap. Terr.	Australia
1953-54	232,187	474,358	249,712	85,014	49,996	47,642	743	1,189,652
1954-55	315,719	536,835	275,605	90,699	54,194	52,022	725	1,325,799
1955-56	333,942	577,475	232,296	90,342	55,668	61,405	834	1,402,012
1956-57	306,298	587,199	252,336	89,832	57,008	64,262	957	1,357,942
1957-58 (a)	239,412	565,827	207,707	79,141	53,521	64,655	853	1,261,116
1957(a) - July	17,633	25,654	11,174	6,646	5,678	1,985	55	68,875
August	18,421	41,079	12,851	7,646	6,219	3,440	65	89,721
September	22,826	60,171	15,663	9,957	6,666	6,415	84	120,782
October	26,683	77,043	15,355	10,340	7,267	8,855	92	145,635
November	23,528	80,769	18,222	9,401	6,404	9,520	89	152,933
December	24,375	75,140	17,151	7,712	4,920	9,418	79	139,395
Total, July-December	139,116	359,356	90,416	50,702	37,154	39,633	464	717,341
1958(a) - January	26,674	59,883	16,244	6,157	3,378	7,772	73	120,181
February	27,844	42,578	22,441	4,424	2,209	5,334	66	104,896
March	29,353	37,286	26,594	3,868	2,008	4,689	67	103,865
April	24,714	26,813	20,866	3,806	2,012	3,362	60	81,633
May	21,872	20,617	16,790	4,567	2,851	2,235	58	68,990
June	19,339	18,794	14,356	5,617	3,909	1,630	65	54,210
Total, January-June	150,296	205,971	117,291	28,439	16,367	25,022	389	543,775
TOTAL YEAR, 1957-58	289,412	565,827	207,707	79,141	53,521	64,655	853	1,261,116
1958(a) - July	19,615	23,591	15,316	6,289	4,928	1,892	65	71,696
August	20,968	38,054	16,321	7,586	5,393	3,258	76	91,656
September	25,392	57,898	19,829	9,060	6,263	6,074	87	124,603
October	31,390	76,716	22,181	10,562	6,895	8,473	102	156,319
November	30,911	78,934	19,527	9,709	6,127	8,854	97	154,159
December	33,913	77,432	25,160	8,497	5,349	9,659	88	160,098
Total, July-December	162,189	352,625	118,334	51,703	34,955	38,210	515	758,531

(a) Subject to revision.

7. AVERAGE ANNUAL PRODUCTION PER COW - STATES: The annual quantity of milk produced per dairy cow reaches as high as 1,000 gallons, varying greatly with breed, locality and season. The average annual yields per cow, shown in the table below for the years 1953-54 to 1957-58 are based on the number of dairy cows which were in milk at any time during the year. The average is, therefore, below that for cows which were yielding during the greater part of the year.

It should be noted that, in addition to the difficulty of ascertaining with reasonable accuracy the average number of cows in milk during any year, there are many further difficulties attending the collection of particulars of the total quantity of milk obtained during the same period. The average yield per cow shown hereunder may, however, be accepted as sufficiently reliable to show the general trend.

TABLE 8 : AVERAGE ANNUAL PRODUCTION OF MILK PER COW : STATES
(Gallons)

Year	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Aust. Cap. Terr.	Australia
1953-54	311	490	270	531	373	480	332	372
1954-55	345	533	294	543	403	485	314	405
1955-56	355	551	301	538	414	554	391	419
1956-57	314	538	267	541	424	560	424	396
1957-58(a)	302	505	229	479	398	529	385	370

(a) Subject to revision.

9. MILKING MACHINES ON RURAL HOLDINGS - STATES: The following table shows particulars of the number of milking stands (units) on rural holdings for each State and the Australian Capital Territory, as at 31st March in the years 1954 to 1958.

TABLE 9 : MILKING MACHINES ON RURAL HOLDINGS : NUMBER OF STANDS (a)

Year	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Aust. Capital Terr.	Australia
1954	39,917	70,845	47,324	13,534	10,338	7,515	69	139,542
1955	40,673	74,513	48,057	14,833	10,543	8,181	77	196,877
1956	42,359	77,602	48,833	16,090	10,587	8,692	85	204,298
1957	43,111	81,729	48,967	16,740	10,598	9,432	87	210,664
1958(b)	43,887	83,819	48,072	17,206	10,673	9,969	90	213,716

(a) The number of stands indicates the number of cows that can be milked simultaneously, i.e. the cow capacity of installed milking machines. (b) Subject to revision.

BUTTER

9. ANNUAL PRODUCTION OF BUTTER - AUSTRALIA: The factory production of butter at 172,600 tons in 1957-58, was 17,200 tons (9.1 per cent.) below production in the previous year and 33,100 tons (16.1 per cent.) below the record production in 1955-56. All States except Tasmania showed decreases in 1957-58, the most substantial being in Queensland, where production fell by 8,800 tons (21.5 per cent.).

After taking into account the amount of butter produced on farms, the total (factory and farm) production of 175,800 tons in 1957-58 was 36,200 tons (17.1 per cent.) below the record total production in 1939-40.

Production of factory butter for the six-month period July to December, 1958, totalled 107,500 tons. This represented an increase of 7,000 tons (7.0 per cent.) on production during the corresponding period of the previous year.

The following table shows the production of butter in factories for each State and the grand total in factories and on farms for Australia, for the years 1953-54 to 1957-58 and the six-month periods ended December, 1957 and 1958.

TABLE 10 : PRODUCTION OF BUTTER
(Tons of 2,240 lb.)

Period	Factory Production							Grand Total Factory and Farm
	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia	
1953-54	29,713	63,616	41,797	7,586	6,142	7,263	156,117	159,585
1954-55	38,638	79,418	45,915	8,510	7,145	8,334	188,010	191,078
1955-56	41,066	90,608	48,189	8,562	7,404	9,962	205,791	208,911
1956-57	33,826	88,598	41,089	8,440	7,462	10,426	189,841	192,854
1957-58(a)	29,940	86,179	32,261	6,898	6,747	10,622	172,647	175,771
July-December, 1957 (a)	13,763	56,751	13,246	4,636	5,397	6,717	100,510	102,072
1958 (a)	17,973	55,510	18,258	4,585	4,713	6,463	107,502	109,010

(a) Subject to revision.

10. MONTHLY FACTORY PRODUCTION OF BUTTER - AUSTRALIA: Output of factory butter in 1957-58 was generally below the output in 1956-57, production for each month being lower than in the corresponding month of 1956-57, except for March, May and June. Decreases compared with the corresponding months in 1956-57 were large for the months of October, December and January.

In the period July to December, 1958, all monthly figures except that for November showed increases in production over the same period of the previous year, individual monthly increases being greatest in October and December.

In the table on the opposite page, monthly and annual figures for factory production of butter are shown for each State for the years ended June, 1955 to 1958 and the six months ended December, 1958.

TABLE 11. MONTHLY FACTORY PRODUCTION OF BUTTER, STATES
(Tons of 2,240 lb.)

