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City of Calgary

HEALTH DEPARTMENT

ANNUAL REPORT FOR THE YEAR 1935



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# LOCAL BOARD OF HEALTH OF THE CITY OF CALGARY

Comm. His Worship Mayor Andrew Davison, Chairman, and all Members of the City Council.	
--	--

Medical Officer of Health. W.H.Hill. M.D. C.M. D.P.H.

Asst: Medical Officer of Health. Geraldine Oakley, M.D.

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CITY OF CALGARY  
DEPARTMENT OF PUBLIC HEALTH

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To His Worship Mayor Andrew Davison, Commissioner T. B. Riley,  
and Members of the City Council, constituting the  
Local Board of Health of the City of Calgary.

Mrs. Wilkinson, and Gentlemen:

I beg herein to submit the Annual Statement of the  
work of this Department for the Year 1935.

It is sincerely hoped that in submitting this  
report, the members of Council will find the time to thoroughly  
peruse the content matter, and obtain as a result a clearer  
conception of the very considerable work done, and the multiplicity  
of activities that this Department is responsible for in whole or  
in part.

It has been pointed out in previous years, that a  
gross disproportion exists as between the Sanitary staffs employed  
by the City of Calgary, and other cities of approximate size. A  
sanitary officer is responsible for the sanitary control and super-  
vision of streets, lanes, vacant lots, food and food stores, cafes  
and eating places, butcher shops, ice-cream and soft drink parlors,  
public halls and meeting places, barber shops and beauty parlors,  
housing and housing problems, defective plumbing and gas fitting,  
refuse disposal, complaints re nuisances and the satisfactory  
disposal of same, the settling of disputes between individuals in  
connection with sanitary matters, in a word, a continuous effort  
to maintain a sweet and wholesome atmosphere in the entire City,  
and we have three such officers, a Chief Sanitary Officer, and two  
assistants. The two assistants cover the City, one the East and  
the other the West half, and the Chief looks after the immediate  
centre and supervises the work of the other two. At times and  
during the wide spread of any of the communicable diseases, and in  
addition to their other work, these two Sanitary Officers assist  
the Quarantine Officer in the maintenance of Quarantine regulations,  
and it has occurred that they have been very busy on this work  
alone, resulting in the ridiculous situation of the Chief Sanitary  
Officer attempting to cover the entire City himself. I may say  
that the City of Edmonton has six such Sanitary Officers.

In commenting on the financial statement, it is  
unfortunate, that I am unable to make any comparison as between  
last year's figures and those for this year. It will be recalled  
that from May 1st, 1935, amalgamation of the City's health services  
took place, and the estimates of the Health Department, that is the  
original estimates, were increased in that sum required to take care  
of the School Medical Service for the portion of the year during  
which the combined Services functioned. It would be unfair to  
attempt any estimate at this time tending to show the economy of  
the amalgamated service. Extraordinary expense was entailed in  
its initiation, readjustments and some new arrangements were enter-  
ed into as to the conduction of the new set up, and it would be  
impossible in this report to show any financial advantage accruing  
as the result of this co-ordination. In passing, it should be  
pointed out that the total cost of Health Service as established in  
the year 1935 was \$59,522.53, of which expense the City bore  
\$47,405.35 and the School Board \$12,117.18, or in other words the  
School Board took care of their own Medical Service for four months,







and the City Health Department assumed the cost of the combined service for the remaining eight months of the year. The estimates for the year 1936 covering the combined services show as \$57,631.80, and will of course be entirely a City responsibility. The total cost of our Health Service for the year per capita population amounted to 71.4 cents, which is a low figure having regard to the Annual Reports received from other Cities showing per capita expense ranging from \$1.30 to as high as \$2.70. The 1936 estimate is approximately \$2000 less than the sum expended during 1935. I again repeat that expenditure in the health of the people is in the category of an investment comparing it with the expenses shown as the result of preventable sickness.

### VITAL STATISTICS

The population figure is still shown as 83,362, this being the figure as established by the Dominion Bureau of Statistics in the census for 1931. Western Cities have a goodly proportion of transient population, and the recent years have only tended to accentuate this. It is doubtful if computation of our present population would result in any figure of worth, owing to unsettled conditions, and it is thought well to continue with the 1931 figure as a basis to establish the different rates as embodied in this report. Throughout and in the main expression is given to the Net figures or those referring to our domestic population in which we are fundamentally interested. Gross figures are shown, and serve largely when we are concerned with comparisons of statistical data.

There were 1290 net births during the year, constituting the low figure for the last 5 years, and showing a slight decline in the Birth Rate as compared with the year 1934. The Birth Rate has declined gradually over the last few years, and at the present is low as compared with figures from the outside.

There were 635 deaths during the year, an increase of 30 over the year 1934. The net Mortality Rate per 1000 population shows at 7.6, an increased rate over last year of 0.1. This rate is the highest during the last 5 years. It will be observed as was the case last year that the deaths occurring from birth to 40 years have not been nearly so numerous as the deaths from 40 plus, the figures being 224 in the first group and 559 in the second. These latter figures are gross, including as they do non-residents, but give an idea of the difference in the two age groups. The first six causes of death as shown in the International List shows:-

Heart disease	189
Cancer	114
Diseases (Res. System)	94
" Nervous System	84
" Digestive System	59
Accidental Deaths	50

In the number of deaths from heart disease it will be observed that 124 occurred at the age of 60 years and over, this circumstance no doubt points out the influence of chronic







infection over a number of years, and reflects in no small degree the weight such infection has in the later years of life.

Cancer has occupied the attentions of Medical Science over now many years, and the observations resulting have I think lent a good deal in the way of concrete understanding. The work goes on and shows the many advances in Surgery and Radium Therapy towards what we hope will lead to the conquering of this scourge. During the year a fund was initiated known as the King George Jubilee Cancer fund. This fund was amassed by popular subscription, and I understand the response was wonderful. The fund is to provide for a continued intensive study of Cancer in its many phases, and the support of research activities having to do with the solving of this universal problem.

Respiratory diseases accounted for 94 deaths and of these Pneumonia accounted for 74. Again we find that the later years of life show the larger percentage, although a glance at the table presented also shows 15 deaths under one year of age. It has been shown that an increased incidence of Measles means an increased incidence in Pneumonia amongst very young children, and as we reached another three yearly cycle during the year, it is not to be wondered at that we experienced this number of deaths in the first year of life.

Nervous diseases, largely paralysis, took a toll of 84 lives. Diseases of the Nervous System, with resulting paralysis, have marked relationship to other conditions contracted during earlier life, and there is no doubt this influence is manifest in this group.

Diseases of the Digestive System cover such conditions as Typhoid, Appendicitis, Ulcers, and Diarrhoea and Enteritis in infancy. The latter condition has been shown to markedly increase the death rate from these diseases. Fortunately, deaths from intestinal conditions are no problem in Calgary (that is, amongst infants), and the number of deaths in this cause grouping is about usual.

Calgary shows a lessened incidence of deaths from violent causes than was shown in 1934. These deaths are preventable in total, and involve carefulness, and a strong appreciation of the safety of others. It is hoped that an obedience to the ordinary rules of safety as they apply to our many activities will eventually relegate this cause of death to the forgotten. The Infant Death Rate expressed as per 1000 live births was higher in 1935 than in any of the last five years. An analysis of the causes shows that deaths from Prematurity, Congenital debility and Malformations number 50. The total number of deaths show at 82, and the Rate at 49.5. In this connection it may be said that a good deal might be done to materially reduce the number of these deaths. The pre-natal classes do considerable in the education of the expectant mother, but the attendance is sparse, and we do not seem to reach the number we might. Education, maternal grants where necessary, adequate facilities for the care of both Mother and Baby, during the expectant period, at the time of labor, and subsequent to the birth of the Baby are all important, and should







be available to all. Care, attention, and kindly advice and guidance to the limit for the illegitimate mother. These are some of the suggestions designed to reduce the Infant Death Rate to an irreducible level.

The Maternal Death Rate per 1000 living births shows at 3.2, which is the lowest rate since 1931. It is unfortunate that Mothers die at the time of the birth of their babies, and quite the greater number need not die if only they would co-operate with those who would care for them. It is gratifying to note that during the year the four deaths that did occur would seemingly cast no reflection on their attendants. Two cases died from self-induced abortion, and the other two from unavoidable accidents attendant on the condition of pregnancy.

