

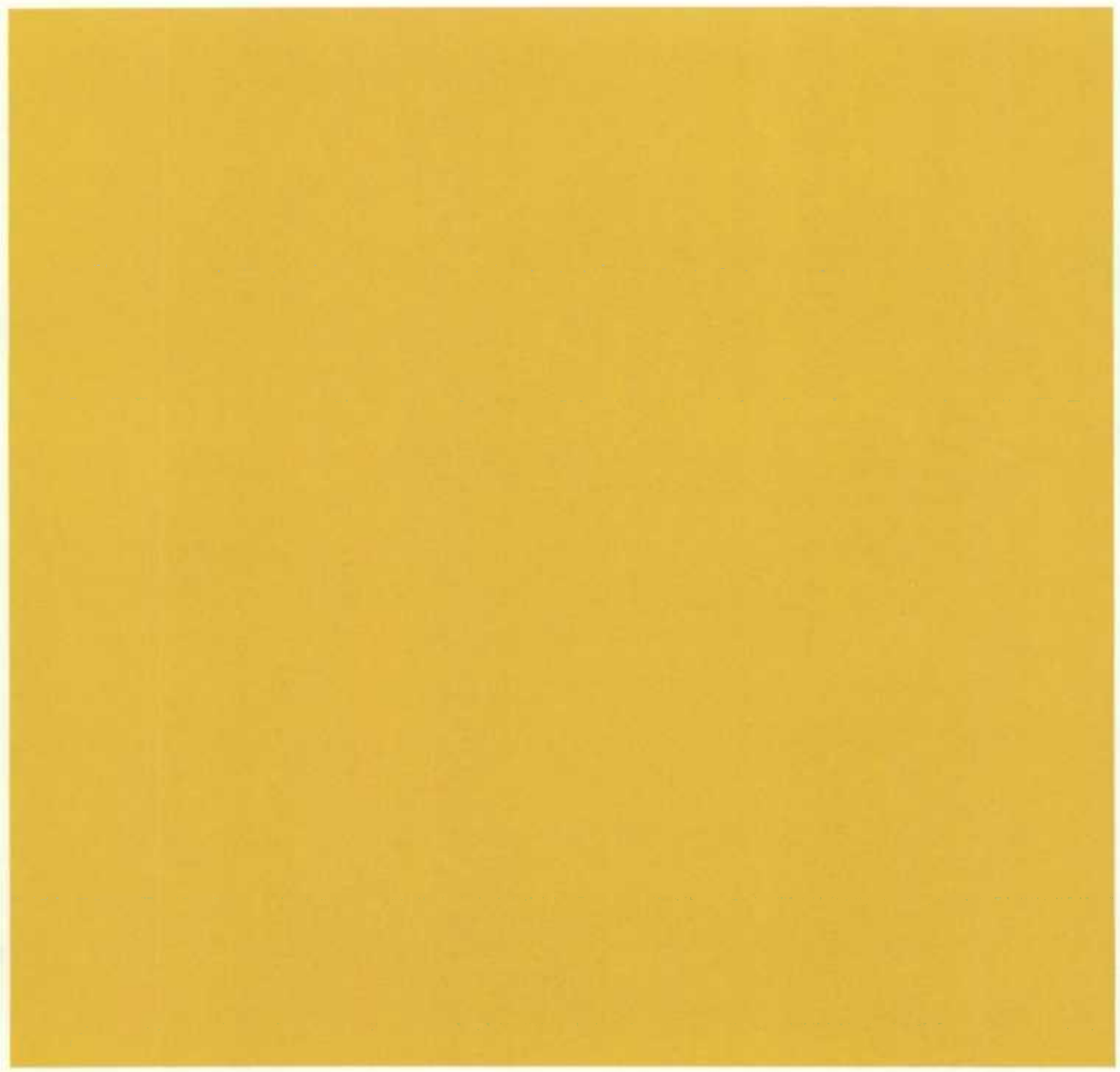
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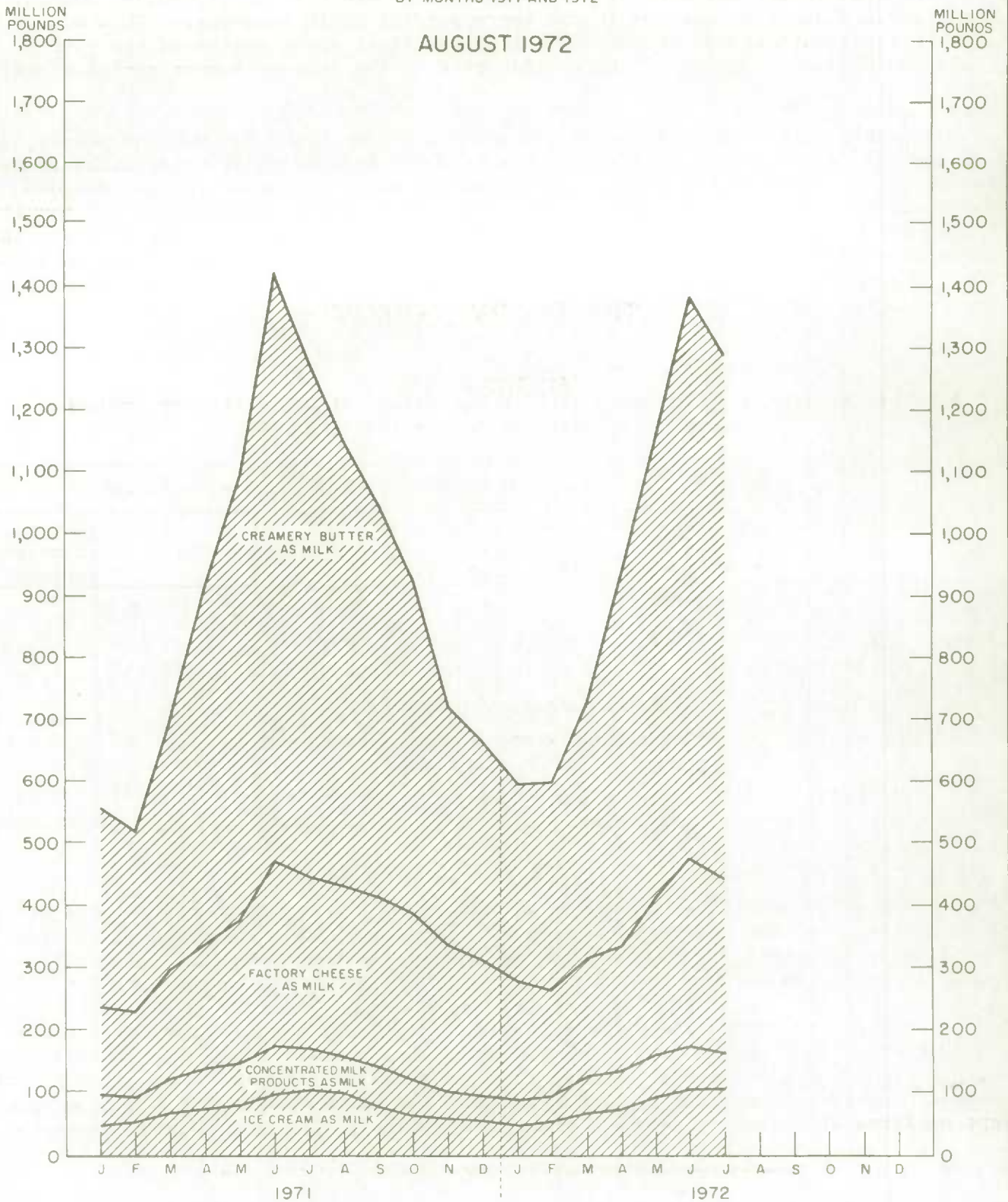
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THE DAIRY REVIEW

