

Contributors

Calgary (Alta.). Health Department.

Publication/Creation

[Place of publication not identified] : [s.n], [1950]

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CITY OF CALGARY

DEPARTMENT OF PUBLIC HEALTH

Annual Report for the Year 1950

LOCAL BOARD OF HEALTH OF THE CITY OF CALGARY

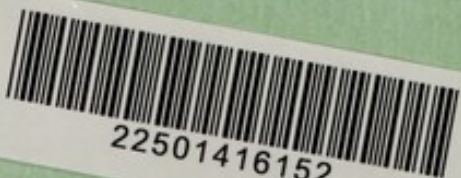
His Worship Mayor D. H. MACKAY, Chairman
and All Members of the City Council

Medical Officer of Health — W. H. HILL, B.A., M.D., C.M., D.P.H.

Asst. Medical Officer of Health — Leslie C. ALLAN,

M.D., Ch.B., D.P.H.

RCB / 35 p



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W.H. Hill. B.A. M.D. C.M. D.P.H. Medical Officer of Health. (right)

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C O N T E N T S

Vital Statistics	2 and 9 to 21
Marriages	2 and 9
Births	2 and 9
Illegitimate Births	3
Stillbirths	3 and 9
Deaths: Chief causes of	4, 5 and 10
International List of causes	17 to 21
by Age and Sex	16
of Infants	5 and 11
Maternal	6 and 12
Population	2 and 9
Communicable Diseases - Cases and Deaths	6, 13 and 22
Tuberculosis - Cases and Deaths	14
Typhoid Fever - Cases and Deaths	15
Immunization	6, 7 and 14
Quarantine and Disinfection	24
Sanitation	23 and 24
Meat and Food Inspection	24 and 25
Milk and Dairy Inspection	25 to 27
School Medical and Dental Services	31 to 34
School Nursing Service	32 and 33
Infant and Pre-School Clinic	29 and 30
Tuberculosis Association (Kinsmen's Club) Chest Clinic	35
Victorian Order of Nurses	36
Educational	7
Other Departments	7
Financial Statement	37
Sera and Vaccine Distributed	15
Conclusion	8

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His Worship The Mayor, Commissioner, and
Members of The City Council, constituting
The Local Board of Health of The City of Calgary.

Ladies and Gentlemen:

I beg to submit the annual report of the activities of the City Health Department for the year 1950.

VITAL STATISTICS

The rates in the several tables setting forth statistical data for the information of Council, are based on the population of 106,000 a figure arrived at by the City Clerk's Department in 1948. The actual population of the City at present is considerably in excess of this figure, and as a consequence the aforementioned rates will be approximate only. However, as 106,000 is the last official determination of the population, this department has perforce to gauge the City's Vital Statistics accordingly.

MARRIAGES

The number of marriages solemnized during 1950 was 1845, or a corresponding rate per thousand of population of 17.4. There is a slight increase in the number of marriages in comparison with 1949, when the number was 1812 and the rate 17.1. Previous reports have pointed out that a number of social factors influence the marriage rate, and that so called normal times and stabilization of population tend to a resulting constancy in the marriage figures. War time conditions have always shown an increase in the number of marriages, and with the present unsettled conditions in the far East, we must anticipate at this time the possibility (we hope remote) of an uptrend in the number and, of course, the rate of marriages.

BIRTHS

The number of births registered throughout the year was 4019, a decrease of 61 from 1949. The birth rate for 1950 shows as 37.9 per thousand population. The figures so far given under this heading are gross, and include births to mothers who ordinarily reside outside the city. The net or city births were 3094 in number and the rate 29.2.

Something of an analysis respecting the birth rate in general was covered in the 1948 report and it is not thought necessary to further undertake to clarify the picture at the present time.

The gross number of births (4019) includes 265 illegitimate, which shows an increase over the number reported in 1949 of 13, and represents 6.6% of the gross total of births. There were two sets of illegitimate twins, and two births to common-law wives.

The table on the following page setting forth the illegitimate births, gives an analysis of this social problem and much for thoughtful speculation. Reference to the age grouping of the mothers shows as usual the most births in the grouping from 20 to 24 years. Reports from all centres show increases in the illegitimate birth figure from year to year.

ILLEGITIMATE BIRTHS 1950

	City	Out	14	15	16	17	18	19	20 24	25 30	31& over	1st cld	2nd cld	Prev mgs	Total
Jan	15	11	-	-	1	4	2	2	10	5	2	23	3	1	26
Feb	6	7	-	-	-	-	-	1	8	2	2	10	3	1	13
Mar	19	4	-	-	1	-	1	-	14	7	-	18	5	3	23
April	16	9	-	-	-	1	2	3	12	5	2	17	8	4	25
May	16	15	1	-	1	1	5	3	14	4	2	24	7	3	31
June	14	5	-	-	-	1	3	1	11	3	-	17	2	1	19
July	10	6	-	-	1	1	-	-	10	2	2	13	3	2	16
August	20	8	-	-	1	3	5	2	11	5	1	24	4	1	28
Sept	12	7	-	-	1	1	-	5	10	-	2	15	4	4	19
Oct	19	4	-	1	-	1	2	4	9	3	3	20	3	1	23
Nov	12	7	-	-	-	1	-	4	10	2	2	13	6	5	19
Dec	14	9	-	1	-	-	1	4	9	5	3	16	7	2	23
Totals	173	92	1	2	6	14	21	29	128	43	21	210	55	28	265

STILLBIRTHS

The gross number of stillbirths registered was 67, showing a rate of 0.63 per thousand population. The net stillbirth rate is shown as 0.47 with 48 stillbirths born to resident mothers.

It will be observed that the figures - both gross and net - constitute the lowest for the five year period ending in 1950, an observation that is of moment when considering this problem of community life.

In dealing with stillbirths in the 1949 report, the following comment was made which it is felt will bear repetition:

"Stillbirth rates admittedly are low but the problem presented, reflecting as it does on both the birth rate and the infant death rate, should be of very grave communal concern. Theoretically there is no justification for stillbirths, but as it ever seems we will have to deal with facts, the situation constitutes at once a challenge to remedy and a stimulus to explore the complexities that collectively give rise to the problem with a view to effecting the remedy".

DEATHS

The gross death rate for the city in 1950 was 12.3 per thousand of population, represented by 1308 deaths. The net or actual city rate was 9.9 the number of deaths occurring among residents only being 1048. The gross figures are slightly less than in 1949. It will no doubt have been observed that the mortality tables, in so far as numbers and rates are concerned, show little in variation year by year. e.g. the gross death figures over the last five years in numbers are very approximate. This is accounted for by the fact that the populations of cities remain relatively static, and of course age.

It will be noted that sixty to seventy per cent and better of deaths recorded, occur amongst the age group of sixty years and upward.

It is impossible to differentiate between those who resided in the city before death and those who did not, and in the analysis of tables of causes of death, further remarks in connection with deaths and death rates will of necessity apply to the gross figure only.

The first six causes of death were as follows:

Diseases of the heart, arteries, kidneys and including apoplexy	554		
Cancer - all forms	242		
Violent and accidental deaths	71		
Pneumonia	31		
Diabetes	9		
Tuberculosis - all forms	<u>5</u>	912	
All other causes	<u>396</u>	<u>396</u>	<u>1308</u>

Diseases of the heart, arteries, kidneys, and including apoplexy.

The number of deaths reported in this category throughout the year shows a decrease of 44 in comparison with 1949. This fact unfortunately is of no particular significance for it may as well be that next year's figure will show a decided increase. Some years ago a good deal of stress was laid on the necessity for each one of us to undertake to be medical^{ly} examined once each year. Several of the insurance companies introduced programs of enablement and, what is more to the point, paid for the service instituted. A minority saw the wisdom of this move and availed themselves of an opportunity to be examined annually but by far the majority have failed to be impressed with the need, and as a consequence continue in their blindness, completely oblivious to what the hazards of life have indelibly marked them with. The heart can stand a lot of punishment, and it may be added has to, but having in mind that at present mortality tables show one in every two deaths is as the result of some form of heart disease, we would do well to realize that the time is now for us to undertake a little self-analysis. Peoples generally it would seem have reached the point where the very maximum must be exacted from life from every angle, and the only regret would appear to be the fact that the day is but twenty-four hours long.

Cancer - all forms (Malignant)

The number of deaths reported as being due to cancer was 242 an increase of 24 over 1949. Cancer continues to paint a very gloomy picture and exacts its toll today and in greater measure than it did thirty years ago. It is now some years ago since public consciousness was awakened to the fact that early

diagnosis provided the only hope of cure, and relatively speaking this is very true. We do know, however, that in many instances, early diagnosis does not happen to be early enough and, as a consequence, and in time, another death is added to the constantly growing total. In surgery and in radiology, in so far as treatment is concerned, lies our only chance of the eradication of this almost true parasite, and here the word chance must be stressed. More money is being set aside to encourage cancer research, for the very nature of the condition demands without delay that newer conceptions as to inciting cause be fully explored, suggesting without doubt new avenues of approach to treatment.

Violent and Accidental Deaths.

Violent and accidental deaths numbered 46 in 1949 as against 71 in the year 1950. Obviously there is an increase and at the same time a shameful and unnecessary situation. Somebody has been directly or indirectly responsible for each of these deaths. The reporting in connection with this cause of death for 1949 called attention to a decrease of 25 in the number of deaths as compared with 1948. The figure for 1950 shows an increase of 25 over 1949 and the reporting for 1950 is therefore exactly as it was in 1948.

It would seem that educational measures indulged in by Safety Councils and so forth are painfully slow in absorption by the general public. The majority of these deaths are closely related to automobile accidents in which carelessness, thoughtlessness, and out and out foolhardiness, to say nothing of alcohol, too often enter the picture.

Pneumonia.

Deaths under this heading numbered 31 during the year, a reduction of 14 when compared with 1949. Previous reports have attempted to stress the influence chemo-therapeutic measures have had on the course of the disease, which have been in effect the marked lessening in the number of deaths reported a decade ago. We still have to contend, however, with broncho-pneumonia in the aged and in infancy, or at a time when the hold on life is most feeble. There will always be deaths from pneumonia.

Diabetes.

Diabetes accounted for 9 deaths throughout the year. The figure is half the number reported in 1949. Previous reports have embodied a full analysis of diabetes and it is not thought necessary that repetition be indicated at this time.

Tuberculosis (all forms)

Five deaths were reported as being due to tuberculosis during 1950.

INFANT MORTALITY

The number of infant deaths registered was 111, a rate of 27.6 per one thousand live births. This reporting shows a slight improvement over the situation for 1949 when the number reported was 116 and the rate 28.4. These reportings include the deaths of non-resident babies and are therefore gross.