State	Year	July	August	Sept.	Oct.	Nov.	Dec.	Total year	Jan.	Feb.	March	April	May	June	Total year
New South Wales	1954-55	1,077	1,540	2,409	3,587	4,802	5,287	18,702	4,569	4,459	4,316	3,050	2,098	1,494	38,683
	1955-56	1,474	2,015	2,876	4,296	4,919	5,243	20,823	5,537	4,558	3,781	2,756	1,999	1,512	41,066
	1956-57	1,384	1,890	2,299	3,654	3,762	3,847	16,836	3,957	3,463	3,586	2,625	2,014	1,345	33,826
	1957-58(a)	1,264	1,416	2,250	2,913	3,309	2,611	17,973	2,967	3,274	3,494	2,685	2,074	1,683	29,940
	1958-59(a)	1,568	1,808	2,711	3,803	3,682	4,401	17,973	8,348	5,977	5,858	4,247	3,095	2,343	79,418
Victoria	1954-55	2,508	5,040	8,033	10,973	11,846	11,150	49,550	8,348	7,729	5,725	4,748	3,891	3,017	90,608
	1955-56	3,016	6,051	9,135	12,335	12,752	11,997	55,286	10,212	7,729	5,725	4,748	3,891	3,017	90,608
	1956-57	3,998	6,826	9,351	12,870	13,075	12,395	58,515	9,807	6,420	5,136	3,927	2,726	2,067	83,598
	1957-58(a)	3,221	5,981	9,396	12,433	13,325	12,395	56,751	9,663	6,524	5,445	3,510	2,311	1,975	86,179
	1958-59(a)	2,786	5,365	9,041	12,559	12,940	12,819	55,510	4,736	4,834	5,185	4,120	3,143	2,487	45,915
Queensland	1954-55	1,842	2,288	3,083	3,911	4,938	5,348	21,410	4,736	4,834	5,185	4,120	3,143	2,487	45,915
	1955-56	2,432	2,989	3,350	4,262	5,009	4,945	22,987	5,816	6,048	4,999	3,599	2,620	2,120	48,189
	1956-57	2,141	2,690	2,772	3,832	3,921	4,698	20,054	5,987	4,907	4,166	2,845	1,881	1,249	41,089
	1957-58(a)	1,448	1,736	2,290	2,222	2,859	2,691	13,246	2,515	3,771	4,573	3,454	2,591	2,111	32,261
	1958-59(a)	2,209	2,371	3,055	3,501	2,993	4,129	18,258	585	447	488	401	437	638	8,510
South Australia	1954-55	867	1,002	1,002	1,045	1,001	838	5,464	604	448	357	341	508	647	8,562
	1955-56	721	950	1,040	1,088	1,027	831	5,677	615	397	345	342	427	495	8,440
	1956-57	759	989	933	1,206	1,070	802	5,819	541	334	273	272	353	459	6,898
	1957-58(a)	614	710	820	965	844	683	4,636	541	334	273	272	353	459	6,898
	1958-59(a)	540	684	834	975	825	727	4,585	384	150	146	144	348	545	7,145
Western Australia	1954-55	656	829	1,022	1,123	1,030	768	5,428	494	178	100	126	346	575	7,404
	1955-56	711	883	975	1,107	1,055	854	5,585	494	178	100	126	346	575	7,404
	1956-57	764	930	1,009	1,192	1,021	788	5,704	441	161	82	122	358	594	7,462
	1957-58(a)	820	926	1,007	1,089	917	638	5,397	337	133	74	90	255	461	6,847
	1958-59(a)	647	712	860	949	845	700	4,713	1,059	731	665	396	264	120	8,334
Tasmania	1954-55	123	339	739	1,180	1,394	1,324	5,099	1,256	975	925	759	481	198	9,962
	1955-56	125	389	821	1,223	1,404	1,406	5,368	1,359	984	843	662	321	149	10,426
	1956-57	196	450	870	1,453	1,582	1,557	6,108	1,362	891	752	498	262	140	10,622
	1957-58(a)	202	488	1,088	1,559	1,699	1,681	6,717	1,362	891	752	498	262	140	10,622
	1958-59(a)	184	469	1,028	1,490	1,561	1,731	6,463	19,681	16,598	16,658	12,358	9,435	7,627	138,010
AUSTRALIA†	1954-55	6,917	10,903	16,288	21,819	25,011	24,715	105,653	23,919	20,036	15,887	12,329	9,845	8,069	205,791
	1955-56	8,479	13,277	18,197	24,311	26,166	25,276	115,706	22,166	16,332	14,158	10,523	7,727	5,899	189,841
	1956-57	9,242	13,775	24,207	24,087	24,431	24,087	115,706	17,385	14,927	14,611	10,509	7,846	6,859	172,647
	1957-58(a)	7,569	11,257	16,841	21,181	22,963	20,699	100,510	17,385	14,927	14,611	10,509	7,846	6,859	172,647
	1958-59(a)	7,934	11,409	17,529	23,277	22,846	24,507	107,502							

(a) Subject to revision.

11. OVERSEA EXPORTS OF BUTTER: In the following table, particulars are given of the quantity of butter exported from Australia during the years 1955-56 to 1957-58 and the six-month periods ended December, 1957 and 1958, according to country of destination.

Total exports of butter during 1957-58 amounted to 52,030 tons, compared with 77,549 tons in 1956-57 and the record shipment of 118,000 tons in 1939-40. The quantity exported to the United Kingdom in 1957-58 comprised 80 per cent. of the total exported, as compared with 95 per cent. in 1938-39 and 81 per cent. in 1956-57.

Total shipments for the period July to December, 1958 amounted to 40,906 tons (exports to the United Kingdom being 87 per cent. of the total) compared with 29,886 tons (exports to the United Kingdom being 85 per cent. of the total) for the corresponding period of the previous year.

TABLE 12 : EXPORTS OF BUTTER (a) TO VARIOUS COUNTRIES : AUSTRALIA
(Tons of 2,240 lb.)

Country of Consignment	1955-56	1956-57	1957-58	July to December	
				1957	1958 (b)
United Kingdom	72,421	62,703	41,586	25,301	35,746
Australian Territories	260	231	255	129	200
Ceylon	973	1,083	1,123	477	617
Cyprus	157	160	133	83	47
Guiana (British)	213	149	136	27	77
Hong Kong	773	699	753	318	397
India	254	199	23	16	5
Malaya, Federation of	642	772	1,409	635	840
Malta	265	118	83	75	40
Mauritius	143	241	267	135	196
Singapore	1,692	2,109	1,363	556	619
West Africa (British)	116	115	27	17	17
West Indies, Federation of	323	414	274	120	92
Other Commonwealth Countries	276	329	478	264	231
TOTAL COMMONWEALTH COUNTRIES:	78,508	69,322	47,910	28,153	39,124
Arabian States	231	373	307	152	310
Burma	91	228	76	70	75
Egypt	207	17	12	-	23
France	539	15	12	11	-
French Dependencies	351	362	433	214	260
Germany, Fed. Rep. of	1,459	3,150	1,767	299	99
Indonesia	38	62	67	67	-
Italy	1,048	2,381	50	50	310
Japan	117	120	36	23	18
Netherlands Antilles	163	117	103	47	56
Philippines	290	784	393	285	102
Other Foreign Countries	301	618	864	515	529
TOTAL FOREIGN COUNTRIES:	4,835	8,227	4,120	1,733	1,782
GRAND TOTAL:	83,343	77,549	52,030	29,886	40,906

(a) Includes ghee, concentrated butter etc., expressed as butter, but excludes Ships' Stores. (b) Subject to revision.

