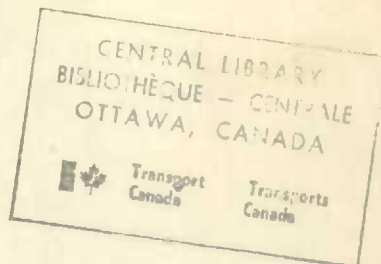


Published by Authority of the Hon. James A. MACKINNON, M.P.,

Minister of Trade and Commerce.

DOMINION BUREAU OF STATISTICS  
TRANSPORTATION AND PUBLIC UTILITIES BRANCH  
OTTAWA



Dominion Statistician, HERBERT MARSHALL

Chief, Transportation and Public Utilities Branch, G.S. Wong

**OPERATING REVENUES, EXPENSES & STATISTICS**

20-4140

**RAILWAYS IN CANADA**

**WITH ANNUAL OPERATING REVENUES OF**

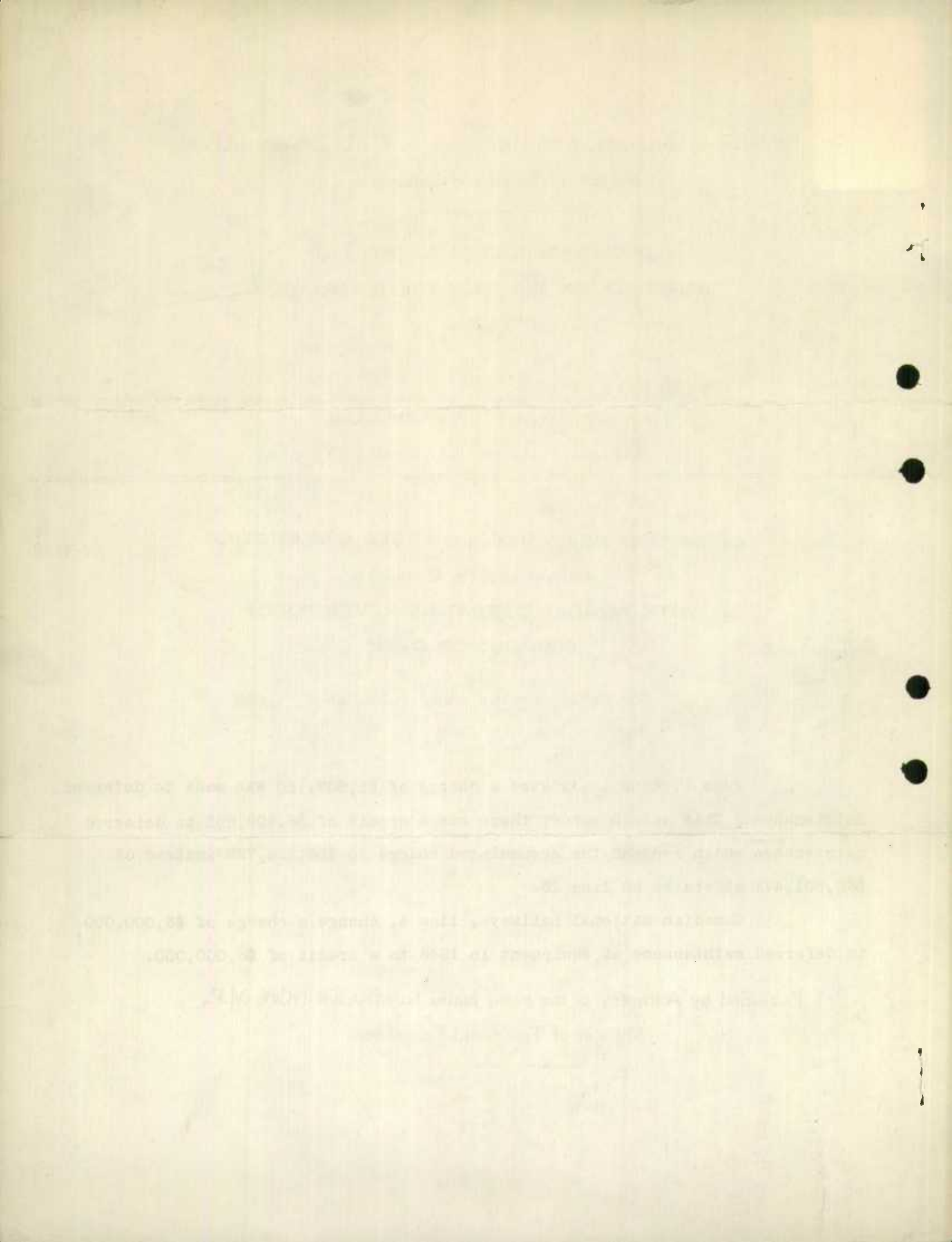
ERRATA

**\$500,000 OR OVER**

*Noted*  
For Twelve Months ended December 31, 1946

Page 1, line 14, stated a charge of \$5,807,150 was made to deferred maintenance. This was in error; there was a credit of \$6,192,852 to deferred maintenance which reduced the accumulated charge to \$56,214,753 instead of \$68,901,471 as stated on line 15.