Vital Statistics Report in accordance with form approved by The Canadian Public Health Association, follows:-

POPULATION: As shown by 1931 Census, - 83,362.

#### BIRTHS

According to the records of the Division Registrar, there were during the year:

Live births	1656.	Rate per 1,000 population	19.9
Stillbirths	51.	Rate per 1,000 live births	30.8

Included in the above were 366 non-resident births and 17 non-resident stillbirths.

TABLE 1

#### LIVE BIRTHS, 1931-1935

Year	Population	No. Including Non-Residents	Rate Per 1,000 Population	No. Residents Only	Rate Per 1,000 Population
1935	83,362	1656	19.9	1290	15.5
1934	83,362	1617	19.4	1302	15.6
1933	83,362	1610	19.3	1295	15.5
1932	83,362	1747	20.9	1459	17.5
1931	83,362	1888	22.7	not available	

TABLE 11

#### STILLBIRTHS, 1931-1935.

Year	Population	No. Including Non-Residents	Rate Per 1,000 Population	No. Residents Only	Rate Per 1,000 Population
1935	83,362	51	0.61	34	0.41
1934	83,362	48	0.58	38	0.46
1933	83,362	72	0.86	66	0.79
1932	83,362	64	0.77	57	0.68
1931	83,362	73	0.88	62	0.74

#### DEATHS

From all causes a total of 783 deaths was registered, being a rate of 9.4 per 1,000 population, including 148 deaths of non-residents.





TABLE 111

MORTALITY RATE (Exclusive of Stillbirths), 1931-1935.

Year	No. of Deaths, Including Non-Residents	Rate Per 1,000 Population	No. Residents Only	Rate Per 1,000 Population
1935	783	9.4	635	7.6
1934	732	8.8	605	7.2
1933	697	8.4	567	6.8
1932	749	9.0	601	7.2
1931	698	8.4	586	7.0

TABLE 1V

CHIEF CAUSES OF DEATH, 1933, 1934, 1935  
(Total Number Including Non-Residents)

Abridged Int. List No.	Disease	No. of Deaths			Rate Per 100,000 Population		
		1935	1934	1933	1935	1934	1933
25,33 22,24,	Diseases of heart, arteries & kidneys, including apoplexy. ....	271	225	210	325.1	269.9	251.9
15	Cancer (all forms) .....	111	106	104	133.2	127.2	124.8
27	Pneumonia .....	74	45	59	88.5	54.0	70.8
42	Violent & accidental deaths	33	58	43	39.6	69.6	51.6
10, 11	Tuberculosis (all forms) ..	9	13	18	10.8	15.6	21.6
18	Diabetes .....	11	7	6	13.2	8.4	7.2
8	Influenza .....	9	8	13	10.8	9.6	15.6
1,2,3,4 5.6.7	Communicable diseases (other than tuberculosis, pneumonia and influenza) .....	3	2	1	3.6	2.4	1.2
	All other causes .....	262	268	243	314.3	322.7	291.5

INFANT MORTALITY

The infant mortality rate for the municipality, including deaths of non-residents, is presented in the following table for this year and for the preceding four years:

TABLE V.

DEATHS OF INFANTS IN FIRST YEAR OF LIFE, 1931-1935.  
(Total Number Including Non-Residents)

	1935	1934	1933	1932	1931
Number of infant deaths	82	71	64	84	82
Rate per 1,000 live births	49.5	43.9	39.8	48.1	43.5

Number of deaths of non-residents included in above: 1935, 18-  
1934, 10 - 1933, 12 - 1932, 12. - 1931, 13.



TABLE III

MORTALITY RATE (Exclusive of Stillbirths), 1931-1935

Year	No. of Deaths	Rate per 1,000 Population	No. of Deaths	Rate per 1,000 Population
1935	78	7.8	83	8.3
1934	78	7.8	83	8.3
1933	78	7.8	83	8.3
1932	78	7.8	83	8.3
1931	78	7.8	83	8.3

TABLE IV

CHIEF CAUSES OF DEATH, 1932, 1933, 1934, 1935  
(Total Number Including Non-Residents)

Applied	Disease	1932	1933	1934	1935	No. of Deaths	Rate per 100,000 Population
28,84	Diseases of heart, arteries & kidneys, including angina pectoris	271	225	210	325.1	225.9	221.9
15	Cancer (all forms)	111	105	104	158.5	127.2	124.9
27	Pneumonia	74	45	52	88.5	54.0	70.9
42	Violent & accidental deaths	35	58	45	59.5	62.5	61.5
10, 11	Tuberculosis (all forms)	9	13	18	10.8	15.5	21.5
18	Diabetes	11	7	5	13.5	8.4	7.5
8	Influenza	9	8	15	10.8	9.5	13.5
1, 2, 3, 4	Communicable diseases (other than tuberculosis, pneumonia and influenza)	5	5	1	5.5	2.4	1.2
	All other causes	202	208	245	214.5	222.7	221.5

## INFANT MORTALITY

The infant mortality rate for the municipality, including deaths of non-residents, is presented in the following table for this year and for the preceding four years:

TABLE V

DEATHS OF INFANTS IN FIRST YEAR OF LIFE, 1931-1935  
(Total Number Including Non-Residents)

Year	Number of infant deaths	Rate per 1,000 live births
1935	69	49.5
1934	71	48.9
1933	84	50.8
1932	84	45.1
1931	83	43.5



# CAUSES OF DEATH

In accordance with the recommended practice the causes of death are presented using the Abridged International List as follows:

## ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH REVISION OF 1929.

Abridged List No.	Disease	No. of Deaths Including Non-Residents	No. Resi- dents Only
1.	Typhoid and paratyphoid fever . . . . .	1	-
3.	Small-pox . . . . .	-	-
4.	Measles . . . . .	1	-
5.	Scarlet fever . . . . .	-	-
6.	Whooping cough . . . . .	1	1
7.	Diphtheria . . . . .	-	-
8.	Influenza . . . . .	9	7
10.	Tuberculosis of the respiratory system . . . . .	6	5
11.	Other forms of tuberculosis . . . . .	3	3
12.	Syphilis . . . . .	3	3
14.	Other infectious and parasitic diseases . . . . .	18	10
15.	Cancer and other malignant tumours . . . . .	111	87
16.	Tumours, non-malignant tumours . . . . .	3	2
17.	Chronic rheumatism and gout . . . . .	12	9
18.	Diabetes mellitus . . . . .	11	9
19.	Alcoholism (acute and chronic) . . . . .	2	2
20.	Other general diseases and chronic poisonings... .	16	8
21.	Progressive locomotor ataxia and general paralysis of the insane . . . . .	1	1
22.	Cerebral haemorrhage, cerebral embolism and thrombosis... .	58	49
23.	Other diseases of the nervous system and of the organs of special sense . . . . .	24	20
24.	Diseases of the heart . . . . .	162	148
25.	Other diseases of the circulatory system . . . . .	27	24
26.	Bronchitis . . . . .	2	1
27.	Pneumonias . . . . .	74	62
28.	Other diseases of the respiratory system (tuberculosis excepted). . . . .	18	15
29.	Diarrhoea and enteritis . . . . .	8	6
30.	Appendicitis . . . . .	14	10
31.	Diseases of the liver and biliary passages . . . . .	12	8
32.	Other diseases of the digestive system . . . . .	25	17
33.	Nephritis . . . . .	14	10
34.	Other diseases of the genito-urinary system . . . . .	16	11
35.	Puerperal septicaemia . . . . .	-	-
36.	Other diseases of pregnancy, childbirth and the puerperal state . . . . .	5	4
37.	Diseases of the skin, bones and organs of locomotion.. . . .	4	4
38.	Congenital debility and malformations, premature birth, etc. . . . .	56	46
39.	Senility . . . . .	11	10
40.	Suicide . . . . .	14	13
41.	Homicide . . . . .	3	1
42.	Violent or accidental deaths (suicide & homicide excepted). . . . .	33	26
43.	Cause of death not specified or ill-defined . . . . .	5	3
		783	635





TABLE VI

INFANT MORTALITY BY CAUSE OF DEATH, 1931-1935  
(Total Number Including Non-Residents)

CAUSE OF DEATH.	1935 Number	1934 Number	1933 Number	1932 Number	1931 Number
1. Diarrhoea and enteritis . . .	4	2	6	12	8
2. Pneumonia and influenza ...	14	12	14	12	8
3. Prematurity .. . . .	36	34	17	24	35
4. Congenital debility, malformations..	12	9	4	13	13
5. Injuries at birth . . . . .	2	4	2	3	8
6. Acute communicable diseases (whooping cough, diphtheria, measles, Scarlet fever, etc.)	2	-	1	-	1
7. Other causes . . . . .	12	10	20	20	9

Of the 82 infant deaths registered this year, 25 occurred within the first 24 hours; 18 within the first week; and 10 died being under one month of age, representing 64.6 per cent of the total number.