12. 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 1954-55 to 1957-58, will be found on page 10 of the last full issue of this Bulletin (Volume 21, No. 7) released on 28th October, 1958.

13. PRODUCTION, EXPORTS AND CONSUMPTION OF BUTTER - AUSTRALIA: Details of production, exports and consumption of butter for Australia for the years 1953-54 to 1957-58 and the six-month periods ended December, 1957 and 1958, are shown in the following table:-

TABLE 13 : PRODUCTION, EXPORTS AND CONSUMPTION OF BUTTER - AUSTRALIA

Period	Changes in Stock (a)	Production (Factory and Farm)	Exports (b)		Available for Consumption in Australia	
			Quantity	Proportion of Production	Quantity	Per Head
	Tons	Tons	Tons	%	Tons	lb.
1953-54	(-) 2,963	159,585	40,913	25.6	121,635	30.6
1954-55	(+) 4,923	191,078	63,698	33.3	122,457	30.2
1955-56	(+) 4,734	208,911	83,785	40.1	120,392	29.0
1956-57	(-) 4,349	192,854	77,835	40.4	119,368	28.0
1957-58(c)	(+) 2,579	175,771	52,163	29.7	121,029	27.8
July-December, 1957 (c)	(+) 12,764	102,072	30,175	26.3	59,133	13.7
1958 (c)	(+) 11,851	109,010	40,989	37.6	56,170	12.7

(a) Includes allowance for imports and for movements in stocks, other than those held in main cold stores. (b) Includes ghee, concentrated butter etc., expressed as butter as well as butter shipped as Ships' Stores. (c) Subject to revision.

14. STOCKS OF BUTTER HELD IN MAIN COLD STORES - AUSTRALIA: In the following table details of the stocks of butter held in main cold stores are given as at the end of each month from July, 1954 to December, 1958.

TABLE 14 : STOCKS OF BUTTER HELD IN MAIN COLD STORES - AUSTRALIA
(Source : Australian Dairy Produce Board)
(Tons of 2,240 lb.)

End of Month	1954-55	1955-56	1956-57	1957-58	1958-59
July	4,473	5,162	9,073	7,642	7,452
August	3,384	6,196	6,727	5,729	5,987
September	7,517	8,648	9,310	6,587	6,601
October	11,253	9,978	9,881	9,648	9,344
November	19,943	16,459	15,063	13,980	15,106
December	23,329	19,403	18,143	20,641	18,440
January	26,848	25,566	19,704	22,326	
February	23,806	33,166	19,907	24,335	
March	28,906	31,680	22,632	26,386	
April	28,224	25,846	19,729	25,291	
May	21,678	18,831	16,152	20,929	
June	11,710	12,918	12,039	13,661	

CHEESE

15. ANNUAL PRODUCTION OF CHEESE - AUSTRALIA: Total production of cheese in 1957-58, at 34,900 tons, was 10,300 tons (22.8 per cent.) lower than in the previous year and 14,200 tons (28.9 per cent.) lower than the record production of 49,100 tons achieved in 1953-54. All States except New South Wales showed decreases in factory production, the most substantial being in Victoria, where production fell by 6,700 tons (32.8 per cent.).

Factory production of cheese for the six-month period July to December, 1958 totalled 25,657 tons compared with 23,029 tons for the corresponding period of the previous year, representing an increase of 2,628 tons (11.4 per cent.).

Table 15 on the following page shows production of cheese in factories for each State and the grand total in factories and on farms for Australia in the years 1953-54 to 1957-58, and the totals for the six-month periods ended December, 1957 and 1958.

TABLE 15 : PRODUCTION OF CHEESE
(Tons of 2,240 lb.)

Period	Factory Production							Grand Total Factory and Farm
	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia	
1953-54	3,210	25,977	6,746	11,612	1,205	293	49,043	49,057
1954-55	2,508	20,290	7,921	13,101	1,083	275	45,178	45,193
1955-56	3,379	13,996	7,579	12,633	763	331	38,681	38,700
1956-57	4,019	20,542	7,137	11,958	1,182	333	45,171	45,216
1957-58(a)	4,042	13,805	5,150	10,493	1,047	326	34,863	34,890
July-December, 1957 (a)	1,977	9,368	2,591	8,107	791	195	23,029	23,042
1958 (a)	2,584	9,957	3,866	8,254	801	195	25,657	25,679

(a) Subject to revision.

16. MONTHLY FACTORY PRODUCTION OF CHEESE - AUSTRALIA: During 1957-58, factory production of cheese was generally lower in each month compared with the previous year and in December, 1957, production was 34% less than in December, 1956. This trend was reversed from June, 1958, onwards and in December, 1958, production was 27% higher than in December, 1957.

Monthly and annual details of production of cheese in factories in the various States during each of the years ended June, 1955 to 1958 and the six-months ended December, 1958, are given in Table 17 on the opposite page.

17. OVERSEA EXPORTS OF CHEESE: In the table below, details are given of the quantity of cheese exported from Australia during the years 1955-56 to 1957-58 and the six-month periods ended December, 1957 and 1958.

The quantity of cheese exported during 1957-58, 9,230 tons, was very considerably (8,299 tons or 47 per cent.) below that exported in 1956-57, and 16,791 tons (65 per cent.) lower than in 1948-49, the year of record exports. The United Kingdom received 63 per cent. of Australia's exports in 1957-58, compared with 79 per cent. in the previous year. Total exports for the six-month period July to December, 1958, were 4,945 tons, compared with 5,465 tons for the corresponding period of the previous year, a decrease of 9.5 per cent.

TABLE 16 : EXPORTS OF CHEESE (a) TO VARIOUS COUNTRIES : AUSTRALIA
(Tons of 2,240 lb.)

Country of Consignment	1955-56	1956-57	1957-58	July to December		
				1957	1958 (b)	
					Processed	Other
United Kingdom	13,630	13,934	5,793	3,830	31	3,910
Ceylon	146	138	158	52	103	3
Hong Kong	172	138	107	38	72	9
India	266	313	59	31	21	1
Malaya, Federation of	52	46	65	11	23	8
Malta	66	75	11	25	-	-
Singapore	422	335	252	138	100	25
West Indies, Federation of	58	33	132	28	27	-
Other Commonwealth Countries	316	256	305	165	84	22
<u>TOTAL COMMONWEALTH COUNTRIES:</u>	15,128	15,268	6,882	4,318	461	3,978
Arabian States	444	570	774	329	237	26
Egypt	87	1	2	-	3	3
French Dependencies	53	72	53	21	18	19
Indonesia	60	152	48	48	-	-
Iraq	206	170	280	102	39	-
Japan	239	70	35	18	17	35
Philippines	549	870	459	442	49	-
Other Foreign Countries	415	356	697	187	58	2
<u>TOTAL FOREIGN COUNTRIES:</u>	2,053	2,261	2,348	1,147	421	85
<u>GRAND TOTAL:</u>	17,181	17,529	9,230	5,465	882	4,063

(a) Excluding Ships' Stores. (b) Subject to revision.

