

LABORERS ' AND RETIREMENT BOARD
EMPLOYEES ' ANNUITY AND
BENEFIT FUND
ACTUARIAL STATEMENT
AS OF
DECEMBER 31, 1972

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October 25, 1973

The Retirement Board of the
Laborers' and Retirement Board
Employees' Annuity and Benefit
Fund of Chicago
Chicago, Illinois

Gentlemen:

This is to certify that the Actuarial Statement of the Laborers' and Retirement Board Employees' Annuity and Benefit Fund as of December 31, 1972, appended hereto, consisting of the exhibits as stated hereinafter, is to the best of my knowledge and belief a true and correct statement of the affairs and conditions of said Fund for the calendar year 1972.

<u>Exhibit</u>	<u>Title</u>	<u>Page</u>
A	Assets and Liabilities.....	1--2
B	Income and Expenditures.....	3--4
C	Gain and Loss.....	5--6
D	Comparative Analysis - Assets and Liabilities.....	7--8
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This statement has been prepared from the books of the Fund as substantiated by our letters of recommendation to the Retirement Board and by the data processing entries and closing journal entries prepared by our office.

The method of valuation used is based on the actuarial assumptions and methods shown on page eleven of this report. The attempt is made to give effect to realistic valuation factors affecting costs. The accounting procedure is outlined in the Article governing the operations of the Fund.

On this basis of valuation the unfunded liability or obligation for service rendered prior to valuation date, December 31, 1972, amounted to \$52,088,002.01. This is an increase of \$3,695,473.42 over the unfunded liability as of December 31, 1971.

The ratio of assets to total Fund liabilities as of December 31, 1972 was 69.8%. As of December 31, 1971 the ratio was 69.5%.

The net increase in unfunded liability resulted primarily from the following reasons.

1. A decrease in the book value of bonds at date of sale of \$740,692.85 increased the unfunded to this extent. As the proceeds were invested in bonds with greater rates of coupons the Fund's income will materially increase over the income that would have been received had the bonds sold been retained in the Fund. And,
2. An increase in salaries over the three percent per year assumed in the new salary scale.

The service tables indicate rates of retirement such that for male employees about one-half of the employees retire before age sixty-five and for female employees about one-half before age sixty-four.

If the average age for retirement decreases in the future from these ages, the costs will be increased.

The salary scale used in this valuation is based on the assumption that salaries will increase each year in the future due to general salary increases as well as promotional increases for as long as an employee stays in the service at the rate of 3% a year.

Actual general salary increases in the past have been at a rate substantially greater than 3%.

An operating factor which will decrease the unfunded liability will be the extent to which the Fund's assets yield annual earnings greater than the 4-1/2% assumption used in the cost computations, all other cost assumptions remaining the same.

The yield on the Fund's assets for the year was 5.07% if the decrease in book value on date of sale is used in determining the rate. The corresponding rate in 1971 was 4.14%.

The use of a 4-1/2% interest rate and a 3% salary scale for the valuation as of December 31, 1972 gives a fair valuation for the long range effects of these two highly important cost factors, in my opinion.

A 3% salary scale has been chosen as an increasing number of economists are now of the opinion that future salaries will increase at least 3% a year. Some believe 5% a year is an appropriate long-range rate. The recently enacted 1972 Social Security Amendments allow for automatic increases in pensions and salary bases as the cost of living increases. Social Security studies, I have been informed, are based on future salary earnings of 5%.

Greater fund investment earnings in the future over a 4-1/2% rate will reduce increased costs resulting from salary increases over 3% compounded per year.

Page Three.

Greater increases in salaries than the 3% rate used, with all other assumptions remaining the same, will result in increases in normal costs at the time such increases are granted with the extent of the increases depending on the extent of the increases over 3%.

On the basis of the actuarial assumptions and methods set forth on page eleven I estimate that the tax levy multiple of 1.37 currently in the law, such to become effective in the year 1978 and thereafter, will be sufficient to keep the unfunded liability from substantially increasing under the cost assumptions set forth in this report.

Future analysis of the Fund's operating experience will indicate changes necessary in the Fund's method of financing which can be made in time to meet all future Fund obligations.