WHOLE MILK EQUIVALENT OF DAIRY FACTORY PRODUCTS, CANADA
BY MONTHS 1971 AND 1972



PRELIMINARY INDICATIONS OF THE DAIRY SITUATION, AUGUST 1972

The preliminary estimate of milk produced in August is 1,737,000,000 pounds, which is 2.2 % above production in the corresponding month last year. This would make the total estimate of production during the first eight months of the year 12,435,000,000 pounds or 2.2 % above production in the January-August period a year ago.

Slightly over 68 % of the milk produced in August, or 1,196,000,000 pounds, was used for dairy factory products. This is 4.1 % above factory utilization in August 1971. Creamery butter production during the month accounted for 767,000,000 pounds of milk, 6.6 % more than in August a year ago, while milk used in the manufacture of ice cream mix advanced 3.3 %. Approximately 0.9 and 3.2 % less milk was used for factory cheese and concentrated whole milk products, respectively, than in August 1971. During the January-August period, 3.4 % more milk was utilized for dairy factory products than in the corresponding period a year ago.

TABLE 1. Preliminary Estimates of Milk Equivalent of Dairy Factory Products, August and January to August 1971 and 1972

Product	August			January - August		
	1971	1972	Per-centage change	1971	1972	Per-centage change
	'000 lb.		%	'000 lb.		%
Creamery butter ...	719,059	766,818	+ 6.6	4,807,156	4,942,478	+ 2.8
Factory cheese	274,126	271,691	- 0.9	1,731,181	1,852,657	+ 7.0
Concentrated whole milk products ...	59,085	57,182	- 3.2	481,315	450,498	- 6.4
Ice cream mix	96,710	99,856	+ 3.3	603,604	638,760	+ 5.8
Totals	1,148,980	1,195,547	+ 4.1	7,623,256	7,884,393	+ 3.4

Fluid sales of milk and cream during August, for purposes of the advance preliminary estimate, are calculated at 439,000,000 pounds, an increase of 1.8 % from the sales in August 1971. This assumes the same relationship to year-earlier estimates as for the May-July period.

According to indications from the monthly survey of farms keeping milk cows, milk and cream consumed in farm homes was 19.3 % below that used in August 1971, while milk used for livestock feeding dropped 5.8 % from that of a year ago. Reports from farm dairy correspondents participating in the survey indicate 1.0 % fewer cows kept on farms at August 15, and 1.9 % less cows being milked than at the same date last year. Milk production per cow, for cows milked on farms in the sample, increased 3.4 % from the level at August 15, 1971.

FARM MILK PRODUCTION, UTILIZATION AND CASH RECEIPTS IN JULY 1972

Farm Milk Production. - The estimated quantity of milk produced on farms in July amounted to 1,845 million pounds, a decrease of 3 million pounds or 0.2 per cent below that of July 1971. Of this amount, 1,288 million pounds or 70 per cent was utilized in factory production, and approximately 435 million pounds or 24 per cent was used for fluid sales. During the January-July period, the estimated production was 10,697 million pounds, an increase of 231 million pounds from the corresponding period last year. The quantity of milk utilized for factory production in the January-July period amounted to 6,689 million pounds while fluid sales accounted for 3,111 million pounds.

Fluid Sales. - Sales of fluid milk and cream, the latter expressed as milk, amounted to 435 million pounds in July, a decrease of approximately 10 million pounds from July of last year. This included about 364 million pounds of fluid milk, comprising about 20 per cent of the farm milk supply, and fluid cream sales of 71 million pounds representing about 4 per cent. During the seven month period, fluid sales totalled 3,111 million pounds, an increase of 63 million pounds or 2.1 per cent over those of the corresponding period a year earlier.