MATERNAL DEATHS.

The number of deaths of mothers from puerperal causes was 5, including 1 death of non-residents, the rate for the municipality is 3.1 per 1,000 living births.

TABLE VII

MATERNAL MORTALITY (Including Non-Residents), 1931-1935.

Year	Live Births	Number of Maternal Deaths	Rate Per 1,000 Living Births
1935	1656	5	3.02
1934	1617	6	3.7
1933	1610	8	4.9
1932	1747	10	5.7
1931	1888	3	1.6

Number of deaths of non-residents included in the above:  
 1935- 1, 1934- 4, 1933- 4, 1932- 3, 1931- 2.

The chief causes of maternal deaths during the year 1935 according to residence are presented in the following table:

TABLE VIII

CHIEF CAUSES OF MATERNAL DEATHS

CAUSE OF DEATH	Number Including Non-Residents	Residents Only
Abortions (septic & non-septic)	3	2
Puerperal toxæmias	-	-
Puerperal sepsis	-	-
Other puerperal causes	2	2







COMMUNICABLE DISEASE

Measles occupied premier place insofar as incidence was concerned, and as mentioned elsewhere in this report, due to another three yearly cycle, at which time there is always marked incidence. This is a minor communicable condition, and the 1492 cases show one death only, an infant in the first year of its life. Mumps, Chickenpox, and Whooping Cough gave the Department some considerable trouble due in the main to the non-reporting of cases. Whooping Cough accounted for one death, an Infant.

Tuberculosis accounted for 8 deaths in 1935, the lowest figure in the last five years. Tuberculosis deaths appear to be on the downward trend, as evidenced by reports emanating from other centres.

Two deaths from Typhoid Fever and one from Paratyphoid Fever were reported during the year. It is understood that these cases came from outside the City, and therefore do not reflect in any way on the City's sanitary measures. Typhoid Fever used to occupy quite a prominent place as a cause of death some years ago, but with the advancement in Sanitary Science it has become a minor factor.

The incidence of Scarlet Fever is on the up trend, and as this condition approaches the usual cycle, it looks as though we can expect an epidemic during the coming year. 166 cases have been reported, all mild, and no deaths.

Pneumonia has been reported elsewhere.

A very virulent type of Influenza appeared during the year. Eight deaths are recorded from this condition.

One case of Diphtheria was reported during the year, which case made an uneventful recovery. Calgary has reason to be very proud of the fact that beyond this one case the City has been free from Diphtheria for now going on four years.

19 cases of Infantile Paralysis occurred during the late Summer, necessitating a closing of the schools for a period of three weeks. It is felt that this prompt action saved what might otherwise have been a far more extensive outbreak. Edmonton had an experience involving considerably more cases. Three deaths occurred in the City from this condition.

Immunization against such conditions as we have immunization measures for have been conferred on those requesting same.

420 were completely immunized against Diphtheria

327 were vaccinated against smallpox.

63 were immunized against Scarlet Fever.

The work attendant on immunization is performed by the Public Health nursing staff, who also at the request of Practicing Physicians attend to prophylaxis in connection with outside cases of communicable disease.





From the following table, the part played by certain causes is at once evident:

TABLE 1X

## REPORTED CASES AND DEATHS FROM COMMUNICABLE DISEASES

Disease	Age Groups							
	0-4 Years		5-14 Years		15 & over		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths.
Cer.spin. meningitis	-	-	-	-	-	-	-	-
Chickenpox	24	-	178	-	6	-	208	-
Diphtheria	-	-	-	-	1	-	1	-
German measles	5	-	89	-	17	-	111	-
Influenza	-	1	-	-	-	7	-	8
Measles	224	1	1215	-	53	-	1492	1
Mumps	59	-	1005	-	116	-	1180	-
Paratyphoid fever	-	-	-	-	-	1	-	1
Pneumonia (all forms)	-	-	-	-	-	-	-	74
Poliomyelitis	7	-	9	1	3	2	19	3
Puerp.septicaemia-	-	-	-	-	-	-	-	-
Scarlet fever	29	-	113	-	24	-	166	-
Septic sore throat-	-	-	-	1	-	-	-	1
Smallpox	-	-	-	-	-	-	-	-
Tuberculosis (all forms)	-	-	-	1	27	8	27	9
Typhoid fever	-	-	1	-	1	-	2	-
Undulant fever	-	-	-	-	-	-	-	-
Whooping Cough	88	1	128	-	1	-	217	1



From the following table, it is seen that the following diseases are the most prevalent in the various countries:

TABLE I.

REPORTED CASES OF DISEASES IN THE SEVERAL COUNTRIES.