Respectfully submitted,

A handwritten signature in dark ink, appearing to be "J. J. [unclear]", written over a horizontal line.

Actuary.

LABORERS' AND RETIREMENT BOARD

EMPLOYEES' ANNUITY AND

BENEFIT FUND

ACTUARIAL

BALANCE SHEET

AS OF

DECEMBER 31, 1972

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

ACTUARIAL BALANCE SHEET

ASSETS

AS OF DECEMBER 31, 1972

CASH ON DEPOSIT		\$(379,899.30)
ACCOUNTS RECEIVABLE:		
Salary Deductions Accrued	\$ 609,253.37	
Miscellaneous from Employees	<u>88,856.67</u>	
Total Accounts Receivable		698,110.04
INTEREST RECEIVABLE:		
Accrued Interest on Bonds		1,998,992.54
INVESTMENTS:		
Bonds - Par Value	\$113,172,380.00	
Bonds - Premiums and Discounts	(2,718,365.96)	
Common Stocks	<u>3,083,919.11</u>	
Total Investments		113,537,933.15
TAXES RECEIVABLE - (Exhibit F, Page 10)		
City:		
Uncollected Taxes	\$ 9,338,313.90	
Reserve for Loss and Cost of Collection	<u>4,002,555.00</u>	
Net Taxes Receivable		5,335,758.90
Park District:		
Uncollected Taxes	\$ 42,030.11	
Reserve for Loss and Cost of Collection	<u>20,336.75</u>	
Net Taxes Receivable		<u>21,693.36</u>
GROSS LEDGER ASSETS		\$121,212,588.69
LESS - ACCOUNTS PAYABLE:		
Miscellaneous to Employees	\$ 1,138,375.94	
Military Service Deductions - Excess	<u>1,557.71</u>	
Total		<u>1,139,933.65</u>
NET LEDGER ASSETS DECEMBER 31, 1972		<u>\$120,072,655.04</u>

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

ACTUARIAL BALANCE SHEET

LIABILITIES AND FUND BALANCE

AS OF DECEMBER 31, 1972

FOR SERVICE AFTER JULY 1, 1935:

LIABILITIES RESERVES:

ANNUITY PAYMENT FUND ACCOUNT:

Employee Annuitants	\$11,662,099.86	
Employee Annuities Fixed	4,915,834.68	
Widow Annuitants	5,861,977.68	
Wives' Annuities Fixed	<u>2,798,584.69</u>	
Total Annuity Payment Fund		\$ 25,238,496.91

SALARY DEDUCTION FUND ACCOUNT:

Employees	\$37,595,901.95	
Wives of Employees	<u>7,136,404.30</u>	
Total Salary Deduction Fund		44,732,306.25

CITY CONTRIBUTIONS FUND ACCOUNT:

Employees	\$37,850,061.22	
Wives of Employees	11,296,504.26	
Supplemental Annuities	<u>8,785.36</u>	
Total City Contributions Fund		49,155,350.84

OTHER RESERVES:

Annuity Payment Fund Account	\$ 3,779,097.34	
Child's Annuity Fund Account	0	
Duty Disability Fund Account	0	
Expense of Administration Account	0	
Investments & Interest Fund Acct.	0	
Ordinary Disability Fund Account	<u>0</u>	
Total Other Reserves		<u>3,779,097.34</u>

TOTAL LIABILITY AND SURPLUS RESERVES

FOR SERVICE AFTER JULY 1, 1935	\$122,905,251.34
SUPPLEMENTARY PAYMENT RESERVE	75,034.99

FOR SERVICE PRIOR TO JULY 1, 1935 AND MINIMUM ANNUITIES:

PRIOR SERVICE FUND ACCOUNT:

Estimated Excess Liability (1)	\$33,794,231.83	
Employee Annuitants	11,768,050.02	
Employee Annuities Fixed	63,293.04	
Widow Annuitants	794,933.15	
Wives' Annuities Fixed	689,808.72	
Contributions for Employees	14,244.46	
Contributions for Wives	6,812.62	
Salary Deductions for 2% Annuity	<u>2,048,996.88</u>	
Total Prior Service Fund		\$ 49,180,370.72

DEDUCT: Obligations of Fund for Prior

Service Fund Liabilities, Includes		
Age and Service (\$1,069,279.48)	<u>(52,088,002.01)</u>	<u>(2,907,631.29)</u>

TOTAL NET LIABILITIES AND FUND BALANCES

DECEMBER 31, 1972	<u>\$120,072,655.04</u>
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(1) For minimum annuity provisions and for other reserves.