In reference to Table No.5, dealing with infant mortality, it will be observed, that in number and therefore rate, the 1950 reporting constitutes the lowest for the last five years.

It has been pointed out in previous reports that certain causes of infant deaths do not lend themselves to control, and as these causes accounted for 92 deaths, there remains but 19 in the group in which opportunities present in the effort to save a life. Calgary's figures for 1950 governing infant mortality are creditably low and would compare favorably with any reporting.

MATERNAL DEATHS

It is indeed a tragedy to have to report the deaths of mothers from causes attributable to the maternal state and in this regard 4 deaths were registered showing a rate of 1.0 per thousand live births. The figure and the rate are gross and include non-resident mothers. It should be pointed out that of the four deaths under this heading only one Calgary mother died. The net rate is therefore 0.25 per thousand live births.

COMMUNICABLE DISEASE

The total number of communicable disease cases reported during the year was 2119 of which 1658 were listed under the so called minor group.

Scarlet Fever showed an incidence of 414 cases which is the highest incidence of this disease since 1944.

The deaths occurring from communicable disease are as follows:

Pneumonia	31	
Influenza	4	
Ant. Poliomyelitis	3	
Puerperal septicaemia	1	(see maternal deaths)
Tuberculosis	5	(reported elsewhere)
	<u>44</u>	

IMMUNIZATION

There has been considerable demand for the services of this division of the department which continued throughout the whole of 1950. It would seem that a considerable number of citizens were prompted to visit the Old Country and had to be immunized as a legal requirement. This occasioned a part of the increase in this work. Then a large number of people who had come to Calgary during the time of the flood at Winnipeg, completed their protection against typhoid fever which had been started by the Winnipeg Health Department.

The department has concentrated on publicizing the need for children to be immunized against such diseases for which we have proved immunizing measures and we have had a very nice response in this regard.

The department has now arranged to carry in stock those agents required for the immunization of those people who are travelling to the Orient and other tropical countries.

The table on the following page shows the work of the nurses who carry on the immunization clinic.

It has been pointed out that certain cases of infant deaths have been reported, and in these cases accounted for 92 deaths, and in the group in which communicable diseases present in the case of the infant for 1930 showing infant mortality was slightly low and would compare favorably with the reported.

INFANT MORTALITY

It is pointed out that to have no record of infant deaths assigned to the infant alone and in this regard 8 deaths were registered showing a rate of 1.6 per thousand live births. The figure and the rate are given and include non-resident cases. It should be pointed out that of the four deaths under this heading only one infant was not dead. The net rate is therefore 1.5 per thousand live births.

COMMUNICABLE DISEASES

The total number of communicable diseases cases reported during the year was 1113 of which 1025 were listed under the so-called minor group. Scarlet fever ranked first in the number of cases which is the highest incidence of this disease since 1914.

The following table shows communicable diseases as follows:

Scarlet fever	37
Diphtheria	1
Whooping cough	3
Measles	1 (one natural death)
Polio	1 (reported death)
Total	43

DISCUSSION

There has been considerable interest shown for the service of this division of the department with respect to the whole of 1930, it would seem that a considerable number of citizens were prompted to visit the Old Country and had to be vaccinated as a local requirement. This constituted a part of the interest in this year. There a large number of people who had come to Calgary during the time of the flood at Winnipeg, completed their vaccination against typhoid fever which had been started by the Winnipeg Health Department. The department has concentrated on publicizing the need for children to be vaccinated against such diseases for which we have proved immunity measures and we have had a very nice response in this regard. The department has now arranged to carry in stock these agents needed for the immunization of those people who are travelling to the United States and other countries. The table on the following page shows the work of the division who carry on the immunization clinic.

PUBLIC HEALTH NURSES' REPORT

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Total
Inoculations	635	868	985	712	938	675	572	584	516	624	631	450	8190
Swabs taken	-	-	-	-	-	-	-	-	-	-	-	-	-
Vaccinations	67	112	124	141	174	110	56	136	87	81	79	33	1200
Dick Tests	2	4	42	-	-	-	2	1	-	32	1	-	84
Schick Tests	19	166	35	2	29	27	32	32	82	44	41	-	509
Tuberculin Tests	3	65	30	-	-	-	1	-	70	-	-	-	169
Investigations made	8	11	14	12	10	13	12	11	12	17	11	15	146
Total visits made	74	81	94	77	86	94	84	170	95	95	77	95	1122
First aid treatments given		2	1	1	1	2	2	1	2	-	1	2	15

OTHER DEPARTMENTS AND ASSOCIATIONS

A good deal of work has been undertaken for several other city departments, notably the Relief, Land, Legal, Police, Fire and Transit System. In the report for 1949 the nature of this work, all additional to what is understood as being routine, was listed. These added duties are very time consuming and largely attended to outside of office hours.

EDUCATIONAL

A good deal of progress is to be reported in regard to the department's educational program, and we never (hardly ever) fail to avail ourselves of the opportunity to further stimulate the public consciousness regarding the values that accrue from introducing measures designed in furthering and maintaining a healthy community.

A considerable quantity of literature covering most health phases has been distributed and many talks covering health matters have been given to organized and other groups. During the year a number of invitations were received to address meetings at outside points. These meetings were attended by the Medical Officer of Health and the Chief Inspector. Many of the talks were illustrated by films. It was reported last year that the department had been provided with a sound projector and screen by a grant from the Federal Government.

Reports of those in charge of various branches of the department are attached to this report.

CONCLUSION

The Health Department deeply appreciates the constructive help, kindly advice and guidance given throughout the year by the following:

His Worship The Mayor, Commissioner and Members of Council.
The Provincial Department of Health.
The Members of the Calgary and Separate School Boards.
The Superintendent and Staff of Central Alberta Sanatorium.
The Superintendent and Staff of the Provincial Mental Hospital.
The Alberta and the Calgary Tuberculosis Associations.
The Calgary Kinsmen's Club.
The Metropolitan Life Insurance Company.
The Victorian Order of Nurses.
The Calgary General Hospital and Staff.
The Calgary Medical Society.
The Calgary Daily Herald and the Calgary Albertan.
The Radio Broadcasting Stations.
The Heads and Staffs of the several City departments with whom we have been associated in the conduct of civic affairs.

The Medical Officer of Health again wishes to take the opportunity to offer his grateful thanks to the entire staff and its associates. The manner in which each and every member of the staff has performed his or her work is little short of remarkable, and the spirit of loyalty and cooperation that has always obtained adds much in incentive to go forward.

Respectfully submitted,

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

Medical Officer of Health.
City of Calgary, Alberta.

REPORT
ON THE
PROGRESS OF THE

The Health Department has the honor to acknowledge the receipt of the following report from the Board of Health of the City of New York:

His Honor the Mayor, Council Chamber, New York, January 1st, 1881.

The Board of Health of the City of New York, in accordance with the provisions of the Act of the Legislature of 1879, Chapter 100, has the honor to submit to you the following report on the progress of the Department during the year 1880.

The Board of Health of the City of New York, during the year 1880, has been engaged in the following work:

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The Board of Health of the City of New York, during the year 1880, has been engaged in the following work:

Respectfully submitted,

W. A. RICE, M.D., C.E., &c., &c.

Medical Officer of Health,
City of New York, Alton Place.

Vital Statistics Tables, in accordance with the form approved by The Canadian Public Health Association, follow:

VITAL STATISTICS REPORT

Population as shown by Government Census of June 1946 was 100,044
Population as estimated by City enumeration in June 1948 was 106,000

Live births 4019 Rate per 1,000 population 37.9
Stillbirths 67 Rate per 1,000 live births 0.63
Included in above were 925 non-resident births and
19 non-resident stillbirths.

TABLE. No. 1

LIVE BIRTHS 1946 - 1950

Year	Population	No. including non-resident	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1950	106,000	4019	37.9	3094	29.2
1949	106,000	4080	38.5	3186	30.1
1948	100,044	3835	38.3	2956	29.5
1947	100,044	4056	40.5	3049	30.47
1946	98,101	3451	35.2	2492	25.4

TABLE. No. 2

STILLBIRTHS. 1946 - 1950

Year	Population	No. including non-resident	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1950	106,000	67	0.63	48	0.47
1949	106,000	79	0.74	65	0.61
1948	100,044	77	0.77	54	0.54
1947	100,044	76	0.76	62	0.62
1946	98,101	77	0.79	62	0.64

MARRIAGES

Number performed in 1950 was 1845 Rate per 1,000 population 17.4

Vital Statistics Section, in accordance with the form approved by the Canadian Public Health Association, follows:

VITAL STATISTICS SECTION

Population as shown by Government Census of 1946 was 100,000
Population as estimated by City authorities in 1948 was 105,000

Live Births 1949 Rate per 1,000 population 27.9
Stillbirths 1949 Rate per 1,000 live births 0.63
Included in above were 225 non-resident births and
12 non-resident stillbirths.

TABLE No. 1

LIVE BIRTHS 1946 - 1949

Year	Population 10, including Rate per 1,000	non-resident population only	Rate per 1,000 population
1946	100,000	4019	37.9
1947	100,000	4030	37.9
1948	100,000	3872	38.3
1949	100,000	4074	40.7
1950	105,101	3951	37.1

TABLE No. 2

STILLBIRTHS 1946 - 1949

Year	Population 10, including Rate per 1,000	non-resident population only	Rate per 1,000 population
1946	100,000	67	0.63
1947	100,000	79	0.79
1948	100,000	77	0.77
1949	100,000	74	0.74
1950	105,101	77	0.73

TABLE No. 3

Further mentioned in 1949 was 1945 Rate per 1,000 population 17.4

DEATHS

From all causes a total of 1308 deaths were reported, being a rate of 12.3 per thousand population, including 260 deaths of non-residents

TABLE, No. 3MORTALITY RATE (exclusive of stillbirths) 1946-1950

Year	No. Deaths including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1950	1308	12.3	1048	9.9
1949	1329	12.5	1035	9.8
1948	1294	12.9	1028	10.3
1947	1200	11.99	966	9.65
1946	1209	12.3	899	9.2

TABLE, No. 4CHIEF CAUSES OF DEATHS 1948, 1949 and 1950

(total number including non-residents)

Cause of death	Number of deaths			Rate per 100,000		
	1950	1949	1948	1950	1949	1948
Diseases of the heart, arteries, and kidneys, including apoplexy	554	598	535	522.6	564.1	534.7
Cancer - all forms	242	218	194	228.3	205.7	193.9
Pneumonia	31	45	33	29.2	42.4	33.0
Violent and accidental deaths	71	46	71	67.0	43.4	70.9
Tuberculosis - all forms	5	6	8	4.7	5.7	7.9
Diabetes	9	18	10	8.5	17.0	9.9
Influenza	4	3	3	3.8	2.8	2.9
Communicable diseases (other than Tuberculosis, pneumonia and influenza)	3	1	5	2.8	0.9	4.9
All other causes	389	394	435	367.0	371.6	434.8
Totals	1308	1329	1294			

INFANT MORTALITY

The Infant Mortality Rate for the municipality, including deaths of non-residents, is presented in the following tables for the year 1950 and the preceding four years.