Farm Butter. - Butter made on farms in July amounted to 192,000 pounds, decreasing 12 per cent from the corresponding month in 1971. For the January-July period, 1,344,000 pounds were produced, a decrease of 9 per cent from the same period last year.

Farm Cash Receipts. - Cash receipts from the sale of dairy products in July amounted to \$76,897,000. This represented an increase of 11.7 per cent or \$8,077,000 from the corresponding month last year. The weighted average value of \$4.51 per hundred pounds of milk was 42 cents higher than in July 1971. Fluid milk at \$6.76 per hundred was 29 cents higher than in July 1971. Cream for butter at 69.9 cents per pound butterfat was 3.3 cents higher than in July 1971, and farm butter at 65 cents per pound was 3 cents higher than in July 1971. Milk used in the manufacture of all dairy products averaged \$4.20 per hundred, 53 cents higher than in July 1971. Cheese milk at \$4.14 per hundred, was 53 cents higher than the corresponding month a year earlier. Of all the milk utilized for factory dairy products in July 1972 not more than 91 per cent was eligible for Federal government subsidy.

Estimates of farm cash receipts from the sale of dairy products, as set forth in this report, include the basic plant paying price less haulage and, where applicable, quality premiums, bonuses, patronage dividends and those government subsidies which have been paid indirectly through plants as part of the plant price. They do not include government payments made direct to farmers by government cheque, nor do they reflect any allowance for costs incurred by farmers in the production of dairy products.

Basic Rates of Subsidy Payments, Holdbacks and Levies for Manufacturing Milk and Cream (Basic 3.3 per cent butterfat) Dairy Years 1971-72 and 1972-73

Dairy year	Basic subsidy rate (all provinces)		Basic holdback rate(1)				Basic Levy rate(2)			
			Subsidy quota		Excess of Subsidy quota		Market quota		Excess of Market quota	
	Milk	Cream	Milk	Cream	Milk	Cream	Milk	Cream	Milk	Cream
	\$ per cwt.	¢ per lb. b.f.	\$ per cwt.	¢ per lb. b.f.	\$ per cwt.	¢ per lb. b.f.	\$ per cwt.	¢ per lb. b.f.	\$ per cwt.	¢ per lb. b.f.
<u>April 1 to March 31</u>										
Apr. 1/71 - May 31/71	1.25	35.71	.26	-	1.25	8	.26	-	2.40	50.28
June 1/71 - Mar. 31/72	1.25	35.71	.20	-	1.05	5	.20	-	2.05	30.00
			.10				.10			
Apr. 1/72 - Mar. 31/73	1.25	35.71	.10	-	1.05	5	.10	-	2.05	30.00

(1) Applies to N.S., N.B. and B.C.

(2) Applies to P.E.I., Que., Ont., Sask. and Alta., who have entered a market sharing quota arrangement with the federal government. Instead of holdback deductions the provincial authorities arranged to levy payments from producers at rates set by the Canadian Dairy Commission.

PRODUCTION AND PRICES OF DAIRY PRODUCTS IN JULY 1972

Creamery butter

Production. - Creamery butter production amounted to 36.2 million pounds in July 1972, an increase of approximately 584 thousand pounds from production in the same month of the previous year.

Stocks. - Holdings of creamery butter in store on August 1, 1972, amounted to 50.6 million pounds, approximately 19.9 million pounds less than at August 1 last year. On July 1, 1972, stock holdings at 40.8 million pounds were 19.2 million pounds less than at the same date a year earlier.

Supply. - Stocks of creamery butter on July 1, plus production and imports during the month, amounted to 77.0 million pounds of butter at July 31, 1972. This was a decrease of approximately 18.7 million pounds compared to the corresponding supply figure at July 31, 1971.

Domestic disappearance. - The domestic disappearance of creamery butter in July amounted to 26.4 million pounds of butter, an increase of 1.3 million pounds or 5.2 per cent more than the corresponding figure for the same month last year. On a per capita basis, it amounted to 1.23 pounds as compared with 1.17 pounds in July 1971.

Prices at Montreal. - Butter prices at Montreal, based on dealers' quotations for first grade solids, averaged 68 cents per pound in July, as against 65 cents in July 1971.

Cheddar cheese

Production. - Cheddar cheese production in July amounted to approximately 20.7 million pounds, an increase of about 1.3 million pounds from production in the same month of the previous year.

Prices. - The Belleville price of Ontario coloured cheese averaged 63 1/4 cents per pound in July. The comparative price in 1971 was 62 1/2.

Ice cream mix

The quantity of ice cream mix manufactured in July was approximately 3.6 million gallons or 107 thousand gallons less than that produced a year ago.

TABLE 2. Milk Production and Utilization, by Province,
July 1971 and 1972

Province and year	Total milk production	Utilization				
		Factory products	Farm butter	Farm-home consumed	Fed to livestock	Fluid sales
thousand pounds						
P.E.I. 1971	26,927	22,478	47	1,470	684	2,248
1972	25,963	21,616	47	1,420	638	2,242
N.S. 1971	30,256	9,235	187	1,700	810	18,324
1972	30,589	9,990	140	1,550	799	18,110
N.B. 1971	28,006	12,674	211	1,660	660	12,801
1972	26,317	11,408	211	1,360	658	12,680
Que. 1971	799,083	652,942	515	17,600	12,500	115,526
1972	787,720	649,170	468	15,700	12,100	110,282
Ont. 1971	569,702	358,780	468	15,300	16,900	178,254
1972	600,710	389,644	421	14,700	20,000	175,945
Man. 1971	81,254	51,602	374	6,230	3,480	19,568
1972	79,054	50,358	328	5,420	4,120	18,828
Sask. 1971	81,607	46,182	1,591	13,600	4,780	15,454
1972	72,593	38,901	1,427	12,600	4,320	15,345
Alta. 1971	149,808	96,467	1,521	11,300	7,820	32,700
1972	141,987	91,042	1,334	9,840	7,910	31,861
B.C. 1971	81,251	26,608	164	1,680	2,090	50,709
1972	79,668	25,875	117	1,680	2,050	49,946
Totals .. 1971	1,847,894	1,276,968	5,078	70,540	49,724	445,584
1972	1,844,601	1,288,004	4,493	64,270	52,595	435,239