LABORERS' AND RETIREMENT BOARD

EMPLOYEES' ANNUITY AND

BENEFIT FUND

INCOME

YEAR 1972

INCOME

And

EXPENDITURES

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

INCOME

YEAR 1972

SALARY DEDUCTIONS:

Employees	\$ 4,588,739.53	
Wives of Employees	897,423.05	
2% Retirement Annuity	<u>352,980.33</u>	
Total Salary Deductions		\$ 5,839,142.91

PAYMENTS BY EMPLOYEES FOR TEMPORARY
SERVICE AND REFUND REPAYMENTS

89,242.93

CITY CONTRIBUTIONS (\$4,647,201.22)
PARK CONTRIBUTIONS (\$ 18,875.00)

Employee Annuities	\$ 4,110,900.99	
Wife Annuities	1,225,184.03	
Child Annuities	90,066.00	
Duty Disability	186,432.30	
Ordinary Disability	762,646.55	
Expense of Administration	208,277.99	
Interest on Income	93,157.56	
Deficiency in Current Requirements	<u>(2,010,589.20)</u>	
Total Contributions		4,666,076.22

FEDERAL CONTRIBUTIONS

127,058.66

INCOME ON INVESTMENTS:

Bond Interest (Note #1)	<u>5,391,546.87</u>	
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TOTAL INCOME YEAR 1972

\$16,113,067.59

TOTAL EXPENDITURES YEAR 1972

6,425,128.91

TOTAL EXCESS INCOME OVER EXPENDITURES

\$ 9,687,938.68

LESS: INCREASE IN NET TAXES RECEIVABLE FOR PRIOR YEARS

(38,324.13)

NET EXCESS INCOME OVER EXPENDITURES YEAR 1972

\$ 9,649,614.55

Note #1 - This amount includes an amount of \$740,692.85 deducted from bond interest which represents the difference between the book value and proceeds from sales of bonds. The proceeds were invested in bonds with greater rates of coupons which will result in material gains to the Fund in the future.

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

EXPENDITURES

YEAR 1972

BENEFITS PAID:

Annuities - Employees	\$3,166,939.18	
Annuities - Widows	741,590.18	
Compensation Widows' Annuities	4,284.56	
Child's Annuities	90,066.00	
Duty Disability Benefits	181,724.03	
Ordinary Disability Benefits	760,772.32	
Supplementary Payment Annuities	<u>75,820.75</u>	
Total Benefits Paid		\$5,021,197.02

Less: Reimbursement Reciprocal Account
Net Annuities Paid

	<u>6,280.48</u>	\$5,014,916.54
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EXPENSE OF ADMINISTRATION:

Salaries	\$ 63,228.71	
Survey	4,200.00	
Audit	3,500.00	
Investment Counsel	11,750.00	
Postage	4,000.00	
Actuarial Department	89,445.53	
Printing and Stationery	4,677.43	
Telephone	886.23	
Rent	17,367.48	
Miscellaneous	2,940.63	
Office Supplies	2,053.12	
Office Equipment and Repairs	1,346.92	
Blue Cross and Blue Shield	<u>2,881.94</u>	
Total Expense of Administration		\$ 208,277.99

REFUNDS

	<u>1,201,934.38</u>	<u>1,410,212.37</u>
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TOTAL EXPENDITURES YEAR 1972

\$6,425,128.91

LABORERS' AND RETIREMENT BOARD

EMPLOYEES' ANNUITY AND

BENEFIT FUND

GAIN AND LOSS

YEAR 1972

GAINS

AND

LOSSES

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

GAIN AND LOSSYEAR 1972

OTHER RESERVE BALANCES

AS OF DECEMBER 31, 1972

Annuity Payment Fund	\$	0	
Expense Fund		0	
Investment and Interest Fund		0	
Ordinary Disability Fund		0	
Prior Service Annuity Fund		<u>(52,088,002.01)</u>	
Total			\$(52,088,002.01)