TABLE, No. 5

DEATHS OF INFANTS IN THE FIRST YEAR OF LIFE 1946-1950

(total number, including non-residents)

	1950	1949	1948	1947	1946
Number of infant deaths	111	116	141	126	151
Rate per 1,000 live births	27.6	28.4	36.8	31.0	43.8

Number of deaths of non-residents included in the above:
1950 - 26, 1949 - 35, 1948 - 31, 1947 - 25, and 1946 - 52

TABLE, No. 6

INFANT MORTALITY RATE BY CAUSES OF DEATHS 1946-1950

Causes of deaths	1950	1949	1948	1947	1946
1 Diarrhoea and enteritis	1	3	5	9	13
2 Pneumonia and influenza	8	10	17	11	14
3 Prematurity	50	47	47	50	43
4 Congenital debility and malformations	34	15	20	34	41
5 Injuries at birth	8	15	19	8	11
6 Acute communicable diseases (whooping cough, diphtheria, measles, scarlet fever, etc.)	-	-	5	1	-
7 Other causes	10	26	28	13	29

Of the 111 infant deaths registered this year, 35 occurred within the first twenty-four hours, 28 within the first week, and 14 died under the age of one month, representing 64.9 per cent of the total.

MATERNAL DEATHS

The number of deaths of mothers from puerperal causes was 4. There were 2 deaths of non-residents. The rate for the municipality is 1.0 per 1,000 live births

INFANT MORTALITY

The Infant Mortality Rate for the United States, including deaths of non-residents, is presented in the following table for the year 1950 and the preceding four years.

TABLE 1

DEATHS OF INFANTS IN THE UNITED STATES 1946-1950

(Total number, including non-residents)

Year	1946	1947	1948	1949	1950
Number of infant deaths	181	176	161	152	151
Rate per 1,000 live births	28.9	28.4	26.3	25.2	25.0

Number of deaths of non-residents included in the above:
1946 - 2, 1947 - 3, 1948 - 3, 1949 - 2, and 1950 - 2

TABLE 2

CAUSES OF DEATH OF INFANTS 1946-1950

Causes of death	1946	1947	1948	1949	1950
Birth and related	1	3	3	3	13
Respiratory and influenza	9	10	17	11	14
Gastrointestinal	30	40	47	50	43
Cardiovascular and malformations	34	13	20	34	41
Injuries at birth	8	13	19	8	11
Local communicable diseases (whooping cough, diphtheria, measles, scarlet fever, etc.)	-	-	2	1	-
Other causes	10	20	28	13	20

Of the 111 infant deaths registered this year, 35 occurred within the first twenty-four hours, 25 within the first week, and 19 died within the age of one month, representing 58.9 per cent of the total.

INFANT MORTALITY

The number of deaths of infants from preventable causes was 1. There were 2 deaths of non-residents. The rate for the United States is 25.0 per 1,000 live births.

TABLE. No. 7MATERNAL MORTALITY (including non-residents) 1946-1950

Year	Live births	Number of maternal deaths	Rate per 1,000 live births
1950	4019	4	1.0
1949	4080	3	0.7
1948	3835	5	1.3
1947	4056	3	0.98
1946	3451	6	1.8

Number of non-residents included in above:

1950 - 3, 1949 - 1, 1948 - 0, 1947 - 0, and 1946 - 3

TABLE. No. 8CAUSES OF MATERNAL DEATHS 1950

Cause of death	Number, including non-residents	Residents only
Abortions (septic and non-septic)	-	-
Puerperal toxæmias	1	-
Puerperal sepsis	1	1
Other puerperal causes	2	-

TABLE 10. 2

MATERNAL MORTALITY (Including non-residents)

Year	Live births	Number of maternal deaths	Rate per 1,000 live births
1930	4012	4	1.0
1931	4080	3	0.7
1932	3935	2	1.3
1933	4055	3	0.98
1934	3851	6	1.8

Number of non-residents included in above:

1930 - 3, 1931 - 1, 1932 - 0, 1933 - 0, and 1934 - 3

TABLE 10. 3

CAUSES OF MATERNAL DEATH IN 1934

Cause of death	Number, including non-residents only
Abortions (legal and non-legal)	-
Postnatal hemorrhage	1
Postnatal sepsis	1
Other postnatal causes	2

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

TABLE. No. 9

COMMUNICABLE DISEASES (residents only)

REPORTED CASES AND DEATHS FROM COMMUNICABLE DISEASES 1950

	Cases		0-4 years		5-14 years		15 & over		Totals	
	M	F	Cases	Dth's	Cases	Dth's	Cases	Dth's	Cases	Dth's
Cer. Spinal Meningitis	-	-	-	-	-	-	-	-	-	-
Chickenpox	267	235	111	-	374	-	17	-	502	-
Diphtheria	-	-	-	-	-	-	-	-	-	-
German Measles (Rubella)	138	142	43	-	217	-	20	-	280	-
Influenza	-	-	-	1	-	-	-	3	-	4
Measles	44	64	26	-	54	-	28	-	108	-
Mumps	396	352	66	-	634	-	48	-	748	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms)	-	-	-	8	-	-	-	23	-	31
Ant. Poliomyelitis	3	8	5	-	1	1	5	2	11	3
Puerperal Septicaemia	-	-	-	-	-	-	1	1	1	1
Scarlet Fever	205	209	97	-	288	-	29	-	414	-
Septic Sore Throat	-	-	-	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-	-	-	-
Tuberculosis (all forms)	15	24	1	-	2	-	36	-	39	-
Typhoid Fever	-	1	-	-	1	-	-	-	1	-
Tetanus	-	-	-	-	-	-	-	-	-	-
Undulant Fever	2	-	-	-	1	-	1	-	2	-
Whooping Cough	9	5	4	-	10	-	-	-	14	-
Totals:	1079	1040	353	9	1582	1	184	29	2119	39

[illegible]

14

TABLE. No. 10

Year	Cases	Number of deaths in City	Number of deaths in Sanatoria	Total deaths	Rate per 100,000 population
1950	39	5	13	18	17.0
1949	55	6	5	11	10.4
1948	43	8	11	19	18.9
1947	192	11	11	22	22.0
1946	87	7	10	17	17.3

REPORTED CASES AND DEATHS FROM SCARLET FEVER,
DIPHTHERIA, WHOOPING COUGH, and MEASLES, 1948-1950

There were no non-resident deaths from the above diseases in 1950

STATISTICAL REPORT 1954

Quantity of persons
treated by Health Dept.
(amount for)
Health Dept.

1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576	575	574	573	572	571	570	569	568	567	566	565	564	563	562	561	560	559	558	557	556	555	554	553	552	551	550	549	548	
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TABLE, No. 12REPORTED CASES AND DEATHS FROM TYPHOID FEVER 1946-1950

Year	Cases Residents only	Number of deaths including deaths of non-residents	Rate per 100,000 population includ- ing non-residents
1950	1	-	-
1949	-	-	-
1948	1	-	-
1947	2	-	-
1946	-	-	-

SERA AND VACCINE DISTRIBUTED FOR USE IN CALGARY

Diphtheria Antitoxin, syringe packages, 20,000 units	11
" " " " 5,000 "	-
" " " " 1,000 "	2
Scarlet Fever Antitoxin, syringes packages 9,000 units	267
" " " " 3,000 "	100
Diphtheria Toxoid, packages for one person	1157
" " " " twelve persons	20
Material for the Dick Test	77
Material for the Schick Test	101
Scarlet Fever Toxin, packages for one person	472
Smallpox Vaccine, number of capillary tubes,	5097
Typhoid and Paratyphoid Vaccine, 10 cc vials	102
" " " " pkgs for one person	116
Pertussis Vaccine, packages for one person	825
Combined Pertussis Vaccine and Diphtheria Toxoid, packages for one person	1093
Combined Pertussis Vaccine, Diphtheria Toxoid, and Tetanus Toxoid, packages for one person,	575
Gas Gangrene Antitoxin, pkgs of 4,000 units in vials	43
Tetanus Antitoxin, syringe packages, 1,500 units	177
" " " " 10,000 "	1
Staphylococcus Toxoid, 2 cc vials	33
Tetanus Toxoid, packages for one person	18
Anti-Measles Serum, 5 cc vials	26
Tetanus Toxoid & Typhoid and Paratyphoid Vaccine, (T.A.B.T) 3 cc vials	3

All the above mentioned material is supplied free by the Provincial Department of Health, Edmonton, and all are products of the Connaught Laboratories, University of Toronto, Toronto, Ontario.