TABLE 17 : MONTHLY FACTORY PRODUCTION OF CHEESE : STATES
(Tons of 2,240 lb.)

State	Year	July	August	Sept.	Oct.	Nov.	Dec.	Total 1-year	Jan.	Feb.	March	April	May	June	Total Year
New South Wales	1954-55	66	113	192	250	323	354	1,298	244	244	263	217	137	105	2,508
	1955-56	118	168	242	336	380	377	1,621	430	365	364	281	168	150	3,379
	1956-57	173	194	274	408	494	492	2,035	425	370	405	310	267	207	4,019
	1957-58(a)	202	212	314	442	458	349	1,977	356	390	433	349	278	259	4,042
	1958-59(a)	291	317	415	538	531	492	2,584							
Victoria	1954-55	802	1,429	2,392	3,182	3,281	3,007	14,093	2,077	1,304	1,138	798	515	365	20,290
	1955-56	487	940	1,545	1,995	2,029	1,756	8,752	1,297	865	1,019	906	668	439	13,996
	1956-57	736	1,352	2,167	3,113	3,165	2,970	13,503	2,109	1,453	1,410	996	609	452	20,542
	1957-58(a)	623	1,050	1,692	2,171	2,015	1,817	9,368	1,343	909	737	560	454	434	13,805
	1958-59(a)	631	1,130	1,667	2,222	2,253	2,054	9,957							
Queensland	1954-55	376	570	800	877	897	917	4,437	775	635	635	547	439	453	7,921
	1955-56	521	659	769	857	837	798	4,441	820	739	606	384	282	307	7,579
	1956-57	381	622	743	828	715	728	4,017	995	741	604	339	226	215	7,137
	1957-58(a)	291	448	571	486	440	355	2,591	329	475	613	448	383	311	5,150
	1958-59(a)	456	563	687	761	640	759	3,866							
South Australia	1954-55	1,040	1,449	1,860	2,140	1,966	1,469	9,924	923	507	389	228	449	681	13,101
	1955-56	992	1,330	1,730	2,021	1,842	1,303	9,418	1,044	492	269	212	483	715	12,633
	1956-57	994	1,291	1,655	1,975	1,824	1,412	9,151	890	425	230	210	454	598	11,958
	1957-58(a)	818	1,097	1,520	1,842	1,651	1,179	8,107	756	374	164	161	345	586	10,493
	1958-59(a)	733	1,055	1,463	1,847	1,762	1,394	8,254							
Western Australia	1954-55	145	183	162	170	141	105	906	34	9	7	20	49	58	1,083
	1955-56	52	65	87	117	116	85	522	51	16	29	47	47	51	763
	1956-57	78	121	161	200	175	143	878	100	52	40	25	32	55	1,182
	1957-58(a)	86	111	149	193	161	91	791	71	44	35	19	21	66	1,047
	1958-59(a)	76	116	152	174	155	128	801							
Tasmania	1954-55	-	10	16	38	52	58	174	43	30	22	6	-	-	275
	1955-56	-	-	3	34	50	60	147	55	44	34	30	18	3	331
	1956-57	4	7	13	46	54	55	179	48	37	32	22	13	2	333
	1957-58(a)	3	7	22	45	58	60	195	43	25	22	20	14	2	326
	1958-59(a)	2	22	23	38	52	58	195							
COMMONWEALTH TOTAL:		2,429	3,754	5,422	6,557	6,660	5,910	30,832	4,096	2,729	2,454	1,816	1,589	1,662	45,178
1955-56		2,170	3,162	4,376	5,360	5,254	4,579	24,901	3,697	2,521	2,321	1,860	1,666	1,715	38,681
1956-57		2,366	3,587	5,013	6,570	6,427	5,800	29,763	4,567	3,078	2,721	1,902	1,601	1,539	45,171
1957-58(a)		2,023	2,925	4,268	5,179	4,783	3,851	23,029	2,903	2,217	2,004	1,557	1,495	1,658	34,863
1958-59(a)		2,189	3,203	4,407	5,580	5,393	4,885	25,658							

(a) Subject to revision.

18. BULK CHEESE GRADED FOR EXPORT: As with butter, cheese exported comes under the provisions of the Exports (Dairy Produce) Regulations and is graded according to quality in a similar manner to butter.

Particulars of the quantities and relative proportions of bulk cheese graded for export, according to quality for the years 1954-55 to 1957-58 will be found on page 14 of the last full issue of this Bulletin (Volume 21, No. 7) released on 28th October, 1958.

19. PRODUCTION, EXPORTS AND CONSUMPTION OF CHEESE - AUSTRALIA: Details of the production, exports and consumption of cheese for Australia for the years 1953-54 to 1957-58 and the six-month periods ended December, 1957 and 1958, are shown in the following table.

TABLE 18 : PRODUCTION, EXPORTS AND CONSUMPTION OF CHEESE - AUSTRALIA

Period	Changes in Stocks (a)	Production (Factory and Farm)	Exports (b)		Available for Consumption in Australia	
			Quantity	Proportion of Production	Quantity	Per Head
	Tons	Tons	Tons	%	Tons	lb.
1953-54	(+) 2,296	49,057	22,830	46.5	23,931	6.0
1954-55	(-) 2,435	45,193	22,209	49.1	25,419	6.2
1955-56	(-) 2,473	38,700	17,289	44.7	23,884	5.7
1956-57	(+) 5,172	45,216	17,575	38.9	22,469	5.3
1957-58(c)	(-) 2,215	34,890	9,260	26.6	27,845	6.4
July-December, 1957 (c)	(+) 4,408	23,042	5,478	18.4	13,156	3.0
1958 (c)	(+) 9,869	25,679	4,950	19.3	10,860	2.5

(a) Includes allowance for imports and for movements in stocks other than those held in main cold stores. (b) Includes Ships' Stores. (c) Subject to revision.

20. STOCKS OF CHEESE HELD IN MAIN COLD STORES - AUSTRALIA: In the following table details of the stocks of cheese held in the main cold stores are given as at the end of each month from July, 1954 to December, 1958.

TABLE 19 : STOCKS OF CHEESE HELD IN MAIN COLD STORES : AUSTRALIA

(Source : Australian Dairy Produce Board)
(Tons of 2,240 lb.)