SURPLUS BALANCES AS OF

JANUARY 1, 1972

Annuity Payment Fund	\$	0	
Expense Fund		0	
Investment and Interest Fund		0	
Ordinary Disability Fund		0	
Prior Service Annuity Fund		<u>(48,392,528.59)</u>	
Total			<u>(48,392,528.59)</u>

NET LOSS YEAR 1972

\$(3,695,473.42)

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

ESTIMATED ANALYSIS OF GAIN AND LOSS

YEAR 1972

GAIN BECAUSE OF ANNUITY AND BENEFIT PURPOSES:	P.S.A.F. and A.P.F.
Mortality Employee Annuitants*	\$(458,270.58)
Mortality Employees' Annuities Fixed	(96,176.92)
Mortality Widow Annuitants	(397,773.07)
Mortality Wives' Annuities Fixed	75,446.01
Excess Contributions on Refunds - Age and Service	1,105,036.42
Excess Contributions When Annuities Are Fixed	286,447.75
Refunds After Fixed	(97,762.16)
Salary Deductions - After Fixed	<u>255,730.80</u>
 Total Gain Because of Safeguards	 \$ 672,678.25
 GAIN IN INVESTMENT AND INTEREST FUND ACCOUNT	 1,761,572.21
 TRANSFER TO SUPPLEMENTARY PAYMENT RESERVE	 0
 TAX REQUIREMENT PURPOSES:	
Interest on Deferred Obligations	\$(2,041,633.83)
City Current Contribution Deficiency Age Service	<u>(2,010,589.20)</u>
 Total Tax Requirement Purposes	 (4,052,223.03)
 ADD: INCREASE in Present Value Excess Minimum Annuity	 (2,478,705.03)
LESS: INCREASE in Annuity Payment Fund Other Reserve	439,528.31
ADD: INCREASE in Taxes Receivable Prior Years	<u>(38,324.13)</u>
 TOTAL NET LOSS YEAR 1972	 <u>\$(3,695,473.42)</u>

* Based on American Experience 4% Tables.

LABORERS' AND RETIREMENT BOARD

EMPLOYEES' ANNUITY AND

BENEFIT FUND

COMPARATIVE ANALYSIS

YEAR 1972

ASSETS

AND

LIABILITIES

LABORERS' AND RETIREMENT BOARD EMPLOYEES ANNUITY AND BENEFIT FUND

COMPARATIVE ANALYSIS

	<u>ASSETS</u>		Increase or (Decrease)
	<u>Jan. 1, 1972</u>	<u>Dec. 31, 1972</u>	
CASH ON DEPOSIT	\$ 510,755.40	\$ (379,899.30)	\$ (890,654.70)
ACCOUNTS RECEIVABLE:			
Salary Deductions Accrued	\$ 496,901.41	\$ 609,253.37	\$ 112,351.96
Miscellaneous from Employees	91,426.84	88,856.67	(2,570.17)
Total Accounts Receivable	<u>\$ 588,328.25</u>	<u>\$ 698,110.04</u>	<u>\$ 109,781.79</u>
INTEREST RECEIVABLE:			
Accrued Interest on Bonds	\$ 1,181,678.58	\$ 1,998,992.54	\$ 817,313.96
Accrued Interest on Tax			
Anticipation Warrants	0	0	0
Due Bond Interest Receivable	0	0	0
Total Interest Receivable	<u>\$ 1,181,678.58</u>	<u>\$ 1,998,992.54</u>	<u>\$ 817,313.96</u>
INVESTMENTS:			
Bonds--Par Value	\$106,753,645.31	\$116,256,299.11	\$ 9,502,653.80
Bonds--Premiums and Discounts	(2,313,262.46)	(2,718,365.96)	(405,103.50)
Total Investments	<u>\$104,440,382.85</u>	<u>\$113,537,933.15</u>	<u>\$ 9,097,550.30</u>
TAXES RECEIVABLE:			
City:			
Uncollected Taxes	\$ 8,552,965.80	\$ 9,338,313.90	\$ 785,348.10
Reserve for Loss and Cost of Collection	3,768,267.00	4,002,555.00	234,288.00
Net Taxes Receivable	<u>\$ 4,784,698.80</u>	<u>\$ 5,335,758.90</u>	<u>\$ 551,060.10</u>
Park District:			
Uncollected Taxes	\$ 44,969.47	\$ 42,030.11	\$ (2,939.36)
Reserve for Loss and Cost of Collection	24,149.46	20,336.75	(3,812.71)
Net Taxes Receivable	<u>\$ 20,820.01</u>	<u>\$ 21,693.36</u>	<u>\$ 873.35</u>
GROSS LEDGER ASSETS	<u>\$111,526,663.89</u>	<u>\$121,212,588.69</u>	<u>\$ 9,685,924.80</u>
LESS--ACCOUNTS PAYABLE:			
Miscellaneous to Employees	\$ 1,102,065.69	\$ 1,138,375.94	\$ 36,310.25
Military Service Deductions - Excess from Refunds	1,557.71	1,557.71	0
Total Accounts Payable	<u>\$ 1,103,623.40</u>	<u>\$ 1,139,933.65</u>	<u>\$ 36,310.25</u>
NET LEDGER ASSETS	<u>\$110,423,040.49</u>	<u>\$120,072,655.04</u>	<u>\$ 9,649,614.55</u>