CAUSES OF DEATH BY AGE AND SEX (gross) 1950

	Males	Females	under 24 hours	under one year	1 to 4 years	5 to 19 years	20 to 39 years	40 to 59 years	60 and over	Totals
1 Infective and Parasitic Diseases	11	6	-	-	-	3	3	4	7	17
2 Neoplasms	147	95	-	1	2	2	12	64	161	242
3 Allergic, Endocrine System, Metabolic and Nutritional Diseases	7	15	-	-	-	-	2	9	11	22
4 Diseases of the Blood and Blood-forming Organs	1	2	-	-	-	-	-	-	3	3
5 Mental, Psychoneurotic, and Personality Disorders	4	3	-	-	-	-	1	1	5	7
6 Diseases of the Nervous System and Sense Organs	43	34	-	2	1	2	4	10	58	77
7 Diseases of the Circulatory System	331	204	-	-	-	1	9	73	452	535
8 Diseases of the Respiratory System	35	14	-	10	1	1	-	7	30	49
9 Diseases of the Digestive System	43	24	-	-	2	-	3	23	39	67
10 Diseases of the Genito-Urinary System	20	11	-	-	-	2	3	5	21	31
11 Diseases and Complications of Pregnancy Childbirth and the Puerperium	-	4	-	-	-	-	4	-	-	4
12 Diseases of the Skin and Cellular Tissue	2	-	-	1	-	-	1	-	-	2
13 Diseases of the Bones and Organs of Movement	3	2	-	-	-	-	1	2	2	5
14 Congenital Malformations	7	19	4	19	2	-	-	1	-	26
15 Certain Diseases of Early Infancy	39	31	29	41	-	-	-	-	-	70
16 Symptoms, Senility, and Ill-defined Conditions	40	40	-	-	1	1	1	5	72	80
17 Accidents, Poisonings and Violence	49	22	1	3	3	5	12	14	33	71
TOTALS	782	526	34	77	12	17	56	218	894	1308
Supplementary Classifications for Stillbirths	33	34								67

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES,
INJURIES AND CAUSES OF DEATH

	M	F	City	Out	Total
002 Pulmonary Tuberculosis	2	1	2	1	3
011 Tuberculosis of intestines, peritoneum and mesenteric		1	1		1
017 Tuberculosis of adrenal glands	1		1		1
022 Aneurysm of aorta	3		2	1	3
023 Other cardiovascular syphilis	1	1		2	2
027 Other forms of syphilis	1		1		1
053.4 Septicaemia and pyaemia, organism unspecified	1	1	1	1	2
080.0 Poliomyelitis specified as bulbar or polio encephalitis	2			2	2
080.3 Poliomyelitis - unspecified		1	1		1
083 Late effects of infectious encephalitis		1	1		1
140 Malignant neoplasm of lip	2		1	1	2
141 Malignant neoplasm of tongue	1	1	2		2
143 Malignant neoplasm of floor of mouth	1		1		1
144 Malignant neoplasm of other parts of mouth and mouth unspecified	1		1		1
150 Malignant neoplasm of oesophagus	4	3	4	3	7
151 Malignant neoplasm of stomach	23	9	30	2	32
152 Malignant neoplasm of small intestine including duodenum	2		2		2
153 Malignant neoplasm of large intestine, except rectum	12	8	14	6	20
154 Malignant neoplasm of rectum	8	4	9	3	12
155 Malignant neoplasm of biliary passages and of liver	1	4	4	1	5
156 Malignant neoplasm of liver (secondary and unspecified)	4		3	1	4
157 Malignant neoplasm of pancreas	7	3	10		10
158 Malignant neoplasm of peritoneum	1	1	2		2
159 Malignant neoplasm of unspecified digestive organs	1		1		1
161 Malignant neoplasm of larynx	4	1	4	1	5
162 Malignant neoplasm of trachea, and of bronchus and lung, specified as primary	8		7	1	8
163 Malignant neoplasm of lung and bronchus, unspecified as to primary or secondary	7	3	9	1	10
170 Malignant neoplasm of breast		19	18	1	19
171 Malignant neoplasm of cervix uteri		5	3	2	5
172 Malignant neoplasm of corpus uteri		1	1		1
174 Malignant neoplasm of uterus, unspecified		1	1		1
175 Malignant neoplasm of ovary, Fallopian tube and broad ligament		8	7	1	8
176 Malignant neoplasm of other and unspecified female genital organs		3	2	1	3
177 Malignant neoplasm of prostate	14		9	5	14
178 Malignant neoplasm of testis	1			1	1
179 Malignant neoplasm of other or unspecified male genital organs	1			1	1
180 Malignant neoplasm of kidney	4	1	4	1	5
181 Malignant neoplasm of bladder and other urinary organs	6	3	5	4	9
190 Malignant neoplasm of skin	1		1		1
193 Malignant neoplasm of brain and other parts of nervous system	2	3	4	1	5
194 Malignant neoplasm of thyroid gland		1	1		1
195 Malignant neoplasm of other endocrine glands	1		1		1
196 Malignant neoplasm of bone (including jaw bone)	4	2	5	1	6
199 Malignant neoplasm of other and unspecified sites	7	4	8	3	11
200.1 Lymphosarcoma	1	1	2		2

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES

10TH REVISION AND CAUSES OF DEATH

Chapter	Section	Sub-section	Code	Number of cases	Number of deaths
I	A	1	001	1	1
I	A	2	002	1	1
I	A	3	003	1	1
I	A	4	004	1	1
I	A	5	005	1	1
I	A	6	006	1	1
I	A	7	007	1	1
I	A	8	008	1	1
I	A	9	009	1	1
I	A	10	010	1	1
I	A	11	011	1	1
I	A	12	012	1	1
I	A	13	013	1	1
I	A	14	014	1	1
I	A	15	015	1	1
I	A	16	016	1	1
I	A	17	017	1	1
I	A	18	018	1	1
I	A	19	019	1	1
I	A	20	020	1	1
I	A	21	021	1	1
I	A	22	022	1	1
I	A	23	023	1	1
I	A	24	024	1	1
I	A	25	025	1	1
I	A	26	026	1	1
I	A	27	027	1	1
I	A	28	028	1	1
I	A	29	029	1	1
I	A	30	030	1	1
I	A	31	031	1	1
I	A	32	032	1	1
I	A	33	033	1	1
I	A	34	034	1	1
I	A	35	035	1	1
I	A	36	036	1	1
I	A	37	037	1	1
I	A	38	038	1	1
I	A	39	039	1	1
I	A	40	040	1	1
I	A	41	041	1	1
I	A	42	042	1	1
I	A	43	043	1	1
I	A	44	044	1	1
I	A	45	045	1	1
I	A	46	046	1	1
I	A	47	047	1	1
I	A	48	048	1	1
I	A	49	049	1	1
I	A	50	050	1	1
I	A	51	051	1	1
I	A	52	052	1	1
I	A	53	053	1	1
I	A	54	054	1	1
I	A	55	055	1	1
I	A	56	056	1	1
I	A	57	057	1	1
I	A	58	058	1	1
I	A	59	059	1	1
I	A	60	060	1	1
I	A	61	061	1	1
I	A	62	062	1	1
I	A	63	063	1	1
I	A	64	064	1	1
I	A	65	065	1	1
I	A	66	066	1	1
I	A	67	067	1	1
I	A	68	068	1	1
I	A	69	069	1	1
I	A	70	070	1	1
I	A	71	071	1	1
I	A	72	072	1	1
I	A	73	073	1	1
I	A	74	074	1	1
I	A	75	075	1	1
I	A	76	076	1	1
I	A	77	077	1	1
I	A	78	078	1	1
I	A	79	079	1	1
I	A	80	080	1	1
I	A	81	081	1	1
I	A	82	082	1	1
I	A	83	083	1	1
I	A	84	084	1	1
I	A	85	085	1	1
I	A	86	086	1	1
I	A	87	087	1	1
I	A	88	088	1	1
I	A	89	089	1	1
I	A	90	090	1	1
I	A	91	091	1	1
I	A	92	092	1	1
I	A	93	093	1	1
I	A	94	094	1	1
I	A	95	095	1	1
I	A	96	096	1	1
I	A	97	097	1	1
I	A	98	098	1	1
I	A	99	099	1	1
I	A	100	100	1	1

	18				
	M	F	City	Out	Total
	140	95	186	49	235
200.2 Other primary malignant neoplasms of lymphoid tissue		2	1	1	2
201 Hodgkin's disease	7		6	1	7
203 Multiple myeloma		1	1		1
204.0 Lymphatic leukemia	3	2	3	2	5
204.1 Myeloid leukemia	1	1	1	1	2
204.4 Other and unspecified leukemia	1		1		1
211 Benign neoplasm of other parts of digestive system	1			1	1
212 Benign neoplasm of respiratory system	1			1	1
214 Uterine fibromyoma		1	1		1
219 Benign neoplasm of kidney and other urinary organs	1		1		1
223 Benign neoplasm of brain and other parts of nervous system	1		1		1
237 Neoplasm of unspecified nature of brain and other parts of nervous system	1		1		1
241 Asthma	2	4	4	2	6
252.0 Toxic diffuse goitre		3	3		3
252.1 Toxic nodular goitre		1		1	1
260 Diabetes mellitus	4	5	6	3	9
270 Disorders of pancreatic internal secretion other than diabetes mellitus	1		1		1
271.1 Hypothyroidism		1	1		1
274 Diseases of adrenal glands		1	1		1
290.0 Pernicious anaemia	1	1	2		2
299 Other diseases of blood-forming organs		1	1		1
304 Senile psychosis		3	3		3
322.0 Acute alcoholism	3		2	1	3
322.1 Chronic alcoholism	1		1		1
330 Subarachnoid hemorrhage	1		1		1
331 Cerebral hemorrhage	19	12	27	4	31
332 Cerebral embolism and thrombosis	4	6	7	3	10
334 Other and ill-defined vascular lesions affecting central nervous system	10	7	12	5	17
340.0 Meningitis, H. influenzae					-
340.1 Meningitis, Pneumonococcus	1		1		1
340.2 Meningitis, due to unspecified organism		1	1		1
340.3 Meningitis, unspecified cause	1			1	1
343 Encephalitis, myelitis, and encephalomyelitis (except acute infections)	1			1	1
345 Multiple sclerosis	4	2	4	2	6
350 Paralysis agitans	1	2	3		3
352 Other cerebral paralysis		3	2	1	3
353.3 Epilepsy, other and undefined	1		1		1
355 Other diseases of brain		1		1	1
401.3 Active rheumatic fever, with other and multiple types of heart involvement		2	1	1	2
410 Diseases of mitral valve	3		3		3
416 Other heart disease specified as rheumatic	6	1	6	1	7
420.0 Arteriosclerotic heart disease so described	18	15	25	8	33
420.1 Heart disease specified as involving coronary arteries	125	33	127	31	158
421.4 Chronic endocarditis not specified as asthmatic	2	1	3		3
422.0 Other myocardial degeneration, Fatty degeneration	2	1	2	1	3
422.1 Other myocardial degeneration, with arteriosclerosis	14	7	19	2	21
422.2 Other myocardial degeneration, others	21	20	38	3	41
frwd	403	236	511	128	639