Canadian National Railways, line 4, change a charge of \$6,000,000 to deferred maintenance of equipment in 1946 to a credit of \$6,000,000.



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\$500,000 OR OVER

20-4140

For Twelve Months ended December 31, 1946.

Canadian railways earned \$711,386,199 during 1946, which was 7.6 p.c. or \$58,537,210 below the 1945 revenues of \$769,923,409. Freight revenues were below the 1945 revenues for the first eight months, the cumulative figure being \$41,986,789 less than in 1945, but for September - December an increase of \$13,246,255 was earned. Passenger revenues started to decline in March 1945 and, except for July and August 1945, showed decreases each month to the end of 1946 when compared with revenues of the corresponding month of the previous year. The total passenger revenue for 1946 at \$99,474,928 was 20.2 p.c. or \$25,196,159 below the 1945 total. Mail revenue showed an increase of \$231,699 or 2.8 per cent, but all other items were lower than in 1945. Although freight traffic was down by 12.9 p.c., measured in ton miles, and passenger traffic declined by 27.3 p.c., freight train miles declined by only 3.7 miles and passenger train miles by 3.0 p.c. and operating expenses were reduced by only \$4,253,227 or 0.68 p.c., transportation expenses increasing by \$6,279,029 or 2.1 p.c., and general expenses by \$3,455,507 or 11.8 p.c. These increases were due largely to the 10 cents per hour wage increase effective June 1, 1946, and to higher costs of materials. Maintenance of way and structures expenses were reduced by \$8,964,341 or 6.9 p.c., and maintenance of equipment expenses by \$5,783,792 or 4.1 p.c. Charges to deferred maintenance were reduced from \$10,155,566 in 1945 to \$5,807,150 in 1946; up to the end of 1946 these two deferred maintenance accounts have accumulated to \$68,901,471. Railway tax accruals were reduced from \$29,967,453 in 1945 to \$23,974,185 and the operating income was reduced from \$106,645,913 to \$58,147,488. The average number of employees decreased from 170,166 in 1945 to 168,914 but the total pay roll increased from \$356,163,893 to \$377,770,198 or by 6.1 p.c. The average length of haul for revenue freight declined from 387 to 356 miles and the average load per loaded car mile declined from 32.5 to 29.9 tons. The smaller tonnage of grain shipped would affect both these averages. Grain constituted 13.7 p.c. of the total tonnage in 1946 as against 18.2 p.c. in 1945 (first 11 months records) and merchandise, which is a short haul, light car loading class, increased from 2.6 p.c. to 2.9 p.c. of the total. The average number of passengers per train mile declined from 136 to 102 or, excluding commuter traffic, from 135 to 102 passengers, and the average journey, excluding commuter traffic, declined from 139 to 115 miles.

**CANADIAN NATIONAL RAILWAYS:** Operating revenues of Canadian lines declined from \$383,899,990 in 1945 to \$351,701,203 or by \$32,198,787. Operating expenses were reduced from \$313,682,519 to \$310,311,372, due mainly to reductions in maintenance expenses; deferred maintenance charges were \$2,500,000 for way and structures in 1945 and none in 1946 and \$2,500,000 for equipment in 1945 and \$6,000,000 in 1946. Taxes increased from \$3,759,216 to \$4,119,008 and the operating income was reduced from \$64,204,551 to \$35,373,056 or by \$28,831,495. The United States lines showed reduced revenues and increased expenses making the system revenues \$400,586,026 as against \$433,773,394 in 1945, increasing operating expenses from \$355,294,048 to \$357,236,718 and reducing the system operating income from \$67,877,938 to \$31,558,947 or by \$36,318,991. The operating income does not include interest charges, which amounted to \$46,346,205 in 1945, and other income items.