TABLE 3. Milk Production and Utilization: Cumulative Data, by Province, January to July 1971 and 1972

Province and year	Total milk production	Utilization				
		Factory products	Farm butter	Farm-home consumed	Fed to livestock	Fluid sales
thousand pounds						
P.E.I. 1971	113,539	87,077	328	9,510	4,871	11,753
1972	112,797	86,749	329	8,630	4,747	12,342
N.S. 1971	205,519	65,652	1,309	10,600	5,947	122,011
1972	209,616	69,272	980	9,470	5,542	124,352
N.B. 1971	151,177	56,142	1,404	9,630	5,302	78,699
1972	149,373	54,564	1,477	8,230	4,997	80,105
Que. 1971	3,967,633	2,924,459	3,603	106,200	143,110	790,261
1972	4,006,889	2,959,738	3,276	97,200	145,900	800,775
Ont. 1971	3,604,872	2,103,652	3,089	98,300	160,400	1,239,431
1972	3,827,360	2,304,738	2,947	95,100	162,100	1,262,475
Man. 1971	487,383	274,134	2,457	38,710	33,290	138,792
1972	495,813	288,782	2,296	34,110	30,950	139,675
Sask. 1971	480,314	238,654	10,555	84,300	38,210	108,595
1972	452,039	218,844	9,989	78,660	32,130	112,416
Alta. 1971	887,609	516,358	10,670	70,890	62,370	227,321
1972	870,928	503,710	9,338	62,050	61,050	234,780
B.C. 1971	568,064	208,148	1,148	11,020	16,450	331,298
1972	572,397	202,449	819	10,180	14,650	344,299
Totals .. 1971	10,466,110	6,474,276	34,563	439,160	469,950	3,048,161
1972	10,697,212	6,688,846	31,451	403,630	462,066	3,111,219

TABLE 4. Milk Equivalent of Factory Products and Fluid Sales, by Province, July 1971 and 1972

Province and year	Creamery butter	Cheese(1)	Concentrated whole milk products and ice cream mix(2)	Fluid milk	Fluid cream
thousand pounds of milk					
P.E.I. 1971	13,713	3,476	5,289	2,045	203
1972	11,677	3,949	5,990	2,070	172
N.S. 1971	3,065	1,617	4,553	15,376	2,948
1972	3,393	1,881	4,716	15,545	2,565
N.B. 1971	9,781	649	2,244	10,977	1,824
1972	8,658	506	2,244	10,965	1,715
Que. 1971	457,493	130,598	64,851	92,843	22,683
1972	472,118	123,689	53,363	89,156	21,126
Ont. 1971	180,812	122,947	55,021	153,430	24,824
1972	204,516	129,591	55,537	151,773	24,172
Man. 1971	39,148	7,734	4,720	15,818	3,750
1972	33,626	12,146	4,586	15,361	3,467
Sask. 1971	44,390	—	1,792	13,110	2,344
1972	37,206	—	1,695	13,010	2,335
Alta. 1971	78,484	4,455	13,528	26,890	5,810
1972	72,540	5,104	13,398	25,940	5,921
B.C. 1971	6,107	3,531	16,970	41,351	9,358
1972	2,925	2,123	20,827	40,563	9,383
Totals ... 1971	832,993	275,007	168,968	371,840	73,744
1972	846,659	278,989	162,356	364,383	70,856

(1) Includes the milk equivalent of cheddar and other factory cheese made from whole milk and cream.

(2) Combined to avoid disclosing individual company operations.

TABLE 5. Milk Utilization: In Factories, in Dairies and on Farms, as Percentage of Production, by Province, July 1972

Province	Used in manufacture				Used for fluid sales	Used on farms		
	Creamery butter	Cheese	Conc. milk and ice cream mix	Total		For farm butter	In farm homes	Pail fed to animals
	percentages							
P.E.I.	45	15	23	83	9	1	5	2
N.S.	11	6	16	33	59	—	5	3
N.B.	33	2	8	43	48	1	5	3
Que.	60	15	7	82	14	—	2	2
Ont.	34	22	9	65	29	1	2	3
Man.	43	15	6	64	24	—	7	5
Sask.	51	—	3	54	21	2	17	6
Alta.	51	4	9	64	22	1	7	6
B.C.	4	2	26	32	63	—	2	3
Canada ..	46	15	9	70	24	—	3	3

TABLE 6. Butter Made on Farms, by Province, July and Cumulative January to July 1971 and 1972

Province	July			January - July		
	1972	1971	% of 1971	1972	1971	% of 1971
	'000 lb.		%	'000 lb.		%
P.E.I.	2	2	100	14	14	100
N.S.	6	8	75	42	56	75
N.B.	9	9	100	63	60	105
Que.	20	22	91	140	154	91
Ont.	18	20	90	126	132	95
Man.	14	16	88	98	105	93
Sask.	61	68	90	427	451	95
Alta.	57	65	88	399	456	88
B.C.	5	7	71	35	49	71
Totals ..	192	217	88	1,344	1,477	91