Disease	1900-1901	1901-1902	1902-1903	1903-1904	1904-1905	1905-1906	1906-1907	1907-1908	1908-1909	1909-1910	1910-1911	1911-1912	1912-1913	1913-1914	1914-1915	1915-1916	1916-1917	1917-1918	1918-1919	1919-1920	1920-1921	1921-1922	1922-1923	1923-1924	1924-1925	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930	1930-1931	1931-1932	1932-1933	1933-1934	1934-1935	1935-1936	1936-1937	1937-1938	1938-1939	1939-1940	1940-1941	1941-1942	1942-1943	1943-1944	1944-1945	1945-1946	1946-1947	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-2266	2266-2267	2267-2268	2268-2269	2269-2270	2270-2271	2271-2272	2272-2273	2273-2274	2274-2275	2275-2276	2276-2277	2277-2278	2278-2279	2279-2280	2280-2281	2281-2282	2282-2283	2283-2284	2284-2285	2285-2286	2286-2287	2287-2288	2288-2289	2289-2290	2290-2291	2291-2292	2292-2293	2293-2294	2294-2295	2295-2296	2296-2297	2297-2298	2298-2299	2299-2300	2300-2301	2301-2302	2302-2303	2303-2304	2304-2305	2305-2306	2306-2307	2307-2308	2308-2309	2309-2310	2310-2311	2311-2312	2312-2313	2313-2314	2314-2315	2315-2316	2316-2317	2317-2318	2318-2319	2319-2320	2320-2321	2321-2322	2322-2323	2323-2324	2324-2325	2325-2326	2326-2327	2327-2328	2328-2329	2329-2330	2330-2331	2331-2332	2332-2333	2333-2334	2334-2335	2335-2336	2336-2337	2337-2338	2338-2339	2339-2340	2340-2341	2341-2342	2342-2343	2343-2344	2344-2345	2345-2346	2346-2347	2347-2348	2348-2349	2349-2350	2350-2351	2351-2352	2352-2353	2353-2354	2354-2355	2355-2356	2356-2357	2357-2358	2358-2359	2359-2360	2360-2361	2361-2362	2362-2363	2363-2364	2364-2365	2365-2366	2366-2367	2367-2368	2368-2369	2369-2370	2370-2371	2371-2372	2372-2373	2373-2374	2374-2375	2375-2376	2376-2377	2377-2378	2378-2379	2379-2380	2380-2381	2381-2382	2382-2383	2383-2384	2384-2385	2385-2386	2386-2387	2387-2388	2388-2389	2389-2390	2390-2391	2391-2392	2392-2393	2393-2394	2394-2395	2395-2396	2396-2397	2397-2398	2398-2399	2399-2400	2400-2401	2401-2402	2402-2403	2403-2404	2404-2405	2405-2406	2406-2407	2407-2408	2408-2409	2409-2410	2410-2411	2411-2412	2412-2413	2413-2414	2414-2415	2415-2416	2416-2417	2417-2418	2418-2419	2419-2420	2420-2421	2421-2422	2422-2423	2423-2424	2424-2425	2425-2426	2426-2427	2427-2428	2428-2429	2429-2430	2430-2431	2431-2432	2432-2433	2433-2434	2434-2435	2435-2436	2436-2437	2437-2438	2438-2439	2439-2440	2440-2441	2441-2442	2442-2443	2443-2444	2444-2445	2445-2446	2446-2447	2447-2448	2448-2449	2449-2450	2450-2451	2451-2452	2452-2453	2453-2454	2454-2455	2455-2456	2456-2457	2457-2458	2458-2459	2459-2460	2460-2461	2461-2462	2462-2463	2463-2464	2464-2465	2465-2466	2466-2467	2467-2468	2468-2469	2469-2470	2470-2471	2471-2472	2472-2473	2473-2474	2474-2475	2475-2476	2476-2477	2477-2478	2478-2479	2479-2480	2480-2481	2481-2482	2482-2483	2483-2484	2484-2485	2485-2486	2486-2487	2487-2488	2488-2489	2489-2490	2490-2491	2491-2492	2492-2493	2493-2494	2494-2495	2495-2496	2496-2497	2497-2498	2498-2499	2499-2500	2500-2501	2501-2502	2502-2503	2503-2504	2504-2505	2505-2506	2506-2507	2507-2508	2508-2509	2509-2510	2510-2511	2511-2512	2512-2513	2513-2514	2514-2515	2515-2516	2516-2517	2517-2518	2518-2519	2519-2520	2520-2521	2521-2522	2522-2523	2523-2524	2524-2525	2525-2526	2526-2527	2527-2528	2528-2529	2529-2530	2530-2531	2531-2532	2532-2533	2533-2534	2534-2535	2535-2536	2536-2537	2537-2538	2538-2539	2539-2540	2540-2541	2541-2542	2542-2543	2543-2544	2544-2545	2545-2546	2546-2547	2547-2548	2548-2549	2549-2550	2550-2551	2551-2552	2552-2553	2553-2554	2554-2555	2555-2556	2556-2557	2557-2558	2558-2559	2559-2560	2560-2561	2561-2562	2562-2563	2563-2564	2564-2565	2565-2566	2566-2567	2567-2568	2568-2569	2569-2570	2570-2571	2571-2572	2572-2573	2573-2574	2574-2575	2575-2576	2576-2577	2577-2578	2578-2579	2579-2580	2580-2581	2581-2582	2582-2583	2583-2584	2584-2585	2585-2586	2586-2587	2587-2588	2588-2589	2589-2590	2590-2591	2591-2592	2592-2593	2593-2594	2594-2595	2595-2596	2596-2597	2597-2598	2598-2599	2599-2600	2600-2601	2601-2602	2602-2603	2603-2604	2604-2605	2605-2606	2606-2607	2607-2608	2608-2609	2609-2610	2610-2611	2611-2612	2612-2613	2613-2614	2614-2615	2615-2616	2616-2617	2617-2618	2618-2619	2619-2620	2620-2621	2621-2622	2622-2623	2623-2624	2624-2625	2625-2626	2626-2627	2627-2628	2628-2629	2629-2630	2630-2631	2631-2632	2632-2633	2633-2634	2634-2635	2635-2636	2636-2637	2637-2638	2638-2639	2639-2640	2640-2641	2641-2642	2642-2643	2643-2644	2644-2645	2645-2646	2646-2647	2647-2648	2648-2649	2649-2650	2650-2651	2651-2652	2652-2653	2653-2654	2654-2655	2655-2656	2656-2657	2657-2658	2658-2659	2659-2660	2660-2661	2661-2662	2662-2663	2663-2664	2664-2665	2665-2666	2666-2667	2667-2668	2668-2669	2669-2670	2670-2671	2671-2672	2672-2673	2673-2674	2674-2675	2675-2676	2676-2677	2677-2678	2678-2679	2679-2680	2680-2681	2681-2682	2682-2683	2683-2684	2684-2685	2685-2686	2686-2687	2687-2688	2688-2689	2689-2690	2690-2691	2691-2692	2692-2693	2693-2694	2694-2695	2695-2696	2696-2697	2697-2698	2698-2699	2699-2700	2700-2701	2701-2702	2702-2703	2703-2704	2704-2705	2705-2706	2706-2707	2707-2708	2708-2709	2709-2710	2710-2711	2711-2712	2712-2713	2713-2714	2714-2715	2715-2716	2716-2717	2717-2718	2718-2719	2719-2720	2720-2721	2721-2722	2722-2723	2723-2724	2724-2725	2725-2726	2726-2727	2727-2728	2728-2729	2729-2730	2730-2731	2731-2732	2732-2733	2733-2734	2734-2735	2735-2736	2736-2737	2737-2738	2738-2739	2739-2740	2740-2741	2741-2742	2742-2743	2743-2744	2744-2745	2745-2746	2746-2747	2747-2748	2748-2749	2749-2750	2750-2751	2751-2752	2752-2753	2753-2754	2754-2755	2755-2756	2756-2757	2757-2758	2758-2759	2759-2760	2760-2761	2761-2762	2762-2763	2763-2764	2764-2765	2765-2766	2766-2767	2767-2768	2768-2769	2769-2770	2770-2771	2771-2772	2772-2773	2773-2774	2774-2775	2775-2776	2776-2777	2777-2778	2778-2779	2779-2780	2780-2781	2781-2782	2782-2783	2783-2784</
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# IMMUNIZATION REPORT

Diphtheria toxoid -- Quantity distributed by local health department during 1935, 773. Number receiving 3 doses in clinics or given by the department 420.

Smallpox vaccine -- Total number of capillary tubes distributed by local health department 1320. Number vaccinated by staff or clinics of the department 327.

Scarlet fever toxin -- Quantity distributed by local health department during 1935, 175. Number receiving 5 doses in clinics or given by the department 63.

TABLE X.

## REPORTED CASES AND DEATHS FROM TUBERCULOSIS, 1931-1935.

Year	Number of Cases	Number of Deaths in City	Number of Deaths in Outside Sana- toria.	Total Deaths	Rate Per 100,000 Pop- ulation.
1935	27	8	6	14	16.8
1934	38	10	11	21	25.2
1933	30	18	7	25	30.0
1932	8	23	8	31	37.2
1931	38	21	11	32	38.4

TABLE XI.

## REPORTED CASES AND DEATHS FROM SCARLET FEVER, DIPHTHERIA, WHOOPING COUGH AND MEASLES, 1933-1935.

(Total Number Including Non-Residents)

Disease	Cases			Deaths			Mort. Rate Per 100,000 population		
	1935	1934	1933	1935	1934	1933	1935	1934	1933
Scarlet fever	166	93	36	-	-	-	-	-	-
Diphtheria	1	-	-	-	-	-	-	-	-
Whooping Cough	217	166	238	1	-	1	1.2	-	1.2
Measles	1492	14	47	1	-	-	1.2	-	-

Non-residents: Included in the above for 1935 were nil deaths from scarlet fever; nil deaths from diphtheria; nil deaths from whooping cough; one death from measles.

TABLE XII

## REPORTED CASES AND DEATHS FROM TYPHOID FEVER, 1931-1935. (Total Number Including Non-Residents)

Year	Cases	Deaths.	
		No.	Rate Per 100,000.
1935	2	1	1.2
1934	3	2	2.4
1933	4	-	-
1932	5	2	2.4
1931	-	-	-

No. of deaths of non-residents included in above: 1935-1, 1934-1, 1933-0, 1932-1, 1931-0.



# IMMUNIZATION REPORT

Diphtheria toxoid -- Quantity distributed by local health department during 1955, 775. Number receiving 5 doses in clinics or given by the department 450.

Smallpox vaccine -- Total number of capillary tubes distributed by local health department 1500. Number vaccinated by staff or clinics of the department 827.

Scarlet fever toxin -- Quantity distributed by local health department during 1955, 175. Number receiving 5 doses in clinics or given by the department 85.