End of Month	1954-55	1955-56	1956-57	1957-58	1958-59
July	1,825	1,951	1,089	1,839	1,371
August	2,384	1,669	1,536	1,957	1,981
September	3,368	3,116	2,148	2,093	2,337
October	4,610	2,641	2,951	2,653	3,032
November	5,564	3,928	3,776	2,795	3,984
December	5,528	3,700	4,358	2,829	5,238
January	6,113	3,867	4,181	2,767	
February	3,234	4,687	1,892	2,148	
March	3,796	4,930	1,662	1,928	
April	3,867	2,374	1,544	1,878	
May	2,567	1,492	1,379	1,762	
June	1,887	999	1,405	1,709	

PRESERVED MILK PRODUCTION

21. ANNUAL PRODUCTION OF PRESERVED MILK PRODUCTS - AUSTRALIA: In addition to the production of butter and cheese, considerable quantities of whole milk are used in the production of preserved milk products. In 1938-39, 33.4 million gallons (2.8 per cent. of the total production) were used in this way, but by 1957-58 this had increased to 76.9 million gallons (6.1 per cent. of the total production). The 76.9 million gallons used in 1957-58 was however, 1.2 million gallons (1.6 per cent.) less than the quantity used in the previous year.

Of the full cream milk products, the production of condensed full cream sweetened milk showed a fairly substantial decrease (2,700 tons or 6.8 per cent.) in 1957-58 compared with the previous year. This was more than offset by increases in production of condensed full cream unsweetened milk (1,600 tons or 5.6 per cent.), infants' and invalids' foods (400 tons or 2.7 per cent.) and powdered full cream milk (200 tons or 1.3 per cent.). Of the milk by-products, considerable increases occurred in the production of condensed skim and buttermilk (1,600 tons or 34.0 per cent.) and casein (2,600 tons or 33.9 per cent.). Production of powdered skim milk, however, decreased by 6,500 tons or 21.3 per cent.

The production of full cream milk products, based on the intake of whole milk, showed a very slight decrease in the six-months period ended December, 1958, compared with the same period in 1957. A substantial decrease in production of condensed full cream sweetened milk (4,200 tons or 17.4 per cent.) outweighed increases in production of powdered full cream milk (1,000 tons or 9.4 per cent.) and condensed full cream unsweetened milk (800 tons or 4.3 per cent.).

Increases in the production of condensed skim and buttermilk (500 tons or 20.2 per cent.), powdered skim milk (3,000 tons or 17.0 per cent.) and casein (300 tons or 4.7 per cent.) were recorded over the same period.

Particulars of the production of full cream milk products and the quantity of milk used in their manufacture, for the years 1953-54 to 1957-58 and the six-month periods ended December, 1957 and 1958, are given in the following table. Particulars of the several milk by-products for these periods are also included.

TABLE 20 : PRODUCTION OF CONDENSED, POWDERED, ETC. MILK
PRODUCTS : AUSTRALIA

Period	Full Cream Milk Products				Total Whole Milk Equivalent of Full Cream Milk Products	Milk By-Products			
	Condensed, Concentrated and Evaporated Full Cream Milk (a)		Powdered Full Cream Milk	Infants' and Invalids' Foods (c)		Condensed, Concentrated and Evaporated Skim and Butter-milk	Powdered Skim Milk	Powdered Butter-milk and Whey (d)	Casein
	Sweet-ened (b)	Unsweet-ened							
	Tons	Tons	Tons	Tons	'000 gals.	Tons	Tons	Tons	Tons
1953-54	36,074	25,776	18,905	11,739	75,995	1,042	19,804	5,358	3,827
1954-55	30,520	18,045	15,539	10,921	64,365	6,053	24,618	5,086	6,870
1955-56	35,065	25,561	17,211	12,861	71,324	3,866	30,893	4,990	9,367
1956-57	39,980	28,221	17,864	13,567	78,123	4,731	30,567	5,551	7,730
1957-58(e)	37,248	29,793	18,090	13,937	76,875	6,339	24,049	5,514	10,353
July-December, 1957 (e)	24,240	17,556	10,456	7,821	47,159	2,672	17,431	3,554	6,714
1958 (e)	20,035	18,318	11,443	7,817	46,852	3,213	20,395	3,500	7,032

(a) Includes (i) mixtures of Full Cream and Skim Milk and (ii) mixtures of Full Cream, Skim and Buttermilk. (b) Includes "Coffee and Milk". (c) Includes Malted Milk and Milk Sugar (Lactose). (d) Includes Powdered Mixed Skim and Buttermilk. (e) Subject to revision.

22. MONTHLY PRODUCTION OF PRESERVED MILK PRODUCTS - AUSTRALIA: The following table shows particulars of monthly, half-yearly and annual production of condensed, concentrated and evaporated full cream milk, powdered full cream milk and infants' and invalids' foods, together with the quantity of whole milk used in their manufacture, for the period July, 1957 to December, 1958. Particulars of the various milk by-products are also included.

TABLE 21 : MONTHLY PRODUCTION OF CONDENSED, POWDERED, ETC., MILK PRODUCTS, AUSTRALIA

Period	Full Cream Milk Products					Milk By-Products			
	Condensed, Concentrated and Evaporated Full Cream Milk (a)		Powdered Full Cream Milk	Infants' and Invalids' Foods (c)	Total Whole Milk Equivalent of Full Cream Milk Products	Condensed, Concentrated and Evaporated Skim and Butter-milk	Powdered Skim Milk	Powdered Butter-milk and Whey (d)	Casein
	Sweetened (b)	Unsweetened							
1957 (e) -	Tons	Tons	Tons	Tons	'000 gals.	Tons	Tons	Tons	Tons
July	1,473	1,235	758	1,272	3,471	99	1,008	301	263
August	2,697	1,830	1,208	1,358	5,514	139	1,915	415	573
September	3,924	2,710	1,930	1,326	8,251	240	3,371	613	1,011
October	5,579	3,804	2,284	1,377	10,217	727	4,195	768	1,512
November	5,784	3,995	2,232	1,376	10,346	944	3,894	771	1,711
December	4,783	3,982	2,044	1,112	9,360	523	3,048	686	1,544
TOTAL:									
July-Dec.	24,240	17,556	10,456	7,821	47,159	2,672	17,431	3,554	6,714
1958 (e) -									
January	3,619	2,722	1,881	883	7,730	767	1,998	534	1,210
February	2,918	2,197	1,643	917	6,065	890	1,454	409	814
March	2,586	2,339	1,320	1,152	5,379	854	1,276	359	696
April	1,774	1,999	988	1,008	4,004	749	800	273	422
May	1,059	1,753	910	1,074	3,322	253	516	199	288
June	1,052	1,227	892	1,082	3,216	154	574	186	209
TOTAL:									
Jan-June:	13,008	12,237	7,634	6,116	29,716	3,667	6,618	1,960	3,639
TOTAL: YEAR									
1957-58	37,248	29,793	18,090	13,937	76,375	6,339	24,049	5,514	10,353
1958 (e) -									
July	1,103	1,250	1,013	1,197	3,672	246	936	288	276
August	1,802	1,931	1,425	1,244	5,435	159	1,538	396	704
September	2,832	3,117	1,950	1,276	7,980	421	3,029	607	1,184
October	5,133	3,855	2,182	1,462	9,821	914	4,784	748	1,678
November	4,692	4,132	2,338	1,356	9,979	956	5,012	679	1,679
December	4,473	4,033	2,535	1,282	9,965	517	5,096	782	1,511
TOTAL:									
July-Dec.	20,035	18,318	11,443	7,817	46,852	3,213	20,395	3,500	7,032

(a) Includes (i) mixtures of Full Cream and Skim Milk and (ii) mixtures of Full Cream, Skim and Buttermilk. (b) Includes "Coffee and Milk". (c) Includes Malted Milk and Milk Sugar (Lactose). (d) Includes Powdered Mixed Skim and Buttermilk. (e) Subject to revision.