TABLE 7. Production Trends as Indicated by Reports in the Farm Survey, Conducted as of the 15th of each Month

A. Cows Milked: Percentage of Total Milk Cows, by Province
June, July and August 1971 and 1972

Province	June		July		August	
	1972	1971	1972	1971	1972	1971
	percentages					
P.E.I.	77.6	75.6	85.1	85.0	83.4	85.2
N.S.	74.9	72.7	73.3	76.3	72.6	73.0
N.B.	78.1	77.2	78.5	79.8	79.2	80.0
Que.	81.1	81.7	82.9	83.2	82.3	82.6
Ont.	74.6	74.8	76.1	75.4	75.2	76.7
Man.	70.4	71.5	71.2	72.4	71.5	69.0
Sask.	75.0	76.7	75.2	76.7	74.0	75.8
Alta.	74.4	75.8	78.0	77.6	75.5	78.0
B.C.	75.9	75.3	76.0	76.4	75.7	74.8
Canada ..	77.2	77.7	78.9	78.9	78.0	78.8

B. Milk Production Per Cow: Daily Averages for All Cows and for
Cows Milked, by Province
July 1972 and August 1971 and 1972

Province	All cows			Cows milked		
	July 1972	August 1972	August 1971	July 1972	August 1972	August 1971
	pounds					
P.E.I.	31.7	29.9	27.7	37.2	35.8	32.5
N.S.	23.6	22.0	21.8	32.2	30.3	29.9
N.B.	27.7	24.6	24.6	35.3	31.3	30.8
Que.	27.0	24.5	24.1	32.6	29.8	29.2
Ont.	28.0	27.1	25.9	36.8	36.0	33.8
Man.	23.3	21.9	21.2	32.8	30.6	30.7
Sask.	25.9	22.7	22.8	34.5	30.7	30.1
Alta.	29.2	27.1	27.4	37.4	35.8	35.1
B.C.	30.6	30.6	30.3	40.3	40.4	40.5
Canada ..	27.5	25.8	25.2	34.8	33.0	31.9

TABLE 8. Farm Cash Receipts from the Sale of Milk, Cream and Farm Butter,
by Province
July 1971 and 1972(1)

Province and year	Creamery butter-fat	Cheese milk	Milk for ice cream mix and concentration	Fluid cream	Fluid milk	Farm butter	Total
thousand dollars							
P.E.I. 1971	335	126	188	12	119	--	780
1972	295	162	244	11	133	--	835(2)
N.S. 1971	70	48	167	213	1,109	1	1,608
1972	80	78	189	184	1,118	1	1,650
N.B. 1971	220	22	75	65	692	1	1,075
1972	204	20	90	74	742	1	1,131
Que. 1971	16,436	4,597	2,353	814	5,840	1	29,045(2)
1972	19,327	4,972	2,218	889	6,054	1	33,011(2)
Ont. 1971	6,156	4,573	2,021	933	10,034	1	23,110(2)
1972	7,889	5,508	2,312	1,035	10,230	1	26,652(2)
Man. 1971	841	267	149	107	955	1	2,320
1972	755	530	187	131	969	--	2,572
Sask. 1971	1,068	—	50	65	764	2	1,949
1972	939	—	49	67	775	1	1,828(2)
Alta. 1971	2,014	169	473	201	1,619	1	4,477
1972	2,027	215	506	213	1,567	1	4,492(2)
B.C. 1971	199	115	566	660	2,915	1	4,456
1972	106	78	781	707	3,054	--	4,726
Totals .. 1971	27,339	9,917	6,042	3,070	24,047	9	68,820(2)
1972	31,622	11,563	6,576	3,311	24,642	6	76,897(2)

(1) See paragraph 5, page 4, re farm cash receipts.

(2) Represents the market price less levies collected under provincial authority. Levies on milk in excess of quota are subject to rebate. Levies by category of milk are not available, therefore farm cash receipts are not additive.

TABLE 9. Farm Cash Receipts from the Sale of Milk, Cream and Farm Butter, Cumulative Data, by Province, January to July 1971 and 1972(1)

Province and year	Creamery butter-fat	Cheese milk	Milk for ice cream mix and concentration	Fluid cream	Fluid milk	Farm butter	Total
thousand dollars							
P.E.I. 1971	1,251	481	798	43	642	--	3,215
1972	1,157	665	1,022	46	743	--	3,593(2)
N.S. 1971	653	322	952	978	7,620	7	10,532
1972	717	532	1,060	953	8,045	7	11,314
N.B. 1971	919	88	430	283	4,442	7	6,169
1972	901	102	551	334	4,914	7	6,809
Que. 1971	69,065	23,573	11,436	4,396	41,854	7	146,269(2)
1972	80,236	28,630	12,371	5,253	45,650	7	169,727(2)
Ont. 1971	38,332	24,762	11,069	6,618	70,601	7	147,221(2)
1972	48,919	30,673	12,766	7,254	74,026	7	171,600(2)
Man. 1971	4,401	1,435	788	697	6,886	3	14,210
1972	4,410	2,992	918	792	7,190	--	16,302
Sask. 1971	5,522	--	282	421	5,605	11	11,841
1972	5,384	--	243	439	5,906	7	11,976(2)
Alta. 1971	10,095	928	3,500	1,265	11,529	7	27,324
1972	10,245	1,201	4,094	1,418	11,912	7	28,840(2)
B.C. 1971	2,276	714	3,784	4,130	19,616	7	30,527
1972	2,059	751	4,520	4,464	21,111	--	32,905
Totals .. 1971	132,514	52,303	33,039	18,831	168,795	56	397,308(2)
1972	154,028	65,546	37,545	20,953	179,497	42	453,066(2)

(1) See Paragraph 5, page 4, re farm cash receipts.