TABLE X

## REPORTED CASES AND DEATHS FROM TUBERCULOSIS, 1951-1955

Year	Cases	Deaths	Number of Deaths in City or Outside Same	Total Rate Per 100,000 Population
1955	27	8	6	15.8
1954	38	10	11	22.8
1953	30	12	7	20.0
1952	6	22	8	27.2
1951	38	21	15	28.4

TABLE XI

## REPORTED CASES AND DEATHS FROM SCARLET FEVER, DIPHTHERIA, WHOOPING COUGH AND MEASLES, 1953-1955

Disease	1955	1954	1953	Deaths	Rate Per 100,000 Population
Scarlet fever	155	25	25	-	-
Diphtheria	1	-	-	-	-
Whooping Cough	215	155	228	1	1.8
Measles	1428	15	47	1	1.8

Non-residents: Included in the above for 1955 were all deaths from scarlet fever; all deaths from diphtheria; all deaths from whooping cough; one death from measles.

TABLE XII

## REPORTED CASES AND DEATHS FROM TYPHOID FEVER, 1951-1955

Year	Cases	No.	Rate Per 100,000
1955	2	1	1.8
1954	3	2	2.4
1953	4	-	-
1952	5	2	2.4
1951	-	-	-

No. of deaths of non-residents included in above: 1955-1, 1954-1, 1953-0, 1952-1, 1951-0.



## QUARANTINE AND DISINFECTION.

The duties in connection with this work have taxed the energies of the Department during practically the whole year. The quarantine Officer early found that he could not attempt to keep pace with the requirements of communicable disease regulations, with the result that for an appreciable part of the year the entire staff had to assist in the performance of Quarantine duty. It is felt that at times when communicable disease is wide spread our deplorable lack of staff involves considerable upon this Officer. He commences early and works late. Saturday and Sunday mean nothing to him, he gets no time off, and has to hold himself in readiness during the evening or at any other time to answer report of communicable disease. He owns his own car and the amount of driving allowance he receives does not commence to cover the mileage travelled. As a matter of fact he actually has to meet the deficit entailed in the service of the City from his own pocket. It is hoped that something can be done in the way of adjustment of this Officer's problems.

The number of houses quarantined during the year	- 3,113.
Number of releases	- 3,461.
Patients removed to the Hospital	- 178.

## SANITATION.

There is nothing seasonal about this branch of City Health activities. Sanitary supervision is everlasting and covers, as mentioned at the first of this report, a good deal of ground. In addition to what is usually understood by sanitary duties, which duties have been excellently discharged throughout the year, the Inspectors have been most active in Housing problems which have presented frequently. The housing situation is most acute, and a good deal of overcrowding obtains. On occasion it has been found possible to stress improvement, but in quite the majority of instances laws and by-laws are grossly violated, and for the want of suggesting something better we have perforce to let the problem remain as it is. A good deal of correspondence has passed as between Council and this Department in reference to this matter, and it is hoped that it will not be long until some change for better times results in marked improvement of the whole condition. As the direct result of representations made by this Department, active Venereal disease cases taking their meals at the Provincial Kitchen have been removed to quarters where segregation has taken place; this also applies to men suffering from communicable skin conditions.

Considerations as to the sanitary state of the feed lots at Bonnybrook occupied some considerable time in their adjustment, and a goodly amount of correspondence passed between this Department and in turn the City Commissioners and the Provincial Government; this in addition to many visits by the Chief Sanitary Officer to the District. It is now established, it is hoped, that the improvements suggested last year having been carried out, we may pray for the dawn of amicable relations between the disputing parties concerned.







This Department lent the utmost in co-operation with other Departments having to do indirectly with sanitary matters, particularly the Police and the Relief Departments. This unstinted co-operation between City Branches is most desirable, and bids for a fuller understanding of Municipal problems.

The production, preparation, distribution and handling of food stuffs have been rigidly supervised, and sanitary regulations stressed and enforced.

In 1934 the Legislative Assembly issued regulations governing bakeries, and we have to report that structural improvements and requirements have in the main been attended to, and a very satisfactory situation obtains.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Inspections	786	775	798	780	875	392	378	658	581	860	756	762	8401
Notices issued-written	17	13	21	14	14	12	8	11	14	18	27	14	183
Notices issued													
Verbal	151	156	165	147	104	90	108	138	99	169	161	44	1532
Complaints Received	29	28	35	42	74	39	45	34	35	23	26	17	427
Complaints Justified	27	25	32	37	64	35	34	28	24	19	23	11	359
Prosecutions	1	-	-	-	-	-	-	-	1	-	-	-	2
Quarantines	143	115	246	457	1062	521	123	78	68	65	87	148	3113
Releases	184	181	202	367	926	689	291	143	124	144	107	103	3461
Patients Moved	13	8	11	6	18	10	5	4	20	16	34	33	178

#### MEAT INSPECTION

At the present time, the City Inspector exercises supervision over one Abattoir only. This Abattoir does custom slaughtering for a number of butchers and farmers. The new meat by-law provides that no carcass of an animal intended as food for man be admitted to the City Market unless such carcass has previously been approved by a Federal Meat Inspector or some other competent and responsible authority. This, with the exception of veal, which veal must be presented at the Meat Inspection Room for inspection by the City Meat Inspector, before being disposed of for sale and subsequent human consumption. This ruling is a vast improvement over the old by-law.

Meat inspection has been very satisfactory during the year, and the Department has had no occasion to attend to anything in the way of complaint.

At the latter end of the year Council ruled that a slaughtering fee should be charged at the abattoir to take care of the necessary Inspection fee, this in view of the fact that the new by-law calls for the appointment of a qualified Veterinary Officer to undertake this inspection (our present Inspector is a practical man only). The new year will no doubt see the initiation of this fee, and the appointment of the aforementioned meat Inspector.







The following table shows the work under this heading for the year 1935:

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
<b>SUBMITTED</b>													
Beef	333	205	261	259	291	168	204	174	280	366	321	261	3123
Veal	230	207	254	231	206	240	200	248	184	214	302	254	2770
Hogs	126	77	88	87	61	30	47	32	27	28	42	49	694
Sheep & Lamb	13	21	15	17	8	82	79	56	87	78	58	46	560
<b>CONDEMNED</b>													
Beef	5 $\frac{1}{4}$	3	3	5	2	1 $\frac{1}{2}$	4	1	1	2	3	2	32 $\frac{3}{4}$
Veal	1	1	1 $\frac{1}{2}$	2	2	1	-	1	-	1	2	1	13 $\frac{1}{2}$
Hogs	4	5	5 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	6	4	4	4	5	4	58
Sheep & Lamb	1	1	1	1	-	-	1	1	1	1	1	1	10
<b>PORTIONS</b>													
<b>CONDEMNED:</b>													
Beef Heads & Tongues	11	6	7	11	6	8	3	4	6	5	5	7	79
Hog Heads	33	21	7	15	23	7	14	12	9	14	14	14	183
Beef Livers	62	31	57	-	33	25	41	26	23	37	42	42	419
Veal Livers	14	6	-	8	-	20	4	7	2	9	-	-	70
Hog Livers	41	37	42	40	31	15	23	14	13	15	17	29	317
Sheep Livers	7	17	12	10	6	43	21	22	29	41	41	31	280
Beef Hearts	6	-	-	10	9	6	3	7	-	6	16	6	69
Veal Hearts	-	-	-	3	-	-	-	-	-	-	-	-	3
Turkeys	4	-	-	-	-	-	-	-	-	-	-	9	13
Hog Hearts	-	-	-	15	-	-	-	-	-	-	-	4	19
Beef Carcasses rejected	-	-	9	-	-	-	-	-	-	-	-	6	15
Hog Carcasses rejected	-	-	-	-	-	-	-	-	-	-	-	4	4
Sheep Carcasses rejected	-	-	-	-	-	-	-	-	-	-	-	2	2

### MILK INSPECTION

This particular Division has to do with the Sanitary control of milk production, processing, handling, and distribution. Two Inspectors are assigned to this work, the one to supervise Dairy activities as they relate to the farm, that is sanitation with respect to barns, milk houses etc., and the cleanly handling and care of raw milk until shipped to the City. This Inspector has considerable distances to travel in the discharge of his duties. The other Inspector exercises sanitary control of Milk plants, and the distribution of milk to the consumer; he also obtains a continuing run of samples for testing at the City Laboratory. During the year, and in view of the marked incidence of communicable disease, it has been necessary to assign both officers to quarantine duty in times, with the result that the outside dairy inspection has not been as frequent as it should have been. Another factor contributing to this was the lack of the necessary car. This was provided for in the estimates at the first of the year, and we did not receive the new machine until October.











