

PROVINCE OF BRITISH COLUMBIA

---

Twenty-third Annual Report

of the Business Done in Pursuance of the

TEACHERS' PENSIONS  
ACT

for the Period

JANUARY 1 TO DECEMBER 31

1963



Printed by A. SUTTON, Printer to the Queen's Most Excellent Majesty  
in right of the Province of British Columbia.

1965

PROVINCE OF BRITISH COLUMBIA

Twenty-third Annual Report  
of the Teachers' Pension Board

# TEACHERS' PENSIONS ACT

for the period  
JANUARY 1 TO DECEMBER 31  
1951



Printed and Published by the Government of British Columbia  
at the Government Printing Office, Victoria, B.C.

# TEACHERS' PENSIONS ACT

## ANNUAL REPORT

Report of the Pension Board in Pursuance of the Teachers' Pensions Act during the Period January 1, 1963, to December 31, 1963.

To Major-General the Honourable GEORGE RANDOLPH PEARKE,  
V.C., P.C., C.B., D.S.O., M.C.,  
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully submits the Report of the business done in pursuance of the *Teachers' Pensions Act* during the period January 1, 1963, to December 31, 1963.

WESLEY D. BLACK,  
Provincial Secretary.

Provincial Secretary's Office,  
Victoria, B.C., December 10, 1964.

*The Honourable Wesley D. Black,*  
*Provincial Secretary, Victoria, B.C.*

SIR,—I have the honour to lay before you the Report of the business done in pursuance of the *Teachers' Pensions Act* during the period January 1, 1963, to December 31, 1963.

I have the honour to be,

Sir,

Your obedient servant,

W. H. FORREST,  
*Commissioner of Teachers' Pensions.*

*December 9, 1964.*

## TEACHERS' PENSIONS ACT

# ANNUAL REPORT

### Report of the Business Done in Pursuance of the Teachers' Pensions Act during the Period January 1, 1963, to December 31, 1963

*Sections 6 and 7.*—Contributions received from teachers totalled \$5,262,358.51, consisting of basic 6-per-cent contributions of \$4,987,001.16, extra and voluntary contributions of \$229,408.51, individual repayment of refunds for reinstatement of \$35,617.40, and individual 12-per-cent contributions for approved periods of leave of absence of \$10,331.44.

As at December 31, 1963, there were 14,473 teachers making current contributions, of which 93 were employed by other than school districts. In addition there were open accounts in the following categories:—

Teachers out of service less than two years .....	1,617
Teachers with deferred vested pension rights .....	131
	<hr/>
	1,748
Teachers out of service more than two years .....	1,256

*Section 8 (1).*—Employer basic contributions received from the Minister of Finance based on 13,528 teachers contributing in December, 1962, amounted to \$3,804,896.80.

*Section 8 (3).*—Employer contributions received from the British Columbia Teachers' Federation and employers other than school districts for teachers on loan, etc., amounted to \$39,347.40. As at December 31, 1963, there were 93 teachers in this category.

*Section 8 (5) and (6).*—The net rate of interest earnings of the Fund after charging administration expenses was 5.007 per cent. After crediting the Basic Account and the Employees Retirement Annuity Account with the required interest at the rate of 4 per cent amounting to \$3,216,684.23, the excess of the net interest earnings amounting to \$809,593.28 was transferred to the Investment Adjustment and Interest Reserve Account, which totalled \$1,130,687.61 as at December 31, 1963.

*Section 11.*—Superannuation allowances were granted to 100 teachers who attained retirement age. For analysis *see* statements of comparative statistics appended.

*Section 14.*—Superannuation allowances were granted to seven teachers who had become totally and permanently disabled.

*Section 15.*—Superannuation allowances were granted to the dependent in the case of nine teachers who died while still in service, and refunds totalling \$47,081.42 were made in the case of 20 teachers who died while still in service.

*Section 16.*—Refunds totalling \$681,608.03 were made to 908 teachers who left the service of their employers.

*Section 20.*—Actuarial and administration expenses paid from the Fund amounted to \$54,745.12.

*Section 25.*—The securities held by the trustees on December 31, 1963, are set out in Schedule No. 1 of this Report. During the year \$13,736,000 par value bonds were purchased, the average yield being 5.37 per cent; \$514,700 par value bonds were sold at an average yield of 4.98 per cent; and \$2,714,100 par value bonds were redeemed, resulting in a net increase of \$10,507,200 par value bonds held by the trustees between December 31, 1962, and December 31, 1963. Prices paid for securities bought or sold are determined by market conditions at the time of transfer. Every effort is made to invest the funds as soon as they become available and at the maximum yield possible at the time of purchase.

*Section 37.*—During the year two meetings of the Teachers' Pensions Board were held, at which cases involving approximately 160 individuals were dealt with and Board policy was established for guidance in the administration of the Act in respect of reinstatement of past teaching service, periods of absence, and applications to be exempt from contributing to the Fund.

W. H. FORREST,

*Commissioner of Teachers' Pensions.*

## TEACHERS' PENSIONS FUND

STATEMENT OF REVENUE AND EXPENDITURE FOR THE YEAR ENDED  
DECEMBER 31, 1963*Revenue*Contributions as per requirements of the *Teachers' Pensions Act*—

## Employee contributions—

Basic 6-per-cent contributions \$4,987,001.16

Extra and voluntary contribu-  
tions 229,408.51Repayment of refunds for rein-  
statement 35,617.40Contributions for approved pe-  
riods of leave of absence 10,331.44\$5,262,358.51

## Employer contributions—

Basic contributions \$3,804,896.80

6-per-cent contributions paid by  
employers other than school  
districts for teachers on loan,  
etc. 39,347.403,844,244.20

## Interest—

Net on investments \$4,079,755.16

On bank deposits 1,267.47

4,081,022.63\$13,187,625.34*Expenditure*

Superannuation allowance payments \$2,088,061.16

## Refunds of employee contributions—

Resignation, etc. \$681,608.03

Death in service 47,081.42

728,689.45

Transfers to Civil Service Superannuation Fund of

present value of two allowances granted 29,100.25

Actuarial and administration expenses 54,745.12

54,745.122,900,595.98Net increase of ledger assets \$10,287,029.36

## TEACHERS' PENSIONS FUND

BALANCE-SHEET AS AT DECEMBER 31, 1963

<i>Assets</i>	
Cash in bank .....	\$135,989.07
Accounts receivable—	
Due from employees, etc. ....	\$429,497.39
Due from employers .....	5,358.52
	434,855.91
Investments at cost or par—net after amortization of premiums and discounts ( <i>see</i> Schedule No. 1) (par value, \$89,317,950) .....	86,904,727.14
Accrued interest on investments .....	912,767.11
	\$88,388,339.23
<i>Liabilities</i>	
Teachers' Pensions Fund Basic Account .....	\$61,129,480.24
Employees' Retirement Annuity Account .....	26,070,981.26
Investment Adjustment and Interest Reserve Account .....	1,130,687.61
Sundry accounts payable .....	57,190.12
	\$88,388,339.23

Approved.

W. H. FORREST,  
*Superannuation Commissioner.*

G. S. SOUTAR,  
*Accountant.*

The accounts of the Teachers' Pensions Fund for the year ended December 31, 1963, have been examined under my direction. Subject to the actuarial sufficiency of the Fund and the adequacy of the prescribed tables, the above balance-sheet is, in my opinion, properly drawn up so as to exhibit a true and correct statement of the affairs of the Fund, according to the best of my information and the explanations given to me and as shown by the books of the Fund.

C. J. FERBER, C.A.,  
*Comptroller-General, Province of British Columbia.*

Victoria, B.C., December 8, 1964.



SCHEDULE No. 1.—TRUSTEES OF THE TEACHERS' PENSIONS FUND  
AND THE MINISTER OF FINANCE FOR THE PROVINCE OF  
BRITISH COLUMBIA.

SECURITIES HELD AS AT DECEMBER 31, 1963

	Par Value	Book Value
Government of Canada guaranty—Canadian National Railway Company .....	\$50,000.00	\$49,010.74
Province of British Columbia .....	56,000.00	55,535.42
Province of British Columbia guaranty—		
British Columbia Power Commission .....	7,688,500.00	7,606,528.72
British Columbia Electric Company Limited .....	937,750.00	846,407.37
British Columbia Hydro and Power Authority .....	21,197,000.00	20,620,266.30
British Columbia Toll Highways and Bridges Authority .....	1,056,000.00	1,054,863.55
Pacific Great Eastern Railway Company .....	4,906,000.00	4,791,003.98
Greater Vancouver Water District .....	2,028,000.00	2,006,128.90
Greater Vancouver Sewerage and Drainage District .....	1,614,000.00	1,608,941.40
British Columbia School Districts Capital Financing Authority .....	2,220,000.00	2,186,700.00
British Columbia school districts serials .....	40,501,200.00	39,063,676.28
British Columbia municipal serials .....	2,548,500.00	2,455,274.82
British Columbia hospital improvement district serials .....	480,000.00	479,040.00
British Columbia irrigation and waterworks district serials .....	242,000.00	240,781.00
Province of Alberta guaranty—Alberta Municipal Financing Corporation .....	14,000.00	13,634.92
Province of Manitoba .....	553,000.00	553,000.00
Province of Ontario .....	30,000.00	30,185.79
Province of Ontario guaranty—Ontario Municipal Improvement Corporation .....	3,196,000.00	3,243,747.95
	<u>\$89,317,950.00</u>	<u>\$86,904,727.14</u>

SCHEDULE No. 2.—TEACHERS' PENSIONS FUND  
COMPARATIVE STATISTICS, JANUARY 1, 1941, TO DECEMBER 31, 1963

Fiscal Year	Contributions			Withdrawals		Allowances					
	Number of Contributions at End of Fiscal Year	Minister of Finance (Sec. 4)	Employer	Employees	Employees' Special %	Number	Amount Retained	Number Granted During Year	Deaths and Expirations during Year	Number in Force at End of Year	Amount Paid
1941	4,198	\$141,514		\$297,852	—	302	\$92,849	61	10	340	\$158,452
1943	4,544	130,494	\$461,472	317,305	\$64,170	272	62,500	39	10	397	190,496
1945	4,609	121,304	535,473	369,607	75,958	489	93,984	57	13	463	225,230
1947	5,342	109,796	759,506	525,893	108,538	622	125,937	57	14	541	273,593
1949	6,645	97,958	1,033,099	677,367	147,537	433	115,542	46	13	603	319,158
1951	7,581	88,810	1,325,133	908,216	189,091	497	134,231	54	16	672	440,312
1953	8,644	77,029	1,573,606	1,384,581	262,420	528	165,874	39	32 <sup>1</sup>	725	752,134
1955	10,009	66,086	1,965,776	1,749,336	328,681	554	208,845	51	23	769	848,082
1956	10,871	61,195	2,165,528	1,915,977	360,987	593	281,237	47	26	790	894,177
1957	10,327	56,840	2,555,055	2,243,943	425,782	604	299,930	63	25	828	939,787
1958	10,028	52,504	2,836,071	2,734,155	513,928	579	327,072	42	28	842	1,207,393
1959	10,354	48,875	3,292,889	3,170,828	593,715	627	367,236	58	25	875	1,191,586
1960	11,822	46,300	3,480,676	3,581,528	672,691	724	410,682	67	20	922	1,286,831
1961	12,319	—	3,435,686	4,539,264	—	767	513,719	91	23	990	1,866,428
1962	12,844	—	3,623,714	4,820,116	—	857	594,097	88	25	1,053	1,899,974
1963	13,611	—	3,844,244	5,262,358	—	928	728,689	116	39	1,130	2,088,061

<sup>1</sup> Expirations include allowances rescinded: 1953, 13; 1954, 1.

<sup>2</sup> Non-active open accounts of teachers who have been out of service less than two years.

<sup>3</sup> Non-active open accounts of teachers who have been out of service over two years.

## SCHEDULE No. 3—TEACHERS' PENSIONS FUND

COMPARATIVE STATISTICS, JANUARY 1, 1954, TO DECEMBER 31, 1963—ALLOWANCES GRANTED AND IN FORCE, SUBDIVIDED BY TYPE AND PLAN OF ALLOWANCE

Fiscal Year	Granted during Year				Expired during Year				In Force at End of Year			
	Single Life	Guaranteed	Joint Life and Modified	Temporary Annuity	Single Life	Guaranteed	Joint Life and Modified	Temporary Annuity	Single Life	Guaranteed	Joint Life and Modified	Temporary Annuity
1954—												
Normal retirement.	3	2	—	32	13	3	2	4	215	155	59	131
Disability	2	—	1	—	5	—	1	—	65	28	17	—
Death	3	—	1	—	—	—	—	—	69	—	2	—
Totals	8	2	2	32	18	3	3	4	349	183	78	131
1955—												
Normal retirement.	—	4	1	39	11	5	—	—	126	114	58	286
Disability	2	—	—	—	3	3	1	—	69	25	15	—
Death	3	—	—	2	—	—	—	—	72	—	2	—
Totals	5	4	1	41	14	8	1	—	267	139	75	288
1956—												
Normal retirement.	3	4	1	35	10	3	2	3	119	115	57	318
Disability	3	—	—	—	6	2	—	—	66	23	15	—
Death	1	—	—	—	—	—	—	—	73	—	2	—
Totals	7	4	1	35	16	5	2	3	258	138	74	320
1957—												
Normal retirement.	4	2	1	46	7	4	3	6	116	113	55	358
Disability	4	—	—	—	5	—	—	—	65	23	15	—
Death	5	—	—	1	—	—	—	—	78	—	2	—
Totals	13	2	1	47	12	4	3	6	259	136	72	361
1958—												
Normal retirement.	5	4	1	27	6	8	—	4	115	109	56	381
Disability	2	—	—	—	5	2	1	—	62	21	14	—
Death	3	—	—	—	1	—	—	—	80	—	2	—
Totals	10	4	1	27	12	10	1	5	257	130	72	383
1959—												
Normal retirement.	4	3	1	49	5	8	—	6	114	104	57	424
Disability	—	—	—	—	3	—	1	—	59	21	13	—
Death	1	—	—	—	2	—	—	—	79	—	2	—
Totals	5	3	1	49	10	8	1	6	252	125	72	426
1960—												
Normal retirement.	10	7	2	45	4	8	—	5	120	103	59	464
Disability	—	—	—	—	—	2	—	—	59	19	13	—
Death	2	—	—	1	1	—	—	—	80	—	2	—
Totals	12	7	2	46	5	10	—	5	259	122	74	467
1961—												
Normal retirement.	11	13	3	50	5	8	—	5	126	108	62	509
Disability	—	6	2	—	1	1	—	—	58	24	15	—
Death	—	—	5	1	3	—	—	—	77	—	7	—
Totals	11	19	10	51	9	9	—	5	261	132	84	513
1962—												
Normal retirement.	13	7	3	59	8	3	3	2	111	112	62	566
Disability	—	3	—	—	3	1	—	—	55	26	15	—
Death	—	—	3	—	5	—	—	—	72	—	10	—
Totals	13	10	6	59	16	4	3	2	258	138	87	570
1963—												
Normal retirement.	8	14	1	77	5	4	3	18	134	122	60	625
Disability	—	5	2	—	3	2	1	—	52	29	16	—
Death	—	—	7	2	3	—	—	—	69	—	17	—
Totals	8	19	10	79	11	6	4	18	255	151	93	631

<sup>1</sup> From 1955 the figures are on actual count by plan in force, including those changed to temporary annuity effective January 1, 1952.

## SCHEDULE No. 4.—TEACHERS' PENSIONS FUND

COMPARATIVE STATISTICS, JANUARY 1, 1947, TO DECEMBER 31, 1963,  
SUBDIVIDED ACCORDING TO SEX OF CONTRIBUTOR

Fiscal Year	Number of Contributors		Number of Refunds Granted		Allowances					
	Male	Female	Male	Female	Number of Allowances Granted		Number of Deaths and Expirations		Number of Allowances in Force at End of Year	
					Male	Female	Male	Female	Male	Female
1947	2,100	3,842	118	504	26	31	4	10	222	319
Non-active	169	438	—	—	—	—	—	—	—	—
1948	2,135	4,012	111	444	25	19	11	4	236	334
Non-active	170	532	—	—	—	—	—	—	—	—
1949	2,385	4,260	71	362	21	25	5	8	252	351
Non-active	129	711	—	—	—	—	—	—	—	—
1950	2,724	4,561	52	359	24	25	5	13	271	363
Non-active	105	630	—	—	—	—	—	—	—	—
1951	2,976	4,605	85	412	25	29	6	10	289	383
Non-active	148	898	—	—	—	—	—	—	—	—
1952	3,159	4,856	70	376	28	36	9	9	308	410
Non-active	174	972	—	—	—	—	—	—	—	—
1953	3,384	5,260	59	469	27	12	10	22 <sup>1</sup>	325	400
Non-active	93	622	—	—	—	—	—	—	—	—
1954	3,668	5,593	54	436	27	17	10	18 <sup>1</sup>	342	399
Non-active	146	777	—	—	—	—	—	—	—	—
1955	4,055	5,954	76	478	28	23	14	9	357	412
Non-active <sup>2</sup>	148	466	—	—	—	—	—	—	—	—
1956	4,397	6,474	93	500	21	26	9	17	369	421
Non-active <sup>3</sup>	147	668	—	—	—	—	—	—	—	—
1957	4,305	6,022	103	501	23	40	12	13	383	445
Non-active <sup>2</sup>	330	1,070	—	—	—	—	—	—	—	—
Non-active <sup>3</sup>	201	801	—	—	—	—	—	—	—	—
1958	4,629	6,338	96	483	21	21	14	14	390	452
Non-active <sup>2</sup>	330	1,305	—	—	—	—	—	—	—	—
Non-active <sup>3</sup>	234	879	—	—	—	—	—	—	—	—
1959	4,982	6,660	103	524	19	39	12	13	397	478
Non-active <sup>1</sup>	409	1,321	—	—	—	—	—	—	—	—
Non-active <sup>2</sup>	169	810	—	—	—	—	—	—	—	—
1960	5,291	6,890	123	601	18	49	11	9	404	518
Non-active <sup>1</sup>	473	1,407	—	—	—	—	—	—	—	—
Non-active <sup>2</sup>	233	1,036	—	—	—	—	—	—	—	—
1961	5,638	7,206	131	636	30	61	9	14	425	565
Non-active <sup>1</sup>	479	1,341	—	—	—	—	—	—	—	—
Non-active <sup>2</sup>	325	1,321	—	—	—	—	—	—	—	—
1962	5,998	7,613	166	691	25	63	12	13	438	615
Non-active <sup>2</sup>	490	1,264	—	—	—	—	—	—	—	—
Non-active <sup>3</sup>	422	1,594	—	—	—	—	—	—	—	—
1963	6,446	8,027	199	729	39	77	16	23	461	669
Non-active <sup>2</sup>	493	1,255	—	—	—	—	—	—	—	—
Non-active <sup>3</sup>	222	1,034	—	—	—	—	—	—	—	—

<sup>1</sup> Expirations include allowances rescinded: 1953, 13; 1954, 1.<sup>2</sup> Non-active open accounts of teachers out of service less than two years.<sup>3</sup> Non-active open accounts of teachers out of service more than two years.Printed by A. SUTTON, Printer to the Queen's Most Excellent Majesty  
in right of the Province of British Columbia.

1965

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1912  
 THE UNIVERSITY OF CHICAGO  
 DEPARTMENT OF CHEMISTRY  
 LABORATORY OF PHYSICAL CHEMISTRY  
 CHICAGO, ILL.

No.	Name	Formula	Molecular Weight		Density	Boiling Point	Melting Point	Refractive Index	Optical Rotation
			Calcd.	Found					
1	Acetic Acid	$\text{C}_2\text{H}_4\text{O}_2$	60.05	60.0	1.049	118.1	17.0	1.371	-17.5
2	Formic Acid	$\text{C}_1\text{H}_2\text{O}_2$	46.03	46.0	1.220	100.8	8.4	1.360	-16.2
3	Propionic Acid	$\text{C}_3\text{H}_6\text{O}_2$	74.08	74.0	0.989	141.3	-18.5	1.398	-16.5
4	Butyric Acid	$\text{C}_4\text{H}_8\text{O}_2$	100.12	100.0	0.882	163.5	-7.9	1.412	-16.0
5	Pentanoic Acid	$\text{C}_5\text{H}_{10}\text{O}_2$	116.16	116.0	0.824	186.2	1.0	1.424	-15.5
6	Hexanoic Acid	$\text{C}_6\text{H}_{12}\text{O}_2$	132.20	132.0	0.770	205.4	3.5	1.434	-15.0
7	Heptanoic Acid	$\text{C}_7\text{H}_{14}\text{O}_2$	148.24	148.0	0.720	224.7	6.0	1.443	-14.5
8	Octanoic Acid	$\text{C}_8\text{H}_{16}\text{O}_2$	164.28	164.0	0.672	244.0	8.5	1.451	-14.0
9	Nonanoic Acid	$\text{C}_9\text{H}_{18}\text{O}_2$	180.32	180.0	0.628	263.3	11.0	1.458	-13.5
10	Decanoic Acid	$\text{C}_{10}\text{H}_{20}\text{O}_2$	196.36	196.0	0.588	282.6	13.5	1.464	-13.0

Prepared by \_\_\_\_\_  
 Checked by \_\_\_\_\_  
 Date \_\_\_\_\_

GOVERNMENT OF BRITISH COLUMBIA

Sixty-eighth Annual Report of the

# Public Health Officer General of British Columbia

JOHN T. MCLEOD

DEPARTMENT OF HEALTH SERVICES AND COMMUNITY DEVELOPMENT

YEAR ENDING DECEMBER 31

1984



Printed by the Queen's Printer at Vancouver, British Columbia  
In fulfillment of the provisions of the Access to Information Act