	19				
	M	F	City	Out	Total
	403	236	511	128	639
431 Acute myocarditis not specified as rheumatic		1		1	1
433.1 Functional diseases of the heart, other disorders of heart rythm	5	3	7	1	8
434.0 Kyphoscoliotic heart disease		1	1		1
434.1 Congenital heart failure	1	1	2		2
434.2 Left ventricular failure	1	2	3		3
434.3 Other and unspecified disease of the heart		2	2		2
440 Essential benign hypertension with heart disease	6	5	9	2	11
441 Essential malignant hypertension with heart disease	2		1	1	2
442 Hypertensive heart disease with arteriolar nephrosclerosis	9	9	13	5	18
443 Other and unspecified hypertensive heart disease	4	2	5	1	6
444 Essential benign hypertension without mention of heart	11	18	26	3	29
446 Hypertension with arteriolar nephrosclerosis without mention of heart	1		1		1
447 Other hypertensive disease without mention of heart	2	2	3	1	4
450 General arteriosclerosis without mention of gangrene	88	73	140	21	161
451 Acute aneurysm specified as non-syphilitic and dissecting aneurysm	2	1	2	1	3
452 Other aneurysm, except of heart and aorta	1	1		2	2
455 Gangrene of unspecified cause	1			1	1
460 Varicose veins of lower extremities	1	1	2		2
462.1 Varicose veins of oesophagus	1		1		1
464 Phlebitis and thrombophlebitis of other sites	2		1	1	2
465 Pulmonary embolism and infarction	1	2	1	2	3
466 Other venous embolism and thrombosis	1		1		1
470 Acute nasopharyngitis (common cold)	2		2		2
480 Influenza with pneumonia	1	2	3		3
481 Influenza with other respiratory manifestations and influenza unqualified	1		1		1
490 Lobar pneumonia	8	2	8	2	10
491 Bronchopneumonia	13	7	15	5	20
492 Primary atypical pneumonia	1		1		1
500 Bronchitis - acute	1		1		1
502.0 Chronic bronchitis with emphysema	2	1	2	1	3
502.1 Chronic bronchitis - other	1		1		1
517 Other diseases of respiratory tract		1	1		1
521 Abscess of lung	2	1	1	2	3
522 Pulmonary congestion and hypotasis	2		1	1	2
527.1 Emphysema without mention of bronchitis	1		1		1
539.1 Diseases of oesophagus - other	3		3		3
540.0 Ulcer of stomach, without mention of perforation	6	2	7	1	8
540.1 Ulcer of stomach with perforation		1	1		1
541.0 Ulcer of duodenum without mention of perforation	8		6	2	8
550 Acute appendicitis without mention of peritonitis					-
550.1 Acute appendicitis with peritonitis	3		2	1	3
561.5 Hernia of abdominal cavity with obstruction, unspecified site		1	1		1
570.2 Intestinal obstruction without mention of hernia, mesenteric infarction	1	1	1	1	2
570.3 Intestinal obstruction without mention of hernia, volvulus	1		1		1
570.5 Intestinal obstructions without mention of hernia, others	2		1	1	2
571.1 Gastro-enteritis, except ulcerative, 2 yrs and over	1			1	1
572.1 Chronic enteritis and ulcerative colitis, diverticulitis	1	2	2	1	3

frwd

604 361 795 190 985

	M	F	City	Out	20 Total
	604	381	795	190	985

572.2 Ulcerative colitis		1		1	1
572.3 Chronic enteritis and ulcerative colitis - others	1	1	2		2
576 Peritonitis	1			1	1
577 Peritoneal adhesion	2		2		2
578 Other diseases of intestines and peritoneum		3		3	3
580 Acute and subacute yellow atrophy of liver	1		1		1
581. Cirrhosis of liver, without mention of alcoholism	4	4	7	1	8
581.1 Cirrhosis of liver, with mention of alcoholism		1	1		1
584 Cholelithiasis	3	4	5	2	7
585 Cholecystitis with mention of calculi	3	2	5		5
586 Other diseases of gallbladder and biliary ducts		1	1		1
587.0 Diseases of pancreas - acute pancreatitis	1		1		1
587.1 Diseases of pancreas - chronic					-
587.2 Diseases of pancreas - other diseases	1		1		1
590 Acute nephritis	1			1	1
592 Chronic nephritis	5	6	9	2	11
593 Nephritis - not specified as acute or chronic	1	2	2	1	3
600 Infections of kidney, Pyelitis, pyelocystitis, and pyelonephritis	2		2		2
600.1 Abscess of kidney and perirenal tissue					-
601 Hydronephrosis	1		1		1
604 Calculi of other parts of urinary system	1		1		1
605 Cystitis	2	1	3		3
610 Hyperplasia of prostate	7		4	3	7
631 Uterovaginal prolapse		1		1	1
632 Malposition of uterus		1	1		1
642.5 Toxaemias of pregnancy - other		1		1	1
681 Sepsis of childbirth and the puerperium		1	1		1
682 Puerperal phlebitis and thrombosis		1		1	1
687 Cerebral hemorrhage in the puerperium		1		1	1
701 Eczema	1		1		1
705.4 Erythematous conditions - lupus erythematosus	1		1		1
722 Rheumatoid arthritis		1	1		1
7230 Osteo arthritis	1		1		1
723.1 Spondylitis osteo-arthritis	1		1		1
744.0 Other diseases of muscle, tendon and fascia, Myasthenia gravis		1	1		1
744.2 Other diseases of muscle, tendon and fascia - other	1		1		1
750 Monstrosity	1	1	2		2
751 Spina bifida and meningocele		3	1	2	3
752 Congenital hydrocephalus		5	4	1	5
753.1 Other congenital malformations of nervous system and sense organs - other	2	1	1	2	3
754.2 Congenital malformations of circulatory system, Interventricular septal defect		1	1		1
754.4 Congenital malformations of circulatory system, other unspecified malformations of heart	1	2	3		3
754.6 Other circulatory malformations		1	1		1
756.2 Congenital malformations of digestive system, others	3	4	4	3	7
759 Other and unspecified malformations not elsewhere classified		1	1		1
760.0 Intracranial and spinal injury at birth, without mention of immaturity	4	3	6	1	7
761.0 Other birth injury - without mention of immaturity		1	1		1
762.0 Postnatal asphyxia and atelectasis, without mention of immaturity		3	1	2	4

frwd

660	439	879	220	1099
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	M	F	City	Out	21 Total
	660	439	879	220	1099
762.5 Postnatal asphyxia and actelectasis with immaturity	2		1	1	2
764.0 Diarrhoea of newborn without mention of immaturity	1		1		1
768.0 Other sepsis of newborn without mention of immaturity		1	1		1
770.0 Erythroblastosis without mention of nervous affection of immaturity	2		1	1	2
7710 Hemorrhagic diseases of newborn without mention of immaturity	1		1		1
773.0 Ill-defined diseases peculiar to early infancy without mention of immaturity	1		1		1
774 Immaturity without mention of any other subsidiary cdtn	15	19	28	6	34
776 Immaturity unqualified	10	6	11	5	16
782.4 Symptoms referable to cardiovascular and lymphatic system; acute heart failure undefined	8	2	8	2	10
782.9 Shock without mention of trauma	1		1		1
794 Senility without mention of psychosis	22	32	46	8	54
795.0 Other ill-defined conditions	1		1		1
795.5 Other unknown and unspecified conditions	8	6	10	4	14
E800 Railroad accident involving employee	1		1		1
E801 Railroad accident involving passenger		1		1	1
E802 Railroad accident involving other or unspecified person	2		2		2
E810 Motor vehicle traffic accident involving collision with train			1	1	1
E812 Motor vehicle traffic accident to pedestrian	8	3	11		11
E822 Motor vehicle traffic accident involving overturning in roadway	2			2	2
E824 Other non-collision motor vehicle traffic accident	1		1		1
E845 Other nonmotor road vehicle accidents		1	1		1
E866 Other and unspecified aircraft accidents	1		1		1
E888 Accidental poisoning by other and unspecified solid and liquid substances	1		1		1
E900 Fall on stairs	2		2		2
E901 Fall from ladders	1		1		1
E902 Other falls from one level to another	7	2	9		9
E903 Falls on same level	1	8	7	2	9
E910 Blow from falling object	1		1		1
E911 Accident caused by vehicle	1		1		1
E912 Accident caused by machinery	3			3	3
E919 Accident caused by firearm	2		2		2
E921 Inhalation and ingestion of food causing obstruction or suffocation	1	1	2		2
E924 Accidental mechanical suffocation in bed and cradle	2		2		2
E929 Accidental drowning and submersion	2	2	3	1	4
E932 Excessive cold	1			1	1
E936 Other and unspecified accidents	1			1	1
E974 Suicide and self-inflicted injury by hanging and strangulation	3	1	3	1	4
E975 Suicide and self-inflicted injury by submersion (drowning)	1	2	2	1	3
E976 Suicide and self-inflicted injury by firearms and explosives	3		3		3
E981 Assault by firearm and explosive	1		1		1
Totals	781	527	1048	260	1308

COMMUNICABLE DISEASES REPORTED 1950

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Chickenpox	18	16	19	23	74	25	16	15	20	72	134	70	502
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	1	1	-	-	-	-	-	2
Measles	12	15	11	17	14	6	9	3	1	5	7	8	108
Meningitis (Meningococcic)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mumps	16	32	68	63	66	26	16	13	23	41	175	209	748
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant. Poliomyelitis	-	-	-	-	-	-	-	5	2	3	1	-	11
Rubella (German Measles)	18	36	30	28	41	86	11	2	2	8	11	7	280
Scarlet Fever	57	39	60	38	46	27	16	8	5	20	50	48	414
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Pul. Tuberculosis	3	7	2	1	3	-	4	-	4	6	3	6	39
Typhoid Fever	-	-	-	-	-	-	-	1	-	-	-	-	1
Undulant Fever	-	-	-	-	-	-	-	-	-	2	-	-	2
Whooping Cough	-	-	-	1	-	-	2	-	5	1	4	1	14
Totals:	124	145	190	171	244	171	75	47	62	158	385	349	2121

Not included in the above are the following cases brought to Calgary from out-of-town for treatment in Calgary Hospitals.

Scarlet Fever	30	Undulant Fever	2
Ant. Poliomyelitis	11	Typhoid Fever	1

W. H. HILL, Esq., M.D. C.M. D.P.H.
 Medical Officer of Health.
 City of Calgary, Alberta.

Dear Sir:

The following is a report of the activities of the Sanitation Branch of the Health Department for the year 1950.

GENERAL SANITATION

The duties of the several sanitary inspectors have been effectively discharged throughout the year. The amount of work confronting the inspectors in their respective districts is becoming increasingly heavy and it is impossible to make inspections as frequently as is necessary for proper supervision. It is hoped this situation will be alleviated in 1951 by the addition of two more inspectors to the staff.

Considerable progress has been made in raising the standard of efficiency in the operation of restaurants in the city. The cooperation of the operators in this regard has been excellent and we look forward to further improvement in the coming year. In July the department began the issuing of cards of approval to those restaurants that fulfilled the departmental requirements in every respect. This sign of approval may be placed in a conspicuous place in the restaurant and the majority of operators are keen to obtain such approval.

During the months of May and June, one inspector was loaned to the City of Winnipeg to assist the authorities there in their efforts to safeguard the public health following the disastrous flood. This inspector was in Winnipeg and surrounding district for twenty-four days and his experience there and the knowledge gained proved most valuable during and after the December flood in Calgary.

