to this unwise course, and subscribed willingly. We must not be discouraged, however, at such things, but persevere, believing that in the end public opinion will become educated up to the point of seeing the vital interests at stake in sanitary reform, which can alone be successfully carried out through such societies as ours.

The Secretary then read the

FIFTH ANNUAL REPORT OF THE ren and adults : MONTREAL SANITARY ASSO-CIATION.

History Rooms, April 13th, 1871; Wm. Workman, Esq., ex-Mayor and President, in the Chair.

The year 1870 was remarkable for an unusually hot spring and early summer, succeeding a very genial winter. As, in this city