Of the 269 vendors permits issued, 242 are for stores and 27 for house to house distributors.

Of the 366 dairymen permitted to ship into Calgary, 234 ship milk and 132 ship table cream or cream for the manufacture of ice cream.

Total sediment tests of milk shipped by producers	3130.	
	2764 or 88.3%	graded GOOD.
	215 or 6.9%	FAIR.
	151 or 4.8%	BAD

Total sediment tests of milk sold by retailers	330.
	327 or 99.1% graded GOOD
	3 or 0.9% BAD

Total reductase tests from retailers (pasteurized)	
	77 or 100% grade No. 1.
(raw)	
	340 or 99.4% grade No.1.
	2 or 0.6% grade No.2.

Total reductase tests of shippers to distributors	3029.
	2838 or 93.7% grade No. 1
	185 or 6.1% grade No. 2.
	6 or 0.2% grade No. 3.

Approximate per capita daily consumption of milk	.53 pints.
" per capita daily consumption of cream	.03 pints.





## CHILD WELFARE

During the year amalgamation of the City and School Medical Services took place, and the combined service has been functioning for now eight months. Dr. Oakley who had been in charge of the School Medical Service, assumed the role of Assistant Medical Officer of Health and has complete control of the Child Welfare Branch which incorporates the service she previously supervised. It is to be remarked that a splendid spirit of co-operation obtains in the amalgamated unit, and most interesting to observe the manner in which child welfare activities are dove-tailing into the general scheme of things.

The reports of Dr. Oakley and Nurse Lavell follow:

TOTAL EXAMINATIONS OF SCHOOL CHILDREN MADE BY TWO EXAMINING  
PHYSICIANS (one on part-time).

	<u>Re-exams.</u>	<u>Beginners</u>	<u>Totals</u>
Physical examinations made	5964	1194	7158
Special cases	1666		1666
Not vaccinated	3588	966	4554
Malnutrition	182	21	203
10% or more below normal weight	871	169	1040
7-10% below normal weight	632	149	781
Enlarged glands	198	75	273
Enlarged Thyroid	67	1	68
Anaemia	67	14	81
Cardiac disturbance	69	10	79
Nervous disorders	16	11	27
Pulmonary disturbance:			
General	4	0	4
Suspected T.B.	4	0	4
Bronchitis	7	3	10
Asthma	7	1	8
Skin diseases:			
Ringworm	7	0	7
Scabies	35	3	38
Impetigo	3	0	3
Miscellaneous	49	2	51
Psoriasis	1	0	1
Digestive disturbance	14	5	19
Defective vision	868	50	918
Other eye defects	18	0	18
Defective hearing	99	26	125
Enuresis	0	3	3
Defective extremities	27	7	34
Defective spine & posture	13	2	15
Defective chest	3	0	3
Defective nasal breathing	256	104	360
Enlarged adenoids & tonsils	313	81	394
Mod. " " "	595	191	786
Psychological abnormalities	15	5	20
Unclassified medical defects:			
Obesity	13	0	13
Diabetes	4	0	4





## Unclassified medical defects (continued)

	<u>Re-exams.</u>	<u>Beginners</u>	<u>Totals.</u>
Tonsillitis	2	0	2
Epilepsy	1	0	1
Rheumatism	3	0	3
Worms	3	0	3
Menstrual disorders	1	0	1
Pyelitis	2	1	3
Unclassified	10	0	10
Unclassified surgical defects:			
Hernia	1	4	5
Appendix	3	0	3
Fracture	1	0	1
Phimosis	7	4	11
Torticollis	2	0	2
Minor Surgery	10	0	10
Unclassified	10	0	10
Received Toxoid	737	226	963
Number O.K.	2578	505	3083
Parents invited	181	1229	1410
Parents present	169	1040	1209

The number of complete physical examinations, 7158, is lower than in previous years as the schools were closed in September because of the outbreak of Infantile Paralysis. Fortunately, the number of cases which developed was not large, 15 in all.

The freedom from Smallpox which Calgary has enjoyed for many years has made the public indifferent to vaccination, and there is a general laxity on the part of parents towards having their children given this protective treatment. In the 1935 report it will be noted that 63.6% of our city children have never been vaccinated.

A similar indifference is manifested toward the toxoid inoculation for the prevention of diphtheria. This too, I feel is largely due to Calgary's good fortune in having had only one case of diphtheria in five years. A child's safety from an infectious disease must, however, be founded on immunity toward the disease in question and not mere chance. Diphtheria is frequently fatal to young children and parents should consider it a duty to have their children given this inoculation at six months of age.

1040 or 14.5% of the children examined were found to be 10% or more below average weight for their age and height. These figures show a slight improvement over last year. Another 781 or 10.9% were between 7 and 10% below average weight. This department is working hard to secure adequate rest and food for these children. Crowded tenements and unemployment doles make the problem very difficult.  $\frac{1}{2}$  a pint of milk a day is supplied free to poorly nourished children. Approximately 400 bottles a day are distributed.

68 children or 0.95% had some enlargement of the thyroid gland. There were no cases of marked goitre in children of school age. Iodine tablets supplied free by the Provincial Government are given to most of these cases.





12.8% of the children examined required glasses or a change of glasses. Eighteen of the worst cases of defective vision are in the sight-saving class and another ten have vision so bad as to require front seats in the classroom. Free glasses were supplied to 159 children.

125 or 1.7% had defective hearing. We have a list of 11 names of children so deaf as to make lip-reading advisable. A special class for these cases is a real need. They have all secured medical treatment and but little further improvement can be looked for.

79 or 1.1% have an organic heart condition. This percentage is slightly lower than the percentage which has been found for several years past. Most of the heart lesions have followed tonsillitis, chorea or rheumatism. A few have followed influenza.

394 or 5.5% had enlarged or diseased tonsils, making their removal advisable. We referred a total of 763 cases of abnormal tonsils to the family physician but some of these were not urgent. Members of the Calgary Medical Association operated free of charge on a number of these cases for whom treatment could not have been secured otherwise.

16 children were referred to the T. B. Clinic for a chest examination. Several of these are being kept under observation but no active cases were found.

There were but 7 cases of ringworm, only one of which affected the scalp.

3083 or 43.1% of the children examined were found to be quite O.K.

1209 or 85.7% of the parents attended the first physical examination of their child.

<u>Cases referred to family physician throughout year.</u>		<u>Cases treated by family physician throughout year.</u>
Malnutrition	34	10
Anaemia	18	6
Behaviour problems	9	7
Enlarged Thyroid	26	1
Nervous disorders	10	5
Cardiac	2	
Ringworm	4	1
Impetigo	-	2
Scabies	14	5
Miscellaneous	12	8
Suspected T.B.	4	1
Defective vision	521	250
Other eye defects	17	8
Digestive disturbance	6	1
Asthma	4	
Defective Hearing	37	13





<u>Cases referred to family physician throughout year. (cont)</u>		<u>Cases treated by family physician throughout year. (Cont)</u>	
Defective nasal breathing	21		4
Abnormal adenoids & tonsils	763		229
Pulmonary disturbance	-		3
Enlarged glands	1		-
Defective extremities	1		-
Unclassified medical defects:			
Obesity	8		-
Pyelitis	2		2
Rheumatism	3		2
Worms	-		2
Goitre	-		4
Menstrual disorders	4		1
Diabetes	2		-
Tonsillitis	2		-
Scoliosis	1		-
Unclassified	12		10
Unclassified surgical defects:			
Appendicitis	2		3
Hernia	7		3
Fracture	1		1
Minor surgery	11		12
Phimosis	12		2
Defective spine & posture	1		-
Torticollis	1		-
Unclassified	5		3
Totals	1578		599

#### REPORT OF DISTRICT NURSES (9 nurses)

Re-admissions	19	Malnutrition	814
Health Talks	902	Nervous disorders	9
No. in class inspections	98,071	Pulmonary disease	3
Special inspections	27,900	Whooping Cough	30
Referred to Medical Insp.	1,171	Scarlet Fever	36
Phones and Notes	4,261	Chickenpox	60
Treatments	2,380	Conjunctivitis	59
Exclusions	278	Tonsillitis	19
Pediculosis	26	Scabies	71
Eye defects	887	Ringworm	7
Ear defects	107	Impetigo	16
Defective nasal breathing	152	Eczema	21
Tonsils and adenoids	624	Measles	369
Enlarged glands	219	Mumps	452
Orthopaedic defects	41	Home Visits	4377
		Pre-School visits	253

#### REPORT OF DENTAL CLINIC

It will be noted that 14,738 pupils were inspected by the school dentist. All pupils in the public school were examined once and most of the lower grades, from 1 to 4 inclusive, were examined twice. The number with perfect teeth at the time of inspection was 4275 or 29.0%.