23. OVERSEA EXPORTS OF PRESERVED MILK PRODUCTS - AUSTRALIA: The following table shows particulars of the oversea exports of Preserved Milk Products during the years 1953-54 to 1957-58 and the six-month periods ended December, 1957 and 1958.

TABLE 22 : OVERSEA EXPORTS OF PRESERVED MILK PRODUCTS (a) : AUSTRALIA

(Tons of 2,240 lb.)

Period	Preserved, Condensed, Concentrated, etc.		Dried or in Powdered Form				
	Sweetened Full Cream	Unsweetened	Full Cream	Skim	Infants' and Invalids' Foods		Malted Milk
					Essentially of Milk	Other	
1953-54	25,363	1,537	8,143	15,563	2,637	1,949	1,724
1954-55	19,088	801	6,547	18,211	1,199	2,353	2,357
1955-56	23,371	1,603	6,754	22,680	1,603	2,845	2,459
1956-57	28,230	1,309	6,816	20,276	3,295	3,235	2,718
1957-58	30,355	852	6,205	13,301	3,664	2,852	2,385
July-December, 1957	12,757	415	3,039	7,748	2,266	1,355	1,234
1958 (b)	15,926	1,323	3,685	10,704	1,633	1,203	1,349

(a) Excludes Ships' Stores.

(b) Subject to revision.

24. PRODUCTION, EXPORTS AND CONSUMPTION OF CONDENSED, POWDERED ETC. MILK PRODUCTS - AUSTRALIA: The following table furnishes details of the production, exports and quantity available for consumption in Australia, of the major condensery products for the years 1953-54 to 1957-58.

TABLE 23 : PRODUCTION, EXPORTS AND CONSUMPTION OF CONDENSED, POWDERED, ETC. MILK PRODUCTS : AUSTRALIA

Period	Net Change in Factory Stock (a)	Production	Exports (b)		Available for Consumption in Australia	
			Quantity	Proportion of Production	Quantity	Per Head
	Tons	Tons	Tons	%	Tons	lb.
<u>CONDENSED, CONCENTRATED AND EVAPORATED MILK (c)</u>						
1953-54	(d) (-) 1,027	62,892	27,709	44.1	36,210	9.1
1954-55	(d) (+) 1,325	54,618	20,370	37.3	32,923	8.1
1955-56	(d) (+) 911	64,492	25,274	39.2	38,307	9.2
1956-57	(d) (+) 1,259	72,932	29,721	40.8	41,952	9.9
1957-58(e)	(d) (+) 16	73,380	31,382	42.8	41,982	9.6
<u>POWDERED MILK (c)</u>						
1953-54	(+) 1,032	44,067	23,603	53.6	19,432	4.9
1954-55	(+) 866	45,243	24,758	54.7	19,619	4.8
1955-56	(-) 681	53,094	29,434	55.4	24,341	5.9
1956-57	(-) 2,128	53,982	27,092	50.2	24,762	5.8
1957-58(e)	(+) 1,446	47,653	19,459	40.8	26,743	6.1
<u>INFANTS' AND INVALIDS' FOODS (INCLUDING MALTED MILK) (f)</u>						
1953-54	(-) 1,699	11,739	3,893	33.2	9,545	2.4
1954-55	(-) 547	10,921	3,556	32.6	7,912	1.9
1955-56	(-) 1,819	12,861	4,062	31.6	10,618	2.6
1956-57	(-) 1,032	13,567	6,013	44.3	8,586	2.0
1957-58(e)	(-) 2,141	13,937	6,049	43.4	10,029	2.3
<u>CASEIN</u>						
1953-54	(-) 241	3,827	1,786	46.7	2,282	0.6
1954-55	(+) 412	6,870	4,219	61.4	2,239	0.6
1955-56	(-) 211	9,367	7,182	76.7	2,396	0.6
1956-57	(-) 134	7,730	6,523	84.4	1,341	0.3
1957-58(e)	(+) 281	10,353	7,360	71.1	2,712	0.6

(a) Includes allowance for imports. (b) Includes Ships' Stores. (c) Includes Full Cream, Skim, Buttermilk and Whey. (d) Excludes Condensed, etc., Skim and Buttermilk. (e) Subject to revision. (f) Includes small quantities of non-fat Malted Milk.

BUTTER, CHEESE AND CONDENSED, ETC. MILK FACTORIES

25. SUMMARY OF STATISTICS - AUSTRALIA: The following table furnishes a summary of the principal statistics relating to factories engaged in the production of butter, cheese and preserved milk products. Further details will be found in Manufacturing Industries Bulletin No. 21 - "Butter, Cheese and Condensed, Concentrated, etc. Milk", published by this Bureau. It should be noted that details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown herein.

TABLE 24 : BUTTER, CHEESE AND CONDENSED, CONCENTRATED, ETC. MILK FACTORIES : AUSTRALIA

Year	Factories	Persons Employed (a)	Salaries and Wages Paid (b)	Power, Fuel and Light etc.Used(c)	Value of Other Materials etc.Used (d) (5)	Value of Production (e)	Value of Output (f)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1952-53	384	10,641	8,098	2,339	97,291	14,350	113,980
1953-54	380	10,580	8,416	2,396	94,020	15,914	112,330
1954-55	379	10,567	8,680	2,423	100,706	15,394	118,523
1955-56	375	11,119	9,568	2,741	106,883	18,893	128,517
1956-57	371	11,189	10,068	2,797	101,517	19,265	123,579

(a) Includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes water and lubricating oil. (d) Includes also value of containers, packing, etc., replacements of tools and repairs to plant. (e) Value of production equals column (7) less the sum of columns (4) and (5). (f) Value of goods produced.

Details of the industry for each State during the year 1956-57 were included in the last issue of this Bulletin (Volume 21, No. 7).

MARKETING ARRANGEMENTS AND ASSISTANCE TO THE DAIRYING INDUSTRY

26. BUTTER AND CHEESE EQUALIZATION SCHEME: A butter and cheese price equalization scheme has been operated for a number of years by voluntary action, based on agreements between the manufacturers and the Commonwealth Dairy Produce Equalization 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 by means of quotas. The Committee equalizes returns to factories through an Equalization Fund.