**CANADIAN PACIFIC RAILWAY COMPANY:** Operating revenues amounted to \$294,545,601 as against \$317,406,710 in 1945. Freight revenues were down by \$9,209,144 or 4.1 per cent, and passenger revenues by \$11,492,214 or 20.3 per cent. Operating expenses were reduced by \$3,346,313 or 1.3 per cent, due mainly to reductions in maintenance expenses; charges to deferred maintenance were reduced from \$5,250,000 to nothing. Taxes were reduced from \$21,933,197 to \$16,877,264, and the operating income declined from \$36,054,334 to \$20,843,050 or by \$15,211,284. Freight traffic measured in ton miles declined by 13.8 per cent and passenger traffic declined by 25.9 per cent.



Subject to Revision

OPERATING REVENUES, EXPENSES AND STATISTICS OF CANADIAN RAILWAYS

For Twelve Months ended December 31, 1946

	ALL RAILWAYS		CANADIAN NATIONAL RAILWAYS		CANADIAN PACIFIC RAILWAY CO.	
	1946	1945	1946	1945	1946	1945
<u>OPERATING REVENUES</u>						
Freight	\$ 527,048,096	\$ 555,788,630	\$ 258,799,133	\$ 275,823,982	\$ 217,538,535	\$ 226,747,679
Passenger	99,474,928	124,671,087	46,097,577	59,486,921	44,999,771	56,491,985
Mail	8,505,122	8,273,423	3,710,774	3,633,123	4,170,574	4,037,474
Express	27,481,788	27,848,382	X 19,479,846	X 18,782,331	7,101,565	7,371,729
Other passenger train	10,551,868	12,484,433	4,317,543	5,285,763	5,999,139	6,973,859
Water line	2,673,512	2,797,987	...	...	1,424,371	1,354,792
All other	35,650,885	38,059,467	19,296,330	20,887,870	13,311,646	14,429,192
Total Railway Operating Revenues	711,386,199	769,923,409	X 351,701,203	X 383,899,990	294,545,601	317,406,710
<u>OPERATING EXPENSES</u>						
Maintenance of way and structures	120,899,410	129,863,751	57,671,304	61,173,053	50,492,658	55,602,527
Maintenance of equipment	136,153,109	141,936,901	64,550,917	68,291,675	59,198,942	62,552,681
Traffic	13,735,148	11,205,135	6,331,936	5,401,080	6,405,678	4,855,761
Transportation	301,775,920	295,496,891	159,966,553	157,749,182	117,897,963	114,725,361
Miscellaneous operations	13,514,776	15,284,419	4,357,177	5,803,891	7,879,733	8,578,037
General	32,761,946	29,306,439	17,433,485	15,263,638	12,900,540	11,807,460
Total Railway Operating Expenses	618,840,309	623,093,536	310,311,372	313,682,519	254,775,514	258,121,827
<u>OPERATING INCOME</u>						
Net operating revenue	92,545,890	146,829,873	41,389,831	70,217,471	39,770,087	59,284,883
Railway tax accruals	23,974,185	29,967,453	4,119,008	3,759,216	16,877,264	21,933,197
Hire of equipment	Dr. 8,733,824	Dr. 8,488,153	Dr. 1,922,688	Dr. 2,273,036	Dr. 1,150,667	Dr. 443,103
Joint facilities rents	Dr. 1,690,393	Dr. 1,728,354	Cr. 24,921	Cr. 19,332	Dr. 899,106	Dr. 854,249
Operating income	58,147,488	106,645,913	35,373,056	64,204,551	20,843,050	36,054,334
<u>OPERATING STATISTICS</u>						
Average miles of road operated	42,562.94	42,583.15	21,741.33	21,769.34	17,036.9	17,029.10
✓ No. of tons carried (Rev.Fr.)	154,879,308	163,434,152	66,010,011	67,827,212	51,400,892	54,822,012
No. of tons carried one mile (Rev.Fr.) Thous.	55,112,431	63,260,201	26,966,941	30,349,111	23,479,533	27,251,533
No. of tons carried one mile (All Fr.) "	59,880,508	68,295,502	29,619,197	33,158,369	25,503,062	29,382,648
Gross ton miles, excl. of locomotive & tender "	128,009,354	140,806,340	62,753,378	67,937,187	53,887,046	59,750,001
No. of revenue passengers carried	40,487,660	50,576,029	20,829,333	28,432,362	15,583,990	17,740,684
No. of revenue passengers carried one mile "	4,620,312	6,352,339	2,103,111	3,068,702	2,126,066	2,868,906