A total of 8149 cases were cared for at the clinic through-





out the year. 369 extractions of permanent teeth and 2476 extractions of primary teeth were performed. A total of 9169 fillings were inserted.

Treatments:

Silver Nitrate Reduction	2575
Opened Pulp	308
Lanced Abscess	5

Extractions:

Permanent	369
Deciduous	2476
Gas Anaesthetic	4

Fillings: Various 9169

No treatment	296
Refused treatment	106

Prophylaxis	183
Frenum Cauterization	7
Miscellaneous operations	231
Total Operations	14,882
Completed Cases	6743

Total Number of Teeth Treated:

Permanent	7344	
Deciduous	<u>4475</u>	11,819

New Patients	1245
New Cases Current Year	3888
Re-appointments	2538
Emergency cases	499
Total Number Patients Treated	8149

Number Inspected	14,738
Number needing treatment	7947
Need nothing at date of inspection	2487
Number O.K.	4275

Defective Teeth:

Permanent	11,038
Deciduous	4,461.





# REPORT OF INFANT & PRE-SCHOOL CLINIC

Clinic Space	Up to September, Clinics were held as before in rooms on the fourth floor of the Police Building; then they were moved, with the Health Department, to the top floor of the City Hall. There is one large dressing and weighing room, two smaller office rooms, a lavatory and small waiting room.											
Staff	One Doctor (Pediatrician).											
	Two Public Health Nurses. (One supplied by the Provincial Department of Health, the other by the City of Calgary).											
	A nurse-in-training from either the General Hospital or the Holy Cross Hospital comes two days a week for instruction and practical training.											
	Late in December a part time clerk was added.											
Amalgamation	In May, the School Health Services were amalgamated with those of the City.											
Routine of Work	<ol style="list-style-type: none"><li>1. Cards made out at birth registration to follow through school age.</li><li>2. Invitations to Infant Clinic sent to mothers.</li><li>3. Questionnaire sent to family physicians concerning birth and home conditions.</li><li>4. Where home conditions considered inadequate by family physicians, families are visited by school nurses in that district and advised of Infant Clinic.</li><li>5. At six months notices sent re advisability of Diphtheria Toxoid.</li><li>6. At one year, further questionnaire sent to family physician.</li><li>7. After three years a special appointment made for every child to be given a complete physical examination.</li></ol>											
Time of Clinics.	<ol style="list-style-type: none"><li>1. One afternoon for examination of Pre-schools by school doctor.</li><li>2. Two afternoons for Infants and Pre-schools with clinic doctor in attendance.</li><li>3. Two afternoons with nurses in attendance.</li></ol>											
Other Services.	<ol style="list-style-type: none"><li>1. Two rooms loaned to Mental Hygiene Clinic every second week.</li><li>2. One room loaned to Victorian Order of Nurses one afternoon a week for Pre-Natal Classes.</li></ol>											
Attendance at Clinic.	Total Attendance during year:- <table><tr><td>Infants</td><td>4708</td><td></td></tr><tr><td>Pre-School</td><td>2099</td><td></td></tr><tr><td>Total</td><td><u>6807</u></td><td></td></tr></table>			Infants	4708		Pre-School	2099		Total	<u>6807</u>	
Infants	4708											
Pre-School	2099											
Total	<u>6807</u>											
	No. of individual cases	2467										
	No. of new cases during year	777										
	Also single examinations by School Doctors	159										





No. of interviews with Clinic Doctor:-	
Infants	2136
Pre-School	735
Total	<u>2871</u>
No. of interviews with Clinic Nurses:-	
Infants	2572
Pre-School	1364
Total	<u>3936</u>
No. of Clinics held during year 111	
Highest attendance	123
Lowest "	7
Average "	61

Attendance was lower than that of preceding year due to:-

- An epidemic of measles and mumps in May and June.
- Clinic closed most of September because of Poliomyelitis.
- Moving of Clinic rooms.

Visits.	To homes by Clinic Nurses:-	2451
	" " " School "	77
	Birth registration visits by School Nurses	450
	No. of visits not found	<u>415</u>
	Total	<u>3393</u>

Feeding Cases	Breast	912
	Bottle	1718
	Mixed	452
	Other	1626

Defects Found	Infants	Pre-School
Hernia	16	6
Phimosis	10	16
Congenital Malformation	7	
Eyes	19	29
Ears	21	20
Eczema	26	17
Impetigo	7	8
Mental Deficiency	2	1
Furunculosis	1	1
Malnutrition	8	14
Rickets	4	3
Tonsils	15	175
Adenoids	6	75
Diarrhoea	39	
Anaemia	5	1
Glands	4	23
Mouth	5	7
Throat	3	10
Intertrigo	2	
Scabies		5
Nose		15
Other Conditions	61	73





## No. cases referred to Family Physician:-

Infants	18
Pre-School	26
Total	<u>44</u>

## Infectious disease found at Clinic:-

Chicken Pox	3
Whooping Cough	6

## No. of deaths:-

Infants	8
Pre-School	<u>1</u>
Total	<u>9</u>

Immunization	No. having Diphtheria Toxoids completed	283
"	" Smallpox Vaccinations "	112
"	" Scarlet Fever " "	37
(These have been done in Health Department or by private Physician)		

Dental Clinic	No. cases treated	314
	" appointments not kept	49
	Extraction under anaesthetic at home	1
	No. cases treated by School Dentists	32
	No. appointments not kept	14
	Total	<u>347</u>

Eye, Ear, Nose, Throat Clinic.	Operations:-	
	Tonsils & Adenoids	76
	Adenoids only	2
	Removal part of Uvula	1
	Throat examination under anaesthetic	<u>1</u>
	Total	<u>80</u>

## Of these:-

59 were done free of charge after investigation.

10 paid hospital fee only.

11 paid full fee of \$10.00

\$60.00 was collected for Clinic fee.

\$ 5.00 was refunded.

## Treatments:-

Eye	452
Ear	230
Nose & throat	159

Of these 156 were new cases

Refractions & prescriptions for glasses 8

Home visit made by Doctor 1

Pre-Natal	Letters sent from Clinic	10
	Weekly classes by V.O.N.	





## Pre-School Clinic (Con't)

3-4 year	Since October:	
special	No. examined by School Doctors	159
examinations	No. Appointments not kept	148
	No. examined by Clinic Doctor	131
	(These figures included in above report)	

Donations We gratefully acknowledge the following donations:

3 gals. Cod Liver Oil from Good Cheer Club.

Cod Liver Oil & Infant foods from Mead, Johnson & Co.

Drugs (samples) from offices of Dr's. McEachern,  
Merritt, et al.

Milk from Hospital Aid.

Layettes from North Hill Club.

Clothes from private individuals.

Literature from the Metropolitan Life Insurance Co.

CALGARY TUBERCULOSIS SOCIETY

Again I have to remark that it is unfortunate that this presently indirect branch of City Health work is not under the complete control of this Department. As a matter of fact the Department does control approximately 75% of the activities, and might as well assume the entire responsibility. This Society has served the City for in the neighbourhood of 25 years and have done a splendid work, and during the year representations were made to the Department to have if possible the City assume in its entirety the work of the Society. This would mean that the City would take over the present Nurse (Miss Acton) and provide her with transportation. Such an undertaking would, I think, be most advantageous for the City, and I would be very glad of an opportunity to discuss ways and means of affecting complete control of this important Health Branch. The report of the Society follows:

Herewith is the report of the activities of the Calgary Tuberculosis Association for the year 1935.