(2) See footnote(2) page 11.

TABLE 10. Average Farm Values of Cream, Milk and Farm Butter, by Province, July 1971 and 1972(1)

Province and year	Cream for butter	Milk for butter	Milk for cheese(2)	Milk for ice cream mix and concentration	Average for manufacturing milk(3)	Average for all manufacturing uses(4)	
	per lb. b.f. ¢	per lb. b.f. ¢	per cwt. \$	per cwt. \$	per cwt. \$	per cwt. \$	
P.E.I. (5) ..	1971	70.5	—	3.62	3.56	3.58	2.89
	1972	73.0	—	4.09	4.08	4.08	3.24
N.S.	1971	66.0	—	2.96	3.67	3.48	3.09
	1972	68.0	—	4.16	4.02	4.05	3.47
N.B.	1971	65.0	—	3.40	3.32	3.35	2.50
	1972	68.0	—	4.04	4.02	4.00	2.75
Que. (5)	1971	67.3	108.3	3.52	3.63	3.69	3.58
	1972	70.2	124.2	4.02	4.16	4.23	4.08
Ont. (5)	1971	62.6	106.2*	3.72*	3.67*	3.69	3.55
	1972	66.1	121.4*	4.25*	4.16*	4.21	4.03
Man.	1971	62.1	—	3.46	3.15	3.34	2.44
	1972	64.9	—	4.36	4.08	4.29	2.92
Sask. (5) ...	1971	69.5	—	—	2.78	2.78	2.42
	1972	72.9	—	—	2.88	2.88	2.54
Alta. (5) ...	1971	68.3	104.6	3.78	3.50	3.59	2.75
	1972	72.7	122.9	4.22	3.78	4.04	3.02
B.C.	1971	—	94.2(6)	3.26(6)	3.34(6)	3.31	3.31
	1972	—	105.2(6)	3.66(6)	3.75(6)	3.73	3.73
Canada(5)	1971	66.6	107.5	3.61	3.58	3.67	3.39
	1972	69.9	123.3	4.14	4.05	4.20	3.86

* Value of milk for creamery butter, cheese and ice cream mix based on "blend prices" calculated from O.M.M.B. data.
See end of table for footnotes.

TABLE 10. Average Farm Values of Cream, Milk and Farm Butter, by Province, July 1971 and 1972(1) - Concluded

Province and year	Fluid milk	Fluid milk for cream	Average fluid	Farm butter	Average of total sales
	per cwt. \$	per cwt. \$	per cwt. \$	per lb. ¢	\$ per cwt. of milk
P.E.I. (5) ... 1971	5.83	5.83	5.83	61	3.15
1972	6.44	6.44	6.44	66	3.54
N.S. 1971	7.21	7.21	7.21	60	5.83
1972	7.19	7.19	7.19	63	5.87
N.B. 1971	6.30	3.57	5.91	63	4.21
1972	6.77	4.33	6.44	65	4.69
Que. (5) 1971	6.29	3.59	5.76	66	3.91
1972	6.79	4.21	6.30	69	4.41
Ont. (5) 1971	6.54	3.76	6.15	62	4.42
1972	6.74	4.28	6.40	68	4.77
Man. 1971	6.04	2.85	5.43	63	3.26
1972	6.31	3.77	5.84	65	3.72
Sask. (5) 1971	5.83	2.78	5.36	61	3.16
1972	5.96	2.88	5.49	63	3.37
Alta. (5) 1971	6.02	3.46	5.57	62	3.47
1972	6.04	3.60	5.59	62	3.68
B.C. 1971	7.05(7)	7.05(7)	7.05(7)	61	5.76
1972	7.53(7)	7.53(7)	7.53(7)	62	6.23
Canada(5) 1971	6.47	4.16	6.09	62	4.09
1972	6.76	4.67	6.42	65	4.51

(1) See paragraph 5, page 4, re farm cash receipts. (2) Includes the milk equivalent of cheddar and other factory cheese made from whole milk and cream. (3) Includes columns 2, 3 and 4. (4) Includes column 1, 2, 3 and 4. (5) Where applicable, 1971 and 1972 values are not adjusted for Levies collected under provincial authority. (6) Based on class 111 qualifying milk. (7) Based on class 1 qualifying milk.

TABLE 11. Creamery Butter: Domestic Disappearance for July, January to July and January to December 1963 to 1972

Year	July		January to July		January - December	
	Total	Per capita	Total	Per capita	Total	Per capita
	'000 lb.	lb.	'000 lb.	lb.	'000 lb.	lb.
1963	28,197	1.49	195,004	10.29	351,342	18.53
1964	32,177	1.67	204,578	10.58	357,323	18.49
1965	30,068	1.53	200,566	10.19	356,201	18.10
1966	23,736	1.18	195,954	9.78	347,819	17.35
1967	25,926	1.27	189,726	9.28	336,982	16.49
1968	29,367	1.42	192,396	9.27	333,110	16.04
1969	29,146	1.38	188,322	8.93	322,607	15.30
1970	26,155	1.22	183,488	8.58	327,873	15.32
1971	25,104	1.17	189,652	8.80	328,789	15.26
1972	26,399	1.23	182,680(1)	8.48	-	-

(1) Data excludes 4,775,000 pounds of butter imported in Dec. 1971 but due to lagged reporting credited to January 1972 trade statistics.