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

COMPARATIVE ANALYSISLIABILITIES AND FUND BALANCES

	<u>Jan. 1, 1972</u>	<u>Dec. 31, 1972</u>	Increase or (Decrease)
FOR SERVICES AFTER JULY 1, 1935:			
LIABILITY RESERVES:			
ANNUITY PAYMENT FUND ACCOUNT:			
Employee Annuities	\$ 10,041,986.38	\$ 11,662,099.86	\$ 1,620,113.48
Employees' Annuities Fixed	4,697,919.96	4,915,834.68	217,914.72
Widow Annuitants	5,081,546.07	5,861,977.68	780,431.61
Wives' Annuities Fixed	2,442,341.15	2,798,584.69	356,243.54
Total Annuity Payment Fund	<u>\$ 22,263,793.56</u>	<u>\$ 25,238,496.91</u>	<u>\$ 2,974,703.35</u>
SALARY DEDUCTION FUND ACCOUNT:			
Employees	\$ 34,729,652.83	\$ 37,595,901.95	\$ 2,866,249.12
Wives of Employees	6,495,255.41	7,136,404.30	641,148.89
Total Salary Deduction Fund	<u>\$ 41,224,908.24</u>	<u>\$ 44,732,306.25</u>	<u>\$ 3,507,398.01</u>
CITY CONTRIBUTION FUND ACCOUNT:			
Employees	\$ 35,362,972.92	\$ 37,850,061.22	\$ 2,487,088.30
Wives of Employees	10,509,169.48	11,296,504.26	787,334.78
Supplemental Annuities	4,746.25	8,785.36	4,039.11
Total City Contribution Fund	<u>\$ 45,876,888.65</u>	<u>\$ 49,155,350.84</u>	<u>\$ 3,278,462.19</u>
OTHER RESERVES:			
Annuity Payment Fund Account	\$ 3,339,569.03	\$ 3,779,097.34	\$ 439,528.31
Child's Annuity Fund Account	0	0	0
Duty Disability Fund Account	0	0	0
Investment and Interest Account	0	0	0
Expense of Administration Account	0	0	0
Ordinary Disability Fund Account	0	0	0
Total Other Reserves	<u>\$ 3,339,569.03</u>	<u>\$ 3,779,097.34</u>	<u>\$ 439,528.31</u>
TOTAL LIABILITY AND OTHER RESERVES FOR SERVICE AFTER JULY 1, 1935	<u>\$112,705,159.48</u>	<u>\$122,905,251.34</u>	<u>\$10,200,091.86</u>
SUPPLEMENTARY RESERVE	<u>\$ 150,855.74</u>	<u>\$ 75,034.99</u>	<u>\$ (75,820.75)</u>
PRIOR SERVICE FUND ACCOUNT:			
Estimated Excess Minimum			
Annuity Provision	\$ 33,280,215.43	\$ 33,794,231.83	\$ 514,016.40
Employee Annuitants	9,523,068.99	11,768,050.02	2,244,981.03
Employees' Annuities Fixed	73,806.84	63,293.04	(10,513.80)
Widow Annuitants	720,464.14	794,933.15	74,469.01
Wives' Annuities Fixed	554,976.11	689,808.72	134,832.61
Contributions for Employees	22,010.85	14,244.46	(7,766.39)
Contributions for Wives	9,984.29	6,812.62	(3,171.67)
Salary Deductions for 2% Annuity	1,775,027.21	2,048,996.88	273,969.67
Total Prior Service Fund	<u>\$ 45,959,553.86</u>	<u>\$ 49,180,370.72</u>	<u>\$ 3,220,816.86</u>
DEDUCT: (PER CONTRA):			
Obligations of City for Prior Service Credits	<u>\$(48,392,528.59)</u>	<u>\$(52,088,002.01)</u>	<u>\$(3,695,473.42)</u>
NET LIABILITIES FOR SERVICE PRIOR TO JULY 1, 1935	<u>\$(2,432,974.73)</u>	<u>\$(2,907,631.29)</u>	<u>\$(474,656.56)</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>\$110,423,040.49</u>	<u>\$120,072,655.04</u>	<u>\$ 9,649,614.55</u>