The Bow River flood in Calgary in December caused the activities of this branch to be greatly intensified. At the height of the flood the men voluntarily went out at night and assisted in the filling of sandbags. When the river had subsided to the point where inspections could be made, the men worked a great many hours overtime in an effort to clean up the situation as quickly as possible. A total of 217 homes were inspected and 51 were temporarily condemned. In all cases instructions were given in regard to cleansing and disinfection. Food stores and warehouses in the flooded area were thoroughly investigated and it was found necessary to condemn foodstuffs to an approximate value of \$70,000.00 and in addition 1,400 gallons of beer were condemned. Difficulty was experienced at the City Dump by people attempting to salvage foodstuffs dumped there. It was found necessary to place a guard there until all of this foodstuff had been definitely destroyed. All of this work, of course, was in addition to the inspectors regular duties as shown in the statistics.

During the week of the Calgary Stampede, the usual annual problems were presented and a continual supervision of the food and drink stands in the Exhibition Grounds was exercised. Fifty pounds of ground beef found to contain a preservative, was seized and destroyed and the butcher concerned given a warning.

In spite of the extensive building program that has been maintained in Calgary over the past several years, the housing situation insofar as it affects those citizens in low income brackets continues to be grave. Some families are living in buildings that were never intended for human occupation but because of their inability to pay the rents asked for available accommodation, are forced to remain in undesirable premises. The staff has studied and discussed this question over and over again but so far have not been able

to find a satisfactory answer to the problem.

The following table gives details of the work for the year:

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Inspections made	939	971	1120	961	1083	953	1855	844	1013	1286	1152	1141	13318
Notices - written	10	7	14	12	18	11	11	6	5	13	7	7	121
Notices - verbal	109	106	203	237	321	195	279	202	227	278	258	268	2683
Complaints received	31	27	35	53	70	59	68	77	49	48	50	23	590
Complaints justified	27	23	30	34	56	42	53	65	46	38	35	18	467

FOOD INSPECTION

The inspector responsible for this work has been kept very busy during the year, making checks on foodstuffs in all eating and drinking establishments, bakeries, butcher shops and grocery stores. He also assists the dairy plant inspector in the sampling of milk supplies and relieves the quarantine inspector one day in each week.

The following foodstuffs were condemned and destroyed during the year:

50 lbs lard	30 lbs grapes
150 lbs flour	12 lbs tomatoes
25 lbs pastries and cakes	72 lbs hamburger
28 turkeys	17 lbs bananas
15 lbs mixed candies	20 watermelons

This inspector has also attended to all reports of rats in the City. In the early part of the year about eight rats were found in box cars. These had been frozen during transit. Several reports were received during the year of rats in various parts of the city. All reports were investigated and found to be either muskrats or moles.

QUARANTINE

The number of calls made by the quarantine inspector has increased considerably over the previous year. In addition to his duties in connection with communicable diseases, he has been detailed to the sanitary supervision of the outlying districts of Millican Estate, Valleyfield, Ogden, Nose Creek and Belfast Subdivision and recently the Windsor Park area taken into the city.

The following table shows details of this work for the year:

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Houses quarantined	56	36	71	37	44	28	16	30	8	19	45	47	437
Released from quarantine	56	40	59	40	43	27	16	30	11	16	41	50	429
Patients moved to hospital	49	37	54	32	36	24	16	14	6	24	49	47	388
Other calls made	142	173	196	112	129	141	378	128	114	155	102	126	1896

2003-2004

MEAT INSPECTION

The City's Meat Inspection Service has been attended to at the abattoir of Mr. George Leimbock, where both anti-mortem and post-mortem examinations are conducted by a competent Veterinary Inspector. The following table shows the work in this connection. Inspections at the other plants in Calgary are carried out by Veterinary Inspectors of the Dominion Government Department of Agriculture.

MEAT INSPECTION REPORT

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
SUBMITTED													
Beef	234	221	258	197	189	239	212	210	236	258	309	214	2777
Veal	230	219	227	257	190	171	128	216	198	170	228	132	2366
Hogs	190	142	114	106	139	102	94	85	104	95	156	114	1441
Sheep and lamb	28	-	7	19	23	4	14	23	27	4	4	12	165
CONDEMNED													
Beef	-	1	-	-	-	-	-	$\frac{1}{4}$	2	-	3	$1\frac{1}{4}$	$7\frac{1}{2}$
Veal	-	1	2	-	-	-	1	-	-	-	-	$\frac{1}{2}$	$4\frac{1}{2}$
Hogs	1	-	-	-	1	-	-	-	1	-	-	-	3
Sheep and lamb	-	-	-	-	1	-	-	-	-	-	-	-	1

Portions condemned:

Beef heads and tongues	86	Veal heads and tongues	4
Beef Hearts	31	Veal hearts	1
Beef livers	300	Veal livers	5
Hog heads and tongues	175	Sheep livers	70
Hog hearts	47		
Hog livers	220		

MILK AND DAIRY INSPECTION

The work of this branch of departmental activities is becoming increasingly heavy and taxes the ability of the two inspectors to maintain their many duties which have been carried out with the utmost in efficiency.

The consumption of milk and cream during the year increased by some 750,000 quarts and it became evident in the early months of the year that some effort should be made to assist the milk companies to procure further milk supplies. This necessitated considerable travelling on the part of the dairy farm inspector and resulted in the granting of permits to 26 new producers.

The Calgary milk shed now extends from Red Deer in the North to Carbon on the East, to Okotoks in the South and to Jumping Pound in the West, and comprises some 32,000 square miles. Throughout this area there are 322 licensed dairy farms that must be inspected as frequently as the inspector can cover the ground.

It is worth mentioning here that over the past twenty years the use of mechanical milking machines has increased from approximately 25% to practically 100%. This situation has brought to the fore the necessity for considerable instructional work by this department on the proper methods of

cleansing and sterilizing such equipment. On August 25th 1950, the Health Department, in conjunction with the four milk distributing companies, and the dairy equipment supply companies, held a school of instruction on Dairy Farm Sanitation. The course was held in the Pavilion at the Exhibition Grounds and 150 interested persons were registered. The several dairy supply houses loaned equipment and materials, instructional lectures and demonstrations were given by members of the Health Department staff, Mr. Graham Anderson, District Agriculturist, and Dr. H. R. Thornton, Department of Dairying, University of Alberta. All expense for this project was borne by the four milk distributing companies for which we are duly appreciative. It was a most successful experiment and subsequent tests of producers milk have shown a marked improvement in sanitation on the dairy farm.

Early in the year the services of the Provincial Laboratory, Southern Branch, situated near the Central Alberta Sanatorium, were extended to us and we immediately availed ourselves of the opportunity to increase our bacteriological tests. The Director, Dr. D. Shute, has been most helpful and cooperative. The fact that we can place complete confidence in his technical ability is most gratifying.

The work of the dairy plant inspector has increased due to the increase in shippers samples and the corresponding increase in statistical records. Checking and testing of plant equipment is carried forward continuously and his efforts have been rewarded by the installation of many thousands of dollars worth of equipment in the several plants.

On behalf of the department I extend my sincere thanks and appreciation for the kindly assistance and cooperation from the following:

The Cooperative Milk Company.
 The Model Dairies Limited
 The Palm Dairies Limited.
 The Union Milk Company Limited.
 Dr. H. C. Storey, Chief Inspector, Dominion Government Department
 of Agriculture, Health of Animals Branch.
 Dr. D. Schute, Director, Provincial Laboratory, Southern Branch.
 Mr. J. B. Moore, Inspector, Milk Control, Public Utilities Commission.

MILK AND DAIRY INSPECTION REPORT

Of the 5740 methylene blue reductase tests of producers samples of milk, 65.3% were grade one, 21.9% grade two, and 12.8% grade three

Of the 5586 sediment tests of producers samples of milk 95.2% were good, 2.4% were fair, and 2.4% were bad.

Sediment tests applied to 505 samples of milk taken at random from distributors wagons all proved to be good.

The phosphatase test was applied to 510 samples of pasteurized milk and all but one sample proved that pasteurization had been efficient.

The butter fat test was applied to 579 samples of milk and cream with the following average results for the year:

Standard milk	3.63%	Nursery milk	3.45%
Jersey milk	4.73%	Homogenized milk	3.4%
Sub-standard cream	10.21%	Cream	34.3%

According to information supplied by the Board of Utility Commissioners, for the Province of Alberta, who control the economic phase of the milk supply in the several cities in Alberta, the sales of milk and cream in Calgary were as follows:

Total sales of milk (all pasteurized - voluntarily)	14,900,219 quarts
Total sales of cream	1,435,046 "

The daily consumption of milk per capita in 1950 was 0.79 pints an increase of 0.04 pints over 1949.

The daily consumption of cream per capita in 1950 was 0.074 pints.

MILK AND DAIRY INSPECTION

27

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Inspections in country	45	57	86	73	93	97	39	120	114	83	83	62	952
Inspections in city	64	73	79	69	78	75	73	91	30	61	58	73	824
Complaints received	-	-	3	1	1	-	1	1	-	2	2	-	11
Complaints that were justified	-	-	-	1	-	-	1	1	-	2	2	-	7
Notices issued - written	60	168	146	187	80	86	199	201	41	61	68	62	1354
Notices issued - verbal	39	43	54	37	61	53	26	41	28	32	50	57	521
Licenses suspended	-	-	5	-	3	3	6	7	-	3	2	1	28
Permits issued to dairymen	296	2	3	-	3	4	1	-	1	1	4	7	322
" " cowkeepers	43	-	-	-	-	-	-	-	-	1	1	-	45
" " pasteurizing plants	5	-	-	-	-	-	-	-	-	-	-	-	5
" " distributors	5	-	-	-	-	-	-	-	-	-	-	-	5
Producers Sediment Tests	599	487	521	491	507	487	446	463	209	505	489	498	5702
" Reductase Tests	599	487	523	491	507	487	446	468	209	506	489	498	5710
" Microscopic Tests	3	4	20	5	2	3	2	4	-	6	4	3	56
" total samples	498	974	1044	1078	1004	974	892	931	408	1011	978	1040	11532
Milk condemned, lbs.	-	-	-	240	320	960	80	32	-	-	452	720	2804
Milk cans condemned, No.	-	-	17	1	11	3	-	2	-	7	2	-	43
Retailers Sediment Tests	42	40	40	40	43	40	40	44	44	48	42	12	505
" Specific Gravity Tests	42	40	40	40	40	40	40	48	48	48	48	48	522
" Butter Fat Tests	50	48	49	48	48	48	48	48	48	48	48	48	579
" Phosphatase Tests	42	40	40	40	40	40	40	48	48	48	42	42	510
" Total samples	88	83	99	90	99	72	87	91	91	78	72	78	1028
Bacteriological Tests	38	175	50	105	169	147	195	43	43	3	55	30	1053
Total milk and cream samples	1286	1057	1143	1168	1115	1046	979	1022	499	1089	1183	1128	12715
Water samples taken	1	2	-	-	-	-	2	-	2	1	-	1	9

STATE OF TEXAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000

CONCLUSION

I would take this opportunity to express my appreciation to all members of the sanitation staff for their cooperation with me and their willingness and efficiency in the performance of their duties.