The weekly chest clinic was held regularly, and shows a total of 42 clinics held. The loss of 10 clinics is explained by the fact of my summer holidays, examiners from the Central Alberta Sanatorium were unable to come in on two occasions, and also Christmas day and New Years' day fell on Wednesday. The clinics held, however, did accomplish valuable results in preventive work, by examination of contact cases and arrangements for institutional treatment for positive cases. With this established clinic we are able to keep in closer touch with patients who are discharged from the Sanatorium. In this way we have a knowledge of conditions in the home and in many instances we can correct defects in living and diet so that break-downs are prevented.

Visits to homes were carried out during the year, a total of 1431 calls being made, and the information gathered on these visits was acted upon, and is included in the attached report:





## Report of Tuberculosis Society (con't)

Clinics held	42
Patients attending	232
" examined	223
New patients examined	127
" T. B. cases	17
Ex. C. A. S. cases examined	26
Contacts	81
Suspects found	20
Examinations incomplete	8
HOME VISITS	1431

EDUCATIONAL

The interchange of correspondence and statistical matter continues between the City and Centres elsewhere, and the information received is not only valuable but very helpful. It is felt that this not only aids in our own problems, but what is more, brings about a sympathetic understanding of the problems of others.

Both Dr. Oakley and the Medical Health Officer have given a number of talks throughout the year on matters pertaining to Public Health and Preventive Medicine. It is hoped that a continuence of these requests will permit time to carry on this educational programme. The course of Lectures in Public Health were given in accordance with the demands of the University of Alberta, at both Hospitals by the Medical Health Officer to the student nurses.

The Public Health Nurses of the School Division continue to give instructional health talks to school groups. It is felt that these talks are of inestimable value to the growing child, and it is gratifying to note the enthusiastic reception given them. A great deal of literature having to do with matters pertaining to general health, communicable disease and such like, has been distributed throughout the year.

CONCLUSION

In concluding it might be here stated, that in addition to the general supervision of the entire Department, the Medical Health Officer has conducted some 2400 examinations, investigations and placements for the Relief Department. This seeming duty involves much in time and oftentimes patience, and it is hoped that the manner in which this work is done is reflected in an appreciation of the extension of fairness by the City to its relief recipients.

The Department wishes to express its most sincere thanks to His Worship the Mayor, the Commissioner, and the Members of the City Council for their help, support, and timely advice throughout the year. To the sub-committee of the Council and the





Calgary School Board for their painstaking effort in bringing about the Amalgamated Health Services. To Dr. W. H. Park, City of New York Health Department, for his valuable advice during the epidemic of Poliomyelitis. To The Metropolitan Life Insurance Co. for the furnishing of literature and the help their organization has always been. To The Provincial Department of Health and the Health Department of the City of Edmonton for their many courtesies. To The Calgary Tuberculosis Society for their work in Tuberculosis Control, and to the V.O.N. for the continued conduction of the Pre-natal Clinic, both valuable additions to our Health Work. To the Central Alberta Sanatorium Medical Staff for providing Specialist's attention at the weekly Chest Clinic, and their unstinted help at all times. To The Calgary Medical Society for their co-operation and advice, and to a number of Pharmaceutical Firms for continued provision of courtesy supplies of much value in our Child Welfare Clinics, their names appear in the report attaching to the Child Welfare Division.

The Medical Officer of Health wishes to take this opportunity to once again offer his heartfelt thanks individually to the men and women so intimately associated with him as the Staff of Health Department. Whilst not in the main appreciated, Health work and its many ramifications are onerous and profoundly responsible duties, calling for snap-judgment and no mistakes, intensive, exacting, and continuous, and it is not too much to say that the Staff's ever present devotion to duty, absolute co-operation, cheerfulness, and unswerving loyalty, have been a source of much comfort to him, and of inestimable value in bringing to a close a busy, and not unsuccessful year.

Respectfully submitted,

W. H. HILL, M.D. C.M. D.P.H.

Medical Officer of Health.

WHH/H





## FINANCIAL STATEMENT

	1935	1934
Salaries	15,115.84	14,921.53
Serums, Antitoxins, etc.	253.85	97.24
Disinfectants	138.94	44.30
Laboratory Charges (to City Lab.)	1,200.00	1,200.00
Auto Maintenance (2 City 5 Allowances)	2,001.76	2,368.79
Sundries	319.78	270.38
Stationery & Printing	229.86	243.13
Postage	145.00	119.72
Street Railway Tickets	150.00	150.00
Isolation Ambulance Hire	276.00	168.50
Milk Inspection Expenses	108.74	115.43
Meat Inspection Expenses (Rent, etc)	254.28	266.56
Rent of Health Dept. Offices	1,365.00	1,400.00
One New Coupe	733.50	----
	<u>22,292.55</u>	<u>21,365.58</u>
Baby & Pre-school Clinic Estimates		
Salary of one nurse	1,331.50	1,094.65
Professional Services (Attending Physician)	530.00	525.00
Street Railway Tickets	120.00	120.00
Specialists Services (E.E N & T)(Dentist)	1,535.00	1,583.00
Sundries	28.26	38.51
Rent of Clinic Rooms	390.00	400.00
	<u>3,934.76</u>	<u>3,761.16</u>
Total: Health Dept. and Clinic	\$ 26,227.31	\$ 25,126.74
	<u>=====</u>	<u>=====</u>

## EXPENDITURE FOR THE PAST FIVE YEARS

Year	1931	1932	1933	1934	1935
Total	30,487.37	29,142.02	26,554.03	25,126.74	26,227.31
Per Capita	36.6¢	34.9¢	31.8¢	30.1¢	31.5¢

## EXPENDITURE in 1935 SCHOOL MEDICAL AND DENTAL DEPARTMENT

Expended by School Board. 1st Jan. to 30th April . . .	12,117.18
Expended by Health Dept. 1st May to 31st December. (including purchase of supplies and equipment from School Board and remodelling offices). . . . .	21,178.04
	<u>\$ 33,295.22</u>

Per capita expenditure for School Medical and Dental Dept. 39.9¢



FINANCIAL STATEMENT

1934	1933	
14,921.82	18,118.84	Salaries
97.84	253.85	Garage, A. A. Linton, etc.
44.50	138.94	Dentalists
1,200.00	1,200.00	Laboratory Charges (to City Lab.)
2,388.72	2,001.78	Auto Maintenance (to City & Allowances)
270.38	212.78	Supplies
243.72	222.88	Stationery & Printing
112.72	145.00	Postage
150.00	150.00	Street Railway Tickets
158.50	275.00	Isolation Ambulance Hire
115.42	108.74	Medical Inspection Expenses
262.58	254.28	Meat Inspection Expenses (Rent, etc.)
1,400.00	1,365.00	Rent of Health Dept. Office
---	733.50	One New Coupe
21,362.58	22,322.58	

1934	1933	
1,094.66	1,321.50	Baby & Pre-school Clinic Estimates
225.00	230.00	Salary of one nurse
120.00	120.00	Professional Services (Attending Physician)
1,523.00	1,523.00	Street Railway Tickets
28.21	28.28	Specialists Services (E. H. & T. (Dentist))
400.00	390.00	Supplies
---	---	Rent of Clinic Rooms
2,751.16	2,934.76	
\$ 26,126.74	\$ 26,227.21	Total: Health Dept. and Clinic

EXPENDITURE FOR THE PAST FIVE YEARS

Year	1931	1932	1933	1934	1935
Total	30,487.37	29,142.02	26,554.03	25,126.74	26,227.21
Per Capita	26.64	24.94	21.84	20.14	21.54

EXPENDITURE IN 1935 SCHOOL MEDICAL AND DENTAL DEPARTMENT

Expended by School Board, Jan. 1st Jan. to 30th April. . . 12,117.18  
Expended by Health Dept. 1st May to 31st December.  
(including purchase of supplies and equipment  
from School Board and remodeling office). . . 21,178.04  
\$ 33,295.22  
For capita expenditure for School Medical and Dental Dept. 32.94