TABLE 12. Cheese, Supply and Disposition, Canada, July and Cumulative January to July 1968 to 1972

Year	Stocks beginning	Production	Imports(1)	Exports(1)	Stocks end	Domestic disappearance	
						July	Jan. - July
'000 lb.							
Cheddar cheese							
1968	84,803	20,861	-	2,517	92,558	10,589	73,378
1969	79,515	21,677	-	298	89,473	11,421	73,315
1970	66,803	19,563	-	1,340	73,628	11,398	88,630
1971	53,179	19,449	-	843	60,127	11,658	87,642
1972	70,099	20,719	-	586	77,736	12,496	90,043
Process cheese							
1968	6,352	6,806	281	20	7,218	6,201	49,626
1969	7,874	7,032	233	41	7,854	7,244	53,280
1970	6,692	7,081	281	715	6,583	6,756	51,528
1971	6,705	8,004	329	71	6,570	8,397	57,409
1972	10,781	7,388	571	9	11,694	7,037	59,641
Other cheese (hard and soft varieties)							
1971	7,150	5,582	1,826	246	7,564	6,748	47,070
1972	11,371	4,677	2,474	153	11,797	6,572	45,908

(1) Data for 1972 are preliminary and subject to revision.

TABLE 13. Principal Concentrated Milk Products, Supply and Disposition, Canada, July and Cumulative January to July 1968 to 1972

Year	Evaporated whole milk						
	Stocks beginning	Production	Imports (1)	Exports (1)	Stocks end	Domestic disappearance	
						July	Jan. - July
	'000 lb.						
1968	37,583	29,597	-	724	45,880	20,576	169,024
1969	39,871	27,524	-	107	46,349	20,939	160,396
1970	26,744	25,285	-	441	35,424	16,164	156,693
1971	31,084	27,562	-	305	41,024	17,317	149,488
1972	35,339	23,543	-	-	41,164	17,718	143,421
	Partly skimmed evaporated milk						
1968	900	822	-	-	952	770	5,853
1969	976	632	-	-	692	916	5,078
1970	882	464	-	-	718	628	4,710
1971	831	528	-	-	667	692	5,280
1972	820	332	-	-	681	471	4,359
	Condensed whole milk						
1968	1,650	1,353	-	-	1,381	1,622	14,891
1969	654	1,517	-	-	1,168	1,003	12,492
1970	1,734	917	-	-	1,492	1,159	9,800
1971	1,274	1,004	-	-	1,217	1,061	8,807
1972	1,061	937	-	-	957	1,041	9,283
	Skim milk powder						
1968	187,610	46,053	-	3,400	218,508	11,755	89,142
1969	198,337	51,989	-	27,798	209,677	12,851	128,068
1970	109,245	47,951	-	20,146	140,572	(2)	33,407
1971	66,002	42,361	-	11,121	80,918	16,324	46,740
1972	100,105	45,563	-	1,025	135,066	9,577	71,564

(1) Data for 1972 are preliminary and subject to revision.

(2) Disappearance for the month cannot be estimated because month-end stocks and exports (with inevitable lag) exceed total supply.

TABLE 14. Ice Cream: Production of Hard and Soft Types, by Province, August and Cumulative January to August 1971 and 1972

Province and year	Hard ice cream		Soft ice cream		Total ice cream	
	August	Jan. - Aug.	August	Jan. - Aug.	August	Jan. - Aug.
thousand gallons						
P.E.I. 1971	(1)	(1)	(1)	(1)	(1)	(1)
1972	(1)	(1)	(1)	(1)	(1)	(1)
N.S. 1971	269	1,657	29	170	298	1,827
1972	237	1,674	36	165	273	1,839
N.B. 1971	230	1,316	16	63	246	1,379
1972	236	1,381	9	50	245	1,431
Que. 1971	1,628	11,318	172	880	1,800	12,198
1972	1,708	11,231	158	807	1,866	12,038
Ont. 1971	2,187	13,696	52	263	2,239	13,959
1972	2,236	14,353	52	274	2,288	14,627
Man. 1971	339	2,131	43	208	382	2,339
1972	292	2,121	37	228	329	2,349
Sask. 1971	239	1,563	54	287	293	1,850
1972	212	1,379	54	264	266	1,643
Alta. 1971	638	3,787	116	571	754	4,358
1972	656	4,250	132	663	788	4,913
B.C. 1971	736	4,156	165	756	901	4,912
1972	694	4,297	167	749	861	5,046
Totals .. 1971	6,266	39,624	647	3,198	6,913	42,822
1972	6,271	40,686	645	3,200	6,916	43,886

(1) Excluded to avoid disclosure of individual plant operations.

TABLE 15. Production of Other Products in Ice Cream Industry, Canada, August and Cumulative January to August 1971 and 1972

Year	Milkshake mix		Sherbet		Water ices		Ice milk	
	August	Jan. - Aug.	August	Jan. - Aug.	August	Jan. - Aug.	August	Jan. - Aug.
thousand gallons								
1971	257.3	1,226.4	77.9	577.9	322.3	2,528.9	178.0	1,218.8
1972	193.9	1,047.8	73.6	588.9	384.6	2,656.2	384.3	2,326.1

TABLE 16. Total Reported Domestic Sales of Skim Milk Powder with Related Price Data, Quebec and Ontario, 1972(1)

(Data on Export Sales not included due to disclosure provisions of Statistics Act)

Province and Classification	Domestic sales of skim milk powder				
	Total reported	Range of reported prices(2)	Weighted average selling price F.O.B. plant (net)	Bulk of Sales	
				Price range(3)	Volume as a per cent of total reported
	'000 lb.	¢ per lb.	¢ per lb.	¢ per lb.	%
Quebec:					
Spray	23,830	25.8-34.8	28.65	28.6-29.0	76
Roller	356	24.8-28.8	26.41	25.6-26.0	40
Feed	200	21.8-27.8	25.42	25.6-26.0	35
Ontario:					
Spray	10,136	23.8-38.8	28.69	28.6-29.0	78
Roller	-	-	-	-	-
Feed	140	20.3-26.8	22.85	21.6-22.0	20

(1) At time of publication reports had not been received from 7 of 60 plants listed as producing in Quebec and Ontario, therefore, the table should not be interpreted as covering total sales in these provinces.