In Table 26 on page 20 of this Bulletin, details of the returns realized on local, interstate, and overseas sales and of the average equalization rates for the years ended June, 1953 to 1959, are set out. Details are also given, in Section 28 below, of the wholesale prices of butter and cheese for home consumption as fixed by State Prices Authorities or as determined by the Commonwealth Dairy Produce Equalization Committee.

27. 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 realizations from the current plan were, for the period 21st January, 1952, to 30th June, 1952, 144s. 7. 4d. per cwt., for 1952-53, 149s. 10. 5d. per cwt., for 1953-54, 162s. 4. 3d. per cwt., for 1954-55, 166s. 5. 2d. per cwt., for 1955-56, 180s. 9. 9d. per cwt., and for 1956-57, 184s. 6. 6d. per cwt.

The initial interim equalization value of 180s. 0d. per cwt., fixed for 1957-58, remained unaltered throughout the year.

28. WHOLESALE PRICES OF BUTTER AND CHEESE IN AUSTRALIA: Since 20th September, 1948, when the Commonwealth Government ceased to exercise price control, the fixation of the wholesale prices of butter and cheese has been a matter for State Prices Authorities. At present, however, the power to fix prices is being exercised in only two States, Queensland and South Australia, the prices in all other States being determined by the Commonwealth Dairy Produce Equalization Committee.

Details of prices operating in each of the States since 1st July, 1952, are shown in the following table. Details for earlier years were given in previous issues of this Bulletin.

TABLE 25 : WHOLESALE PRICES OF BUTTER AND CHEESE, AUSTRALIA. (a)

(s.d. per cwt.)

Date from which Prices Became Effective	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania
<u>BUTTER</u>						
1st July, 1952	417. 8	417. 8	417. 8	417. 8	422. 4	417. 8
26th July, 1955	452. 8	452. 8	451. 6	450. 4	452. 8	452. 8
1st July, 1956	466. 8	466. 8	465. 6	464. 4	466. 8	466. 8
1st July, 1958	435. 4	485. 4	484. 2	484. 2	435. 4	435. 4
<u>CHEESE</u>						
1st July, 1952	256. 8	256. 8	256. 8	256. 8	256. 8	256. 8
26th July, 1955	275. 4	275. 4	275. 4	274. 2	275. 4	275. 4
1st July, 1956	282. 4	282. 4	282. 4	281. 2	282. 4	282. 4
1st July, 1958	291. 8	291. 8	291. 8	291. 8	291. 8	291. 8

(a) Maximum prices fixed by State Prices Authorities or as determined by the Commonwealth Dairy Produce Equalization Committee for choicest grade bulk butter and cheese.

29. OVERSEA MARKETING: The Australian Dairy Produce Board (formerly the Australian Dairy Produce Control Board) has organized and exercised control over the oversea marketing of Australian dairy produce since 1924. The functions of the Board have been extended over the years by amendments to the Dairy Produce Export Control Act, 1924-1954, under which it operates, and now include the purchase and sale of dairy produce intended for export and the control of all matters concerning the handling, storage, protection, treatment, transfer and shipment of the produce so purchased or sold. In the interests of stability of the industry, the Act provides that the Board may be the sole Australian exporter of butter and cheese to the United Kingdom. The Minister for Primary Industry is authorised under the Act to arrange for the making of advances by the Commonwealth Bank to the Board for the purpose of financing exports.

The prices of Australian butter and cheese sold to the United Kingdom from October, 1939 to June, 1955, were fixed in accordance with the terms of the several contracts between the two Governments, particulars of which have been shown in earlier issues of this Bulletin. The contract arrangements terminated at 30th June, 1955, selling on the United Kingdom market reverting to pre-war conditions.

Butter and cheese is now being consigned to the Board in the United Kingdom, instead of the Ministry of Food as under the contract price arrangements, and, on arrival in the United Kingdom, is being allocated by the Board to selected agents thereof and sold by them under the general direction of the Board.

Since the termination of the contract in 1955, prices received for butter sold on the United Kingdom market have fallen substantially. Cheese prices rose during 1955-56 and the early part of 1956-57, but subsequently fell, and both butter and cheese prices were at their lowest level in recent years during the mid and latter part of 1957-58. There has since been a marked recovery, cheese prices in particular rising by the end of 1958 to more than double the level of a year earlier.

Details of the average rates realized on all butter and cheese sold overseas are given in Table 26.

30. COMMONWEALTH SUBSIDIES AND STABILIZATION PLANS: Under the provision of the various Dairy Industry Assistance Acts, the first of which was passed in 1942, the Commonwealth Government has provided subsidies on milk supplied for the manufacture of butter, cheese and processed milk products. Subsidies were paid on a seasonal basis prior to 1st April, 1946, but from that date have been on a flat rate basis. Subsidies are distributed by the Commonwealth Dairy Produce Equalization 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, 1953 to 1959 are shown in Table 26. No Commonwealth subsidy has been paid on milk supplied for the manufacture of processed milk since 30th June, 1952.

Under a five-year stabilization Plan which came into operation on 1st July, 1952, the Commonwealth Government, with the approval of the States, determined the ex-factory prices of butter and cheese, guaranteed to dairy farmers a return, based upon costs of efficient production, in respect of quantities of butter and cheese sold within the Commonwealth, plus an additional 20% (if produced), and agreed to make available an amount by way of subsidy to lift the return on that part of output covered by the guarantee, to the guaranteed level. A further five-year Stabilization Plan which came into operation on 1st July, 1957, continued all the important features of the previous Plan. A new feature, however, was that any subsidy made available under the scheme would be determined before the commencement of each season and would be on the basis of a fixed amount in any dairying year.

The actual amount of subsidy paid by the Commonwealth Government has been in excess of its original commitments under the Five-year Plans in some years. In 1955-56, to assist in offsetting the fall in export returns, the Government agreed to increase subsidy payments to a fixed figure of £14,500,000. In 1956-57 and 1957-58 a fixed amount of £13,500,000 was provided. In 1958-59, in order to offset a further decline in export returns, the Government decided that, in addition to providing a fixed amount of £13,500,000, it would also guarantee to dairy farmers an average return of 40 pence per pound on a commercial butter basis.

Early in 1953, an independent body, the Dairy Industry Investigation Committee, was appointed to advise the Commonwealth Government of the guaranteed return to producers. For the current Five-year plan, the function of the Committee is the determination of the cost of efficient production of butter-fat.

Amounts realized on exports of butter and cheese in excess of the f.o.b. equivalent of the guaranteed return have been credited to the Dairying Industry Stabilization Fund, which was established in July, 1943, for the purpose of stabilizing returns from exports. There have been no payments into the Fund from export sales since 1950-51. During 1951-52, the Stabilization Fund met the deficiency in respect of all exports which did not return sufficient to meet the basic return to the factory. From 1st July, 1952, to 30th June, 1957, it was available to the industry to be used, in whatever manner considered desirable by it, to make good any deficiency in respect of all exports other than the 20 per cent. provided for under the Commonwealth Government's Five-Year Stabilization Plan. The Act was amended in 1957 to enable the Board to use the fund for such other purposes as are approved by the Minister for Primary Industry. After allowing for outstanding debits, the amount standing to the credit of the Dairying Industry Stabilization Fund at 30th June, 1958, totalled approximately £1,509,000.