I also wish to thank you, Sir, on behalf of all the inspectors, for the kindly manner in which you have given us counsel and advice on the many problems with which we have been confronted throughout the year.

Respectfully submitted,

W. PILLIDGE. C.S.I (C)

Chief Inspector.

REPORT ON CHILD HYGIENE CLINICS

(Infant and Pre-School)

CALGARY, ALBERTAFor the year 1950

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

Dear Doctor Hill:

The following is a report of the activities of the Infant and Pre-School Clinic for the year 1950.

Attendance: Infants 8,865 Pre-School 3,386 Total attendance 12,251

172 cases were from outside the City. These do not have the services of the doctors.

1,468 complete physical examinations were given to children between the ages of 3 and 4 years. Of these 924 were found to be O.K. Miss appointments were 501.

New cases: Infants 1,696 Pre-School 775 Total 2,471

The attendance was 197 in excess of any previous year.

Auxiliary	Attendance at North Hill Clinic	602
Clinics:	Attendance at Currie Barracks	428
	Attendance at Bowness	24

In October 1950, Bowness opened a clinic, employing their own nurse. In November the Provincial Department of Health assisted with this clinic so 174 cases attending the City of Calgary clinic were transferred to the Bowness Clinic.

Present enrollment	Infants	2,680	
at all City Clinics:	Pre-School	<u>6,724</u>	Total <u>9,404</u>

2827 cases were discharged.

Number interviewed by doctors during the year	3,393
Number interviewed by nurses during the year	8,866

Visits: Visits made to homes (2 by doctors)	7,556
Visits made to private hospitals	18
Investigations re free supply of Insulin	10
Pre-natal cases referred to the V.O.N	8
Other visits	99

In February, all private hospitals admitting chronic and convalescent cases only, were handed over to the Provincial Department of Welfare for inspection.

FEEDINGS: Breast 1,417 Bottle 3,861 Other 3,587

REPORT ON CHILD HYGIENE UNIT
(Infant and Pre-School)
CALGARY DISTRICT
For the year 1930

J. H. ...
 District Officer of Health

The following is a report of the activities of the Infant and Pre-School Unit for the year 1930.

Attendance: Infants 5,885 Pre-School 5,355 Total Attendance 11,240

175 cases were from outside the City. These do not have the names of the doctors.

1,468 complete physical examinations were given to children between the ages of 3 and 5 years. Of these 925 were found to be O.K. When appointment was 501.

Now cannot: Infants 1,595 Pre-School 375 Total 1,970

The attendance was 197 in excess of any previous year.

603	Attendance at North Hill Clinic
458	Attendance at South Hill Clinic
54	Attendance at Bowmans

In October 1930, Bowmans opened a clinic, replacing their old one. However the Provincial Department of Health assisted with this clinic as it came attending the City of Calgary clinic were transferred to the Bowmans clinic.

1,580	Attendance at Bowmans
5,355	Pre-School
6,935	Total

1937 cases were discharged.

3,355	Number interviewed by doctors during the year
6,935	Number interviewed by nurses during the year

2,565	after: 1111 cases to house (2 by doctors)
15	Visits made to private hospitals
10	Investigations re free supply of formula
8	Pre-natal cases referred to the V.O.B.
92	Other visits

In February, all private hospitals attending chronic and convalescent cases only, were handed over to the Provincial Department of Health for inspection.

Summary: Infants 1,517 Pre-School 3,587 Other 1,587

Defects:

Nose and throat	594	Teeth	661
Skin	236	Phimosis	106
Eyes	192	Nutrition	29
Ears	73	Hernia	107
Intestinal	42	Orthopedic	135
Chest	164	Mentally deficient	12
Congenital malformations	8	Rickets	6

Infectious diseases found at clinic:

Measles	4	Rubella (German Measles)	2
Chickenpox	1	Meningitis	1

Of the above 40 were referred to their family physician for corrective treatment.

There were 13 deaths of infants from our roll.

Dental: The number of dental cases treated was 1,153. The number of dental appointments that were not kept was 98.

Eye, Ear, Number of operations for removal of tonsils and adenoids	71
Nose and Treatments of the eyes	854
Throat: Treatments of the ears	360
Treatments of the nose and throat	178
Refractions for glasses	43
Number of individual cases treated	261

Students: from Calgary General Hospital	9 for one month each
"	56 for half-day each
"	1 for 6 weeks
"	1 for one week
from Holy Cross Hospital	3 for half-day each
from University of Alberta Hospital	6 for one day each
from V.O.N	2 for half-day each
from Nursing Aides School	193 for half-day each

Donations: We are indebted to the Good Cheer Club, the Friendship Knitting Club, and many private individuals for clothing and other supplies. We are also indebted to various firms for donations of cod liver oil and other infant feeding products.

Letters: A total of 9,886 letters in connection with the work of the clinics have been forwarded.

Staff: There were no changes in staff throughout the year.

Respectfully submitted,

M. F. LAVELL. R.N.
Nurse in charge
Child Hygiene Clinic.

W. H. Hill, Esq., M.D. C.M. D.P.H..
 Medical Officer of Health
 City of Calgary, Alberta.

Dear Sir:

The following report of the work done in the schools of the City by the School Health Division during the year 1950, is submitted for your information.

The number of children who were medically examined during the year was 5826. This is a reduction of some 2237 from the number examined in the year 1949. By reducing the number of examinations a longer time for each examination was made possible. The average time for each examination was sixteen and a half minutes. Invitation to attend the physical examinations was extended to the parents of the children examined. This gave an opportunity to the parents to hear at first hand the summary of the child's health state. Considerable time was devoted to health teaching of both child and parent by the physicians during this examination. It is felt that the present form of examination is in close accord with that given any child in the office of a private physician.

At each examination the nurse had an opportunity to discuss the immunization state of the child with the parent. A total of 1839 children or 31.5% were not protected against smallpox with a recent successful vaccination.

Protection against diphtheria. This immunization is now generally well accepted by the public. A total of 1264 were found at examination as either never having had diphtheria inoculation or the inoculation to be out-dated. This figure represents 21.6% of the number examined and is considered to be reasonably satisfactory only. It is hoped that future years will reflect the result of the intensive efforts of the staff to promote this positive health expedient for all children attending the school system.

Defects noted by the physicians conducting the school examinations are summarized in the following table.

Defect	Number	Percentage of total examined
Anaemia	95	1.1
Cardiac	54	.9
Pulmonary	54	.9
Abdominal	13	.2
Hernia	21	.4
Genitalia	40	.7
Feet	463	7.9
Tonsils and adenoids	653	11.2
Eyes	365	6.3
Ears	45	.8
Speech	15	.3
Endocrine	24	.4
Nervous system	42	.7
Dental	379	6.5
Posture and others	149	2.6

Parents who attended the school at the time of the physical examination numbered 2003. Where the parent was unable to attend a brief summary of the findings at the examination was filled in and sent home with the child. This system was commenced in September and will be permanently adopted. Defects of a more serious nature requiring the care and attention of the family physician numbered 672.

The new revision of the notification form of defects referred to the family physician is working well. The physicians have cooperated well in completing the forms and returning them to the department.

A total of 3639 children were recorded as normal as the result of their examination; 2033 following examination were shown as having some defect. The fact that only 672 children out of this number were referred to their private physician shows that in the great majority the defect was of no serious moment. This system of recording children as either normal or with defect is open to misinterpretation. A revision of the system will be in effect for the next year.

The afternoon clinics held at the City Hall continue to be well attended. This clinic is used for special referral cases by the nurses. It serves also as a minor ailments clinic. Many early skin conditions, eye ailments, and minor injuries, etc., are referred to a physician for his advice and disposal. Thus many minor conditions which would otherwise never be seen by a doctor have access to immediate advice. It is felt that this clinic eliminates many of the hit and miss or household remedies in treatment, with subsequent saving in time lost from school. 2123 children attended the clinic, many accompanied by a parent. Following examination 301 were referred to their own family physician for treatment.

The following is a summary of the work performed by the nurses:

Interview of admission		Exclusion from school:	
following illness	810	Suspected communicable disease	354
Communicable diseases:		Ringworm	32
Measles	300	Scabies	14
Scarlet Fever	258	Impetigo	160
Whooping Cough	6	Other reasons	712
Chickenpox	328		
Mumps	629	First aid treatments in schools	6772
Others	204	Phone calls and notes	10849
Defects found:		Dental appointments made	7723
Vision	1103	Conferences with pupils	21816
Hearing	41	Conferences re pupils with:	
Suspected unhealthy tonsils		Parents	1425
and adenoids	329	Teachers	5778
Others	496	Others	453
Classroom inspections:		Referred to medical examiner	2501
for communicable disease	4256	Medical examinations assisted	5826
general	3269	Class health talks given	543

Inoculation summary - done in school.

Vaccinations against smallpox	834	Inoculations against diphtheria	777
Tuberculin patch tests	488	Series completed	144
Schick Tests	144		
Meetings attended	26	Meetings addressed	26
Home visits made	2152		

The following table shows corrective treatments which have been done on school children by their family physicians during the period September 1st 1949 to June 30th 1950.

Operations:

Tonsils and adenoids	397	Appendectomies	128
Hernia	7	Other operations	31
Fractures	212	Orthopedic conditions	139
Refractions	960	Other eye conditions	174
Ear conditions	159	Anaemia	208
Skin diseases	170	Nutritional disturbances	71
Cardiac conditions	35	Emotional disturbances	88
Other conditions	120	Total	2919

The children at the school at Currie Barracks were examined by the resident Medical Officer in attendance at the Barracks. 152 children were examined of whom 24 were referred to their own physician for correction of defects. This particular school is served by a nurse from the R.C.A.M.C.

The figures representing the work done by the nurses shows an increase over the previous year in practically all sections.

Mumps was epidemic in the city during the latter part of 1950. This increase was responsible for considerable loss of time in school amongst the students. Greatest number of cases occurred in the elementary school population but many high school students also experienced the disease.