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

CASH RECONCILIATION

RECEIPTS AND DISBURSEMENTS

YEAR 1972

Balance as of January 1, 1972

\$ 510,755.40

RECEIPTS:

Salary Deductions:

Errors in Deductions	\$ 211,981.36
Salary Deductions	5,704,625.19
Interest on Bonds	5,222,679.09
Dividends on Stocks	22,643.50
Installments on Taxes - City	4,058,101.83
Installments on Taxes - Park	17,716.81
Treasurer's Receipts	97,795.82
Cancelled Checks	31,367.77
Bonds Matured and Redeemed (Par Value)	35,618,000.00
Bonds Sold	50,189,002.06
Emergency Employee Account	127,058.66
Forged Checks	<u>91.19</u>

Total Receipts

\$101,301,063.28

DISBURSEMENTS:

Annuities - Employees	\$ 3,258,266.25
Annuities - Widows	750,877.30
Annuities - Children	90,066.00
O. D. Benefits	636,025.68
D. D. Benefits	152,067.10
Refunds	1,520,404.43
Operating Expenses	208,277.99
Securities Purchased - Par Value	93,675,020.00
Premiums - Bonds Purchases	(738,202.05)
Accrued Interest Purchased	169,190.29
Reimbursement Forged Checks	91.19
Stocks Purchased	<u>2,469,633.80</u>

Total Disbursements

102,191,717.98

Excess Disbursements Over Receipts

(890,654.70)

Balance December 31, 1972

\$(379,899.30)

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND

TAXES RECEIVABLE

DECEMBER 31, 1972

TAXES RECEIVABLE - CITY:

	<u>Collected</u> <u>12/31/72</u>	<u>Estimate For</u> <u>Loss and Cost</u> <u>12/31/71</u>	<u>Additional</u> <u>Estimate</u> <u>Set Up</u> <u>12/31/72</u>	<u>Total Estimate</u> <u>For</u> <u>Loss and Cost</u> <u>12/31/72</u>	<u>Net Taxes</u> <u>Receivable</u> <u>12/31/72</u>
1963	\$ 316,138.32	\$ 307,389.00	\$	\$ 307,389.00	\$ 8,749.32
1964	325,148.15	316,707.00		316,707.00	8,441.15
1965	382,682.10	372,599.00		372,599.00	10,083.10
1966	364,629.49	353,964.00		353,964.00	10,665.49
1967	501,976.36	372,592.00	28,317.00	400,909.00	101,067.36
1968	449,674.84	392,598.00		392,598.00	57,076.84
1969	527,592.07	405,289.00		405,289.00	122,303.07
1970	569,566.45	454,321.00		454,321.00	115,245.45
1971	731,029.90	476,104.00		476,104.00	254,925.90
1972	<u>5,169,876.22</u>		<u>522,675.00</u>	<u>522,675.00</u>	<u>4,647,201.22</u>
Total	<u>\$9,338,313.90</u>	<u>\$3,451,563.00</u>	<u>\$550,992.00</u>	<u>\$4,002,555.00</u>	<u>\$5,335,758.90</u>