31. AVERAGE RETURNS FROM BUTTER AND CHEESE SOLD AND ASSESSED FARM PRODUCTION COSTS. The following table shows particulars of the rates realized on local, interstate and overseas sales and the average equalization and subsidy rates in operation for the years ended June, 1953 to 1959, in respect of butter and cheese. The average equalization and subsidy rates shown for 1957-58 and 1958-59 are of a tentative nature.

TABLE 26 : BUTTER AND CHEESE : RATES REALIZED ON SALES, AVERAGE EQUALIZATION RATES AND RATES OF COMMONWEALTH SUBSIDY UNDER DAIRY INDUSTRY ASSISTANCE ACTS

(Source : Commonwealth Dairy Produce Equalization Committee Ltd.)

(Rates per cwt.)

BUTTER

Year ended 30th June	Rates realized on Sales			Average Equalization Rate	Rate of Subsidy	Rate of Over- all Return to Manufacturers
	Local	Inter- state	Overseas			
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1953	404. 6.0	381. 4.0	389. 2.3	398. 0.4	35. 0.0	433. 0.4
1954	404. 7.3	380. 4.0	401. 4.6	400. 5.1	39.10.3	490. 3.4
1955	403. 4.2	384. 1.1	386. 3.9	395.10.3	79. 0.0	474. 10.3
1956	438. 1.5	419. 7.3	353. 0.2	400.10.5	65. 1.0	465. 11.5
1957	453. 5.1	425. 4.9	298. 6.7	392. 6.6	65. 7.8	458. 2.4
1958	(a)	(a)	(a)	(b)365. 4.0	(b)71. 7.8	(b)436. 11.8
1959	(a)	(a)	(a)	(b)353. 8.0	(b)61. 0.0	(b)414. 8.0

CHEESE

Year ended 30th June	Rates realized on Sales		Average Equalization Rate	Rate of Subsidy	Rate of Over- all Return to Manufacturers
	Local and Interstate as Cheddar Cheese	Overseas			
	s. d.	s. d.	s. d.	s. d.	s. d.
1953	244. 3.3	203. 4.1	232. 4.8	32. 0.0	264. 4.8
1954	244. 8.6	209. 9.1	232. 4.7	32. 0.0	264. 4.7
1955	246. 3.1	191. 11.1	220. 2.3	29. 10.9	250. 1.2
1956	264. 0.1	259. 9.5	262. 4.1	31. 5.7	293. 9.8
1957	267. 11.2	166. 8.4	223. 11.9	26. 2.6	250. 2.5
1958	(a)	(a)	(b)212. 8.0	(b)35. 11.2	(b)243. 7.2
1959	(a)	(a)	(b)192. 4.0	(b)25. 4.0	(b)217. 8.0

(a) Not yet available.

(b) Rates are of an interim nature only.

In Table 27 below, the distribution, between factory and farm, of the average overall return to manufacturers for butter, is shown. The assessed farm production cost for commercial butter is also shown for comparison with the average return to dairy farmers.

TABLE 27 : OVERALL RETURNS AND ASSESSED FARM PRODUCTION COSTS FOR COMMERCIAL BUTTER
(pence per lb.)

Year ended 30th June	Average Overall Returns on Commercial butter			Assessed Farm Production Cost (a)
	Rate of Overall Return to Manufacturer	Manufacturing Cost	Average Return to Dairy Farmer	
1953	51.754	4.653	47.101	49.29
1954	52.530	4.653	47.877	49.29
1955	50.878	4.253	46.625	49.29
1956	49.924	4.626	45.298	49.29
1957	49.093	4.626	44.467	51.00
1958	(b) 46.820	4.626	(b) 42.194	51.00
1959	(b) 44.826	4.826	(b) 39.495	53.00

(a) Up to 1956-57 the figures shown are the guaranteed returns as recommended by the Dairy Industry Investigation Committee and accepted by the Commonwealth Government; from 1957-58 they represent the cost of production as found by the Dairy Industry Investigation Committee. (b) Rates are of an interim nature only.

32. DAIRY INDUSTRY EXTENSION GRANT: In a previous issue of this Bulletin (Vol. 11, No. 14) reference was made to the annual grant of £250,000 for five years from 1st July, 1948, by the Commonwealth Government, to be expended by State Governments, for the purpose of promoting improved farming practices in the dairying industry. This assistance was continued by the Commonwealth Government for a further period of five years from 1st July, 1953, again by means of annual grants of £250,000, and in, 1958, was extended for a further five years to 30th June, 1963.

33. 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 provides for a statutory levy to be imposed on all butter and cheese manufactured in Australia. The maximum rates of levy are 3/16d. per lb. on butter and 3/32d. per lb. on cheese but the initial rates which commenced in November, 1958, are 1/8d. per lb. on butter and 1/16d. per lb. on cheese. The proceeds from the levy are divided equally between research and sales promotion.

The Commonwealth Government agreed to contribute one half of the costs 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 - the Dairy Produce Research Committee.

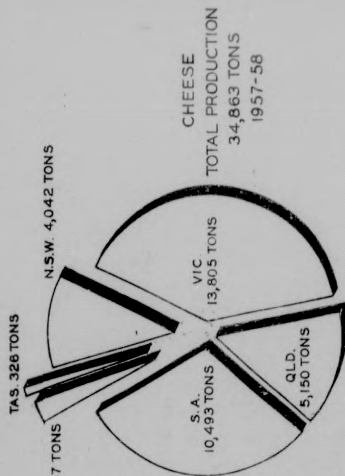
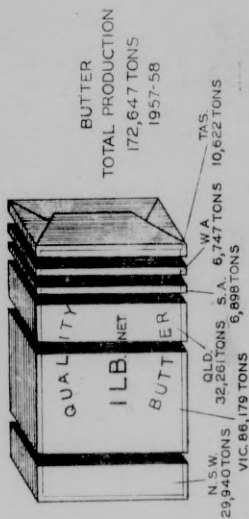
K.M. ARCHER
ACTING COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

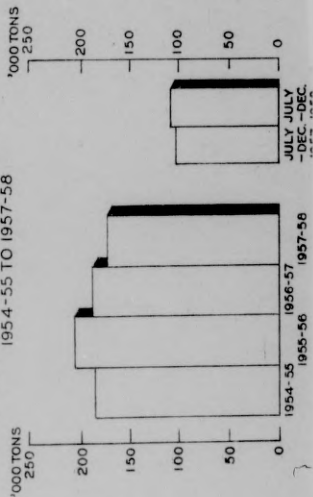
CANBERRA. A.C.T.

16TH MARCH, 1959.

FACTORY PRODUCTION OF BUTTER AND CHEESE AUSTRALIA



BUTTER PRODUCTION, AUSTRALIA
1954-55 TO 1957-58



CHEESE PRODUCTION, AUSTRALIA
1954-55 TO 1957-58