Cases of scarlet fever were also more numerous than in the preceding year and chickenpox was also fairly prevalent.

The two Jewish schools - the House of Israel and the Peretz Institute - applied for inclusion in the school health system for medical supervision. Approval was given by Council to this request and supervision commenced in the month of March.

Many changes took place among the staff during the summer. Three nurses (Miss Robertson, Miss McNamara and Miss Smith) resigned to accept other positions. Three nurses (Miss Lewis, Miss Urch and Miss Anderson) resigned to be married.

Nursing staff with public health qualifications is not easily replaced as the demand for such personnel is increasing yearly both in health departments and industry. Only five nurses of the six resigning were replaced on a permanent basis. Fortunately there are several married nurses in the city, ex members of the department, who were willing to work for several months at a time on a temporary basis, thus keeping the number of nurses authorized at full establishment. Miss L. Edwards, Miss M. P. Harley, Mrs. N. Kuzyk, Miss A. MacKenzie, and Miss L. E. Wright, all commenced duty in September.

Education survey - June 1950

1949	1950	1951	1952
100	100	100	100

1949	1950	1951	1952
100	100	100	100

Education survey - June 1950

1949	1950	1951	1952
100	100	100	100

Education survey - June 1950

Education survey - June 1950

Education survey - June 1950

Education survey - June 1950

Education survey - June 1950

Education survey - June 1950

School Dental Service Statistics.

Total fillings	8176	Dental Inspections:	
Total extractions	4289	Number inspected	9684
Bases	3970	Number needing treatment	6559
Prophylaxis and scaling	290	Need nothing at present	630
Miscellaneous	927	Number found to be O.K	2626
Number of teeth treated	15869	Defective permanent teeth	7119
Appointments made	9932	Defective deciduous teeth	8161
Appointments kept	8118	Dental Health Talks given	9
Refused treatment	56		
X-Rayed	8		

It will be observed from the figures that out of the 9684 pupils inspected only 2626 (at time of inspection) were considered to be dentally fit. This represents only 27.1% of the total, a rise of 2% over the previous year. 81% of the appointments made for patients were kept.

The quipment in the dental clinic was augmented by the installation of an x-ray machine. This was made possible through a grant from the Federal Government. A small dark-room was constructed during the summer holidays in one corner of the dental clinic.

Dr. Phillips, who had been working on a half-time basis, resigned in March to devote full time to his private practice. Three dentists, working full time, comprised the staff for the balance of the year as a replacement for Dr. Phillips was not available.

As a part of the Federal Health Grants scheme, made available to the city by the Provincial Government, the department was provided with an audiometer machine. This machine is the most up-to-date model and is a valuable asset.

A vitamin supplement table was again made available during the winter months to the parents at cost. Parents on the whole are very willing to avail themselves of this popular supplement for their children.

During the winter months 570 half-pints of milk were distributed on each school day to those children whom it was considered to be in need of this additional milk. The cost to the Health Department for this was \$2968.64

The success of the work mentioned in this report is largely attributable to the splendid spirit of cooperation existing between all members of the staff.

Respectfully submitted,

LESLIE C. ALLAN. M.B. Ch. B. D.P.H.

Asst. Medical Officer of Health.

CALGARY TUBERCULOSIS ASSOCIATION

W. H. Hill, Esq., M.D. C.M. D.P.H.
 Medical Officer of Health
 Calgary, Alberta.

Dear Sir:

It is my pleasure to submit a report of the activities of the Chest Clinic in the City Hall for the year 1950.

Number of clinics held		50
Number of patients examined:	Adults	367
	Children	<u>56</u> 423
Tuberculin tests given in office		845
Tuberculin tests given outside office		1540
Office calls		1755
Home visits made		805
Co-operative calls		288
Number of new cases of tuberculosis discovered at this clinic:	Active	4
	Inactive	<u>22</u> 26

At the present time sixteen families are receiving free milk daily and ten families are receiving free meat coupons each month.

Clothing, food hampers, and baskets of fruit have been distributed to twenty-three families during the year.

The Annual Sale of Christmas Seals, operated by the Calgary Kinsmen's Club, has been completed and the sum of \$41,020.42 was realized therefrom.

May I take this opportunity to say thank you Dr. Hill, and to your staff, for the hearty cooperation given so readily at all times.

Respectfully submitted,

Olive A. Currie. R.N.
 Nurse in charge
 Chest Clinic. City Hall.

W. H. Hill, Esq., M.D. C.M. D.P.H.
Medical Officer of Health.
City of Calgary, Alberta.

Dear Sir:

The Calgary Victorian Order Branch is pleased to present to you its 41st Annual Report of nursing activities.

The staff of five nurses, with use of three cars, have carried on the visiting nursing programme of bedside care and treatments integrated with public health teaching.

During the year 3,261 patients were admitted to our care. Visits made to these patients were 13,424, approximately 550 more than in 1949.

Due to new drug therapy, hypodermic medication is making increasing demands on our service.

Our visits to patients suffering from cancer have shown a marked increase. During the year 700 visits were made to these patients as compared with 175 in 1949.

Approximately 52% of all visits are concerned with our maternity service, and visits to new-born and mothers on return from hospital. 45% of the visits are made to medical, surgical and the chronically ill.

Pre-natal classes were conducted every Thursday afternoon from 3 to 4 for ten months, July and August being excluded. Enrollment was 147 expectant mothers with a total attendance of 349.

Student affiliation during the year with this branch was:

6 post-graduate for two week periods
6 under-graduate for one month periods.

Fees:	Fully-paid visits	38 per cent
	Part-paid visits	11
	Insurance visits	5
	Free visits	46

Visits in statistical form:

Pre-natal	216
Pneumonia	67
Obstetrical	1960
Newborn	3420
Tuberculosis	134
Cancer	700
Chronics	1582
Medical, Surgical, etc,	3551
Health supervision, infants from 6 weeks to one year	1688
Adult Health Supervision	2
Patients not taken up,	<u>75</u>
	<u>13424</u>

Cases admitted:

Medical	885
Surgical	76
Pre-natal	203
Obstetrical	951
Newborn	1099
Health Instruction	37

	3261

Respectfully submitted

IRENE SHEASBY. R.N

Nurse in charge, Calgary Branch

VICTORIA ORDER OF NURSES

J. H. Hill, Esq., M.D., F.R.C.P.
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir:

The Calgary Victoria Order of Nurses is pleased to present to you the
Annual Report of Nursing Activities.

The staff of five nurses, who, at three o'clock, have worked on the
nursing nursing, management of patients, care and treatment, interested with
this health service.

During the year 1951, 1,251 patients were admitted to our care. Visits were
made to these patients 15,125, approximately 125 more than in 1950.

Due to new drug therapy, hospital medication is making tremendous
advances on our service.

Our visits to patients suffering from cancer have shown a marked
decrease. During the year 700 visits were made to these patients as compared
with 175 in 1950.

Approximately 25% of all visits are concerned with eye, hearing,
service, and visits to new-born and mothers of premature hospital, 45% of
the visits are made to medical, surgical and the chronically ill.

The medical classes were conducted every Thursday afternoon from 2 to
for ten months, July and August being excluded. Enrollment was 147 patients
others with a total attendance of 349.

Student affiliation during the year with this branch was:
6 post-graduate for two week periods
6 under-graduate for one week periods.

28 per cent	Post-graduate visits
11	Post-graduate visits
2	Under-graduate visits
45	Free visits

Visits in Statistical Form:		Cases admitted:	
Pre-natal	216	Medical	832
Neonatal	67	Surgical	76
Post-natal	1240	Pre-natal	103
Newborn	3430	Gynaecological	251
Obstetrical	134	Newborn	1099
Accident	700	Health Insurance	92
Phonics	1281		
Medical, Surgical, etc.	3521		
Health supervision, children	1488		
From 6 weeks to one year	2		
Adult Health Supervision	72		
Patients not taken up	1252		

Respectfully submitted

FINANCIAL STATEMENT

37

	1950	1949
HEALTH DEPARTMENT (General)		
Salaries	43,273.48	43,432.69
Sera, Vaccine, etc	275.88	204.43
Disinfectants	212.61	139.72
Laboratory Charges (to City Laboratory)	1,200.00	1,200.00
Auto Maintenance and Allowances	3,839.55	3,703.75
Sundries	1,065.02	598.75
Printing and Stationery	296.85	472.55
Postage (for the whole department)	367.27	311.52
Transit System Passes and Tickets	493.46	345.67
Isolation Ambulance Hire	280.00	173.50
Milk Inspection Expenses	503.67	305.31
Milk to Undernourished and Sickly.	1,245.88	892.50
Meat Inspection Expenses	60.44	24.01
Office Equipment	397.13	207.20
New Equipment (Automobile) annual payment	311.56	311.54
	<u>53,822.80</u>	<u>52,323.14</u>
SCHOOL MEDICAL AND DENTAL SERVICES		
Salaries	57,577.22	56,337.10
Medical and Dental Supplies and Equipment	2,985.51	2,700.21
Glasses for Indigent School Children	296.89	304.25
Milk for Undernourished School Children	2,968.74	2,577.54
Transit System Passes and Tickets.	557.78	572.55
Auto Maintenance and Allowances	1,568.74	1,125.00
Printing and Stationery	732.17	571.70
New Equipment (Automobile) annual payment	406.65	--
	<u>67,093.70</u>	<u>64,188.35</u>
INFANT AND PRE-SCHOOL CLINIC		
Salaries	7,754.11	7,718.96
Transit System Passes and Tickets	188.10	235.40
Operations and Treatments (E.E.N & T and Dental)	3,809.94	3,440.00
Sundries	45.03	23.76
Automobile Allowance (Garage Rent for one)	84.00	84.00
	<u>11,881.18</u>	<u>11,502.12</u>
SUMMARY		
Health Department (General)	53,822.80	52,323.14
School Medical and Dental Services	67,093.70	64,188.35
Infant and Pre-School Clinic	<u>11,881.18</u>	<u>11,502.12</u>
	<u>132,797.68</u>	<u>128,013.61</u>
Population (estimate)	106,000	106,000
Per capita expenditure	125.2¢	120.7¢

EXPENDITURE FOR PAST FIVE YEARS

	1950	1949	1948	1947	1946
Total	132,797.68	128,013.61	111,547.31	101,806.64	93,563.54
Per capita	125.2¢	120.7¢	111.4¢	101.7¢	95.4¢
Appropriation for 1950 was \$136,510.95	Expended \$132,797.68				
Credit balance for the year 1950 was	\$3,713.27				