TAXES RECEIVABLE - PARK DISTRICT:

1963	\$ 2,107.54	\$ 2,108.44	\$ (.90)	\$ 2,107.54	\$ 0
1964	2,065.48	2,067.12	(1.64)	2,065.48	0
1965	2,103.54	2,104.95	(1.41)	2,103.54	0
1966	2,336.14	2,340.77	(4.63)	2,336.14	0
1967	2,716.46	2,510.16		2,510.16	206.30
1968	863.89	893.70	(29.81)	863.89	0
1969	3,117.11	2,200.00		2,200.00	917.11
1970	2,502.74	2,000.00		2,000.00	502.74
1971	3,217.21	2,025.00		2,025.00	1,192.21
1972	<u>21,000.00</u>		<u>2,125.00</u>	<u>2,125.00</u>	<u>18,875.00</u>
Total	<u>\$ 42,030.11</u>	<u>\$ 18,250.14</u>	<u>\$ 2,086.61</u>	<u>\$ 20,336.75</u>	<u>\$ 21,693.36</u>

GRAND TOTALS	<u>\$9,380,344.01</u>	<u>\$3,469,813.14</u>	<u>\$553,078.61</u>	<u>\$4,022,891.75</u>	<u>\$5,357,452.26</u>
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LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND OF CHICAGO

SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Method: The unfunded liability or obligations of the Fund for Prior Service Liabilities, or liabilities which have been accrued prior to the valuation date, have been computed on the entry-age-normal method of valuation.

For year age at entrance valuation, groups were used 20-24, 25-29, 30-34, 35-39, 40-44, 45-50, 50 and over.

The costs for the following items are valued on an annual cost basis. No reserves are set up as these items tend to stabilize on a cash basis:

- 1) Duty Disability Benefits.
- 2) Ordinary Disability Benefits.
- 3) Children's Annuities.
- 4) Refunds..including refunds for no wife (a percentage of members assumed married).
- 5) Expense of administration.

Actuarial Assumptions:

Mortality: For mortality for members in the active service and for retirement members and widow annuitants, the Combined Annuity Mortality Table was used.

Interest: 4-1/2% a year, compounded annually.

Salary Scale: 3% a year, compounded annually.

Rates of Retirement: The same rates of retirement were used for all ages at entry.

Termination Rates: An average of the rates for 1968, 1969, and 1970 for the Municipal Fund were used. The Laborers Fund rates were slightly greater.

Selected rates in percent for the service table are as follows:

Age at entrance twenty-seven.

Age	<u>Retirement Rates</u>		<u>Active Service Mortality</u>		<u>Withdrawal</u>		<u>Salary Scale</u>
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Same</u>
27			.22	.06	11.0	11.6	1.00
30			.24	.07	8.7	9.5	1.13
40			.46	.13	3.0	4.2	1.51
45			.69	.20	1.0	2.3	1.75
50			1.03	.30	0	1.2	2.03
55	1.0	2.5	1.55	.46	0		2.36
56	1.8	2.8	1.67	.51	0		2.43
57	2.5	3.2	1.81	.56	0		2.50
58	3.5	4.6	1.96	.63	0		2.58
59	4.3	7.0	2.13	.70	0		2.65
60	5.0	12.5	2.30	.78	0		2.73
61	6.0	11.0	2.49	.88			2.81
62	6.5	10.7	2.70	.98			2.90
63	8.5	11.5	2.92	1.10			2.99
64	11.0	12.5	3.16	1.23			3.07
65	24.0	13.5	3.43	1.36			3.17
66	18.0	15.0	3.71	1.50			3.26
67	14.5	16.6	4.01	1.65			3.36
68	14.0	18.0	4.34	1.82			3.46
69	14.0	19.8	4.70	2.04			3.56
70	15.5	21.8	5.08	2.31			3.67
71	17.0	23.5	5.50	2.65			3.78
72	19.0	26.0	5.94	3.04			3.90
73	23.5	29.2	6.43	3.48			4.01
74	30.0	50.0	6.95	3.94			4.13
75	100.0	100.0					4.26