(2) Mid-points of lowest and highest half cent range in which sales were reported.

(3) The price range of bulk of sales is the price interval in which the largest volume of sales occurred as compared to all other price intervals.

THE UNIVERSITY OF CHICAGO
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LETTER FROM THE DIRECTOR OF THE UNIVERSITY OF CHICAGO
TO THE DIRECTOR OF THE NATIONAL BUREAU OF STANDARDS
WASHINGTON, D.C.

Dear Sir:

I am pleased to inform you that the University of Chicago has accepted the offer of a grant from the National Bureau of Standards for the purchase of a new piece of scientific equipment. The equipment is a high-resolution mass spectrometer, which will be used for the study of the isotopic composition of various elements. The grant is for the amount of \$100,000.00.

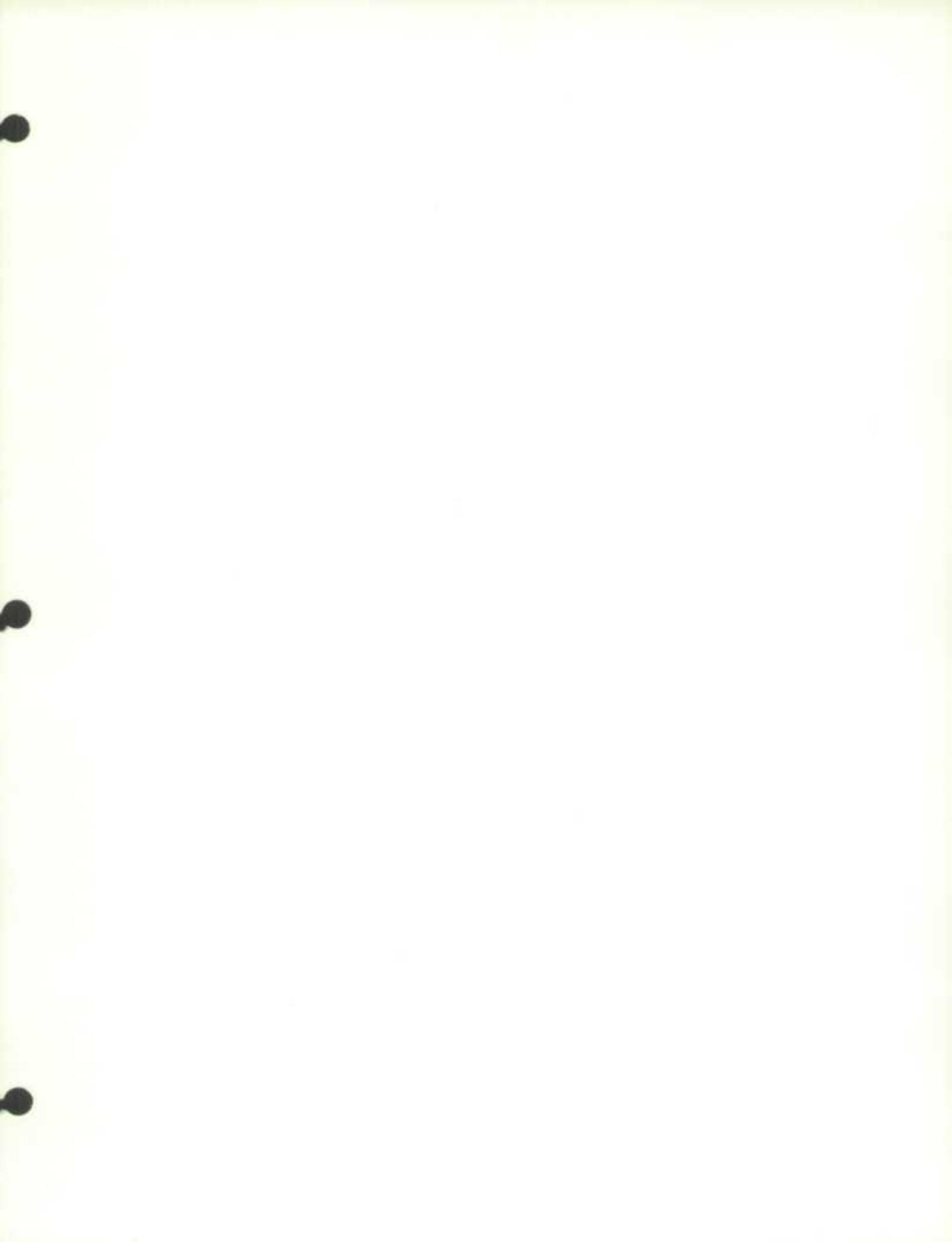
The equipment is being purchased from the National Bureau of Standards. The equipment is being delivered to the University of Chicago in the month of June, 1964. The equipment is being installed in the Department of Chemistry, 1155 East 58th Street, Chicago, Illinois.

I am sure that the equipment will be of great value to the University of Chicago and to the National Bureau of Standards. I am sure that the equipment will be used for the study of the isotopic composition of various elements.

I am sure that the equipment will be used for the study of the isotopic composition of various elements. I am sure that the equipment will be used for the study of the isotopic composition of various elements.

I am sure that the equipment will be used for the study of the isotopic composition of various elements. I am sure that the equipment will be used for the study of the isotopic composition of various elements.





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