Freight train miles	77,298,582	80,283,840	37,136,712	38,481,780	33,683,901	33,018,233
Passenger train miles	45,144,522	46,541,069	21,716,915	22,583,857	20,230,251	20,794,392
Total train miles (rev. and non rev.)	124,965,490	129,662,798	60,394,912	62,702,194	54,672,577	56,712,571
Freight car miles - loaded	2,004,997,176	2,103,075,977	996,530,934	1,027,931,965	828,473,104	871,005,595
Freight car miles - empty	887,427,384	1,008,385,160	414,226,410	461,964,303	384,319,137	443,327,526
Passenger train car miles	413,848,104	446,238,698	199,623,010	221,104,520	182,089,039	193,414,737
Total amount of pay roll	\$ 377,770,198	\$ 356,163,893	\$ 205,429,076	\$ 193,663,851	\$ 147,764,775	\$ 139,645,036
Number of employees	168,914	170,166	94,680	95,260	64,192	64,400
Pay roll chargeable to rly. operating expenses	\$ 355,324,813	\$ 335,072,944	\$ 190,932,966	\$ 179,761,432	\$ 140,874,155	\$ 133,350,060
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>						
Operating revenue	\$45.79	\$49.54	\$44.32	\$48.31	\$47.37	\$51.07
Operating expenses	\$39.83	\$40.09	\$39.10	\$39.48	\$40.97	\$41.53
No. of tons moved one mile (Rev.Fr.)	3,548	4,070	3,398	3,820	3,776	4,384
No. of tons moved one mile (All Fr.)	3,854	4,394	3,732	4,173	4,101	4,727
No. of revenue passengers carried one mile	297	409	265	386	342	462
<u>AVERAGES PER FREIGHT TRAIN MILE</u>						
Freight revenue	\$6.82	\$6.92	\$6.96	\$7.17	\$6.46	\$6.48
No. of tons of freight (Rev.Fr.)	713	788	726	789	697	778
No. of tons of freight (All Fr.)	775	851	797	862	757	839
Gross ton miles	1,656	1,754	1,688	1,765	1,600	1,706
Loaded freight cars	25.9	26.2	26.8	26.7	24.6	24.9
Empty freight cars	11.5	12.6	11.1	12.0	11.4	12.7
<u>AVERAGES PER PASSENGER TRAIN MILE</u>						
Passenger train revenues	\$3.23	\$3.72	X \$3.39	X \$3.36	\$3.08	\$3.60
Passengers carried	102	136	97	136	105	138
Passenger cars	9.2	9.6	9.2	9.8	9.0	9.3
Average operating expenses per train mile	\$4.95	\$4.81	\$5.11	\$5.00	\$4.68	\$4.55
Average length of haul (Rev.Fr.) Miles	356	387	409	447	457	497
Average passenger journey Miles	114	126	101	108	136	162
Average tons per loaded freight car mile	29.9	32.5	29.7	32.3	30.8	33.7
Average freight receipt per revenue ton mile	0.956¢	0.879¢	0.960¢	0.909¢	0.927¢	0.832¢
Average passenger receipt per passenger per mile	2.153¢	1.963¢	2.192¢	1.939¢	2.117¢	1.969¢
Ratio of operating pay roll to operating revenues	49.9%	43.5%	54.3%	46.8%	47.3%	42.0%
Ratio of operating expenses to revenues	86.99%	80.93%	88.23%	81.71%	86.50%	81.32%

X Includes gross express revenue.    / Includes duplications.    m Includes \$6,242,249 retroactive pay from June to October.

/ Includes \$6,178,835 retroactive pay from June to October.

Twelve Months ended December 31, 1946



1010743519

CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For Twelve Months ended December, 1946

	1946	1945
<u>OPERATING REVENUES</u>		
Canadian Lines	\$ 351,701,203	\$ 383,899,990
United States	48,884,823	49,873,404
<u>Total</u>	400,586,026	433,772,394
<u>OPERATING EXPENSES</u>		
Canadian Lines	310,311,372	313,682,519
United States Lines	46,925,346	41,611,529
<u>Total</u>	357,236,718	355,294,048
<u>NET OPERATING REVENUE</u>		
Canadian Lines	41,389,831	70,217,471
United States Lines	1,959,477	8,261,874
<u>Total</u>	43,349,308	78,479,345
<u>OPERATING INCOME</u>		
Canadian Lines	35,373,056	64,204,551
United States Lines	Dr. 3,814,109	3,673,387
<u>Total</u>	31,558,947	67,877,938