LABORERS' AND RETIREMENT BOARD ANNUITY AND BENEFIT FUND OF CHICAGO

MEMBERSHIP STATISTICS

YEAR 1972

A. CHANGES IN ACTIVE PARTICIPANTS:

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Number at Beginning of Fiscal Year	5,372	1,492	6,864
Increases	908	36	944
Decreases	<u>727</u>	<u>110</u>	<u>837</u>
Number at End of Fiscal Year	<u>5,553</u>	<u>1,418</u>	<u>6,971</u>

B. CHANGES IN ANNUITANTS AND BENEFICIARIES:

	<u>Number at Beginning of Year</u>	<u>Increases</u>	<u>Decreases</u>	<u>Number At End of Year</u>
Employee Annuities	1,675	204	155	1,724
Widow Annuities	921	81	70	932
Children Annuities	234	24	57	201
Ordinary Disability Benefits	144	194	225	113
Duty Disability Benefits	21	307	320	8
Widow Compensation Annuities	3	0	0	3
Supplemental Annuities	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	<u>2,998</u>	<u>810</u>	<u>827</u>	<u>2,981</u>

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND OF CHICAGO

SALARY AND AGE STATISTICS

YEAR 1972

MALE

	<u>Number</u>	<u>Salaries</u>
Under 20	31	\$ 337,296.00
20 to 24	336	3,614,928.00
25 to 29	361	3,981,792.00
30 to 34	490	5,540,664.00
35 to 39	449	5,020,296.00
40 to 44	583	6,650,976.00
45 to 49	744	8,534,160.00
50 to 54	846	9,633,316.00
55 to 59	741	8,439,072.00
60 to 64	539	6,110,280.00
65 to 69	212	2,414,784.00
70 and Over	78	855,576.00
Without Record	<u>143</u>	<u>1,475,832.00</u>
	<u>5,553</u>	<u>\$62,608,972.00</u>
Average Annual Salary		<u>\$11,274.80</u>

FEMALE

Under 20	0	\$ 0
20 to 24	1	6,528.00
25 to 29	2	9,048.00
30 to 34	13	70,824.00
35 to 39	38	213,312.00
40 to 44	100	561,288.00
45 to 49	185	937,416.00
50 to 54	308	1,605,192.00
55 to 59	374	1,967,904.00
60 to 64	268	1,285,224.00
65 to 69	92	475,800.00
70 and Over	30	173,688.00
Without Record	<u>7</u>	<u>35,496.00</u>
	<u>1,418</u>	<u>\$ 7,341,720.00</u>
Average Annual Salary		<u>\$5,177.51</u>

LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND OF CHICAGO

ANNUITANTS CLASSIFIED BY AGE AND AMOUNTS

YEAR 1972

PENSIONER

<u>Age</u>	<u>Male</u>	<u>Amount</u>	<u>Female</u>	<u>Amount</u>	<u>Widows</u>	<u>Amount</u>
Under 50	7	\$ 4,877.28	0	\$ 0	80	\$ 64,048.80
50 to 54	2	1,542.36	1	300.00	75	67,588.56
55 to 59	24	55,250.16	18	14,930.28	108	100,870.20
60 to 64	82	238,753.08	66	58,486.80	136	129,954.96
65 to 69	234	673,437.72	194	214,139.76	128	106,509.24
70 to 74	272	722,202.72	186	212,668.92	149	140,063.16
75 and Over	<u>393</u>	<u>918,948.12</u>	<u>245</u>	<u>257,771.04</u>	<u>256</u>	<u>166,434.00</u>
	<u>1,014</u>	<u>\$2,615,011.44</u>	<u>710</u>	<u>\$758,296.80</u>	<u>932</u>	<u>\$775,468.92</u>
 Average Annual Annuity	Male	\$ <u>2,578.40</u>	Female	\$ <u>1,068.02</u>	Widows	\$ <u>832.04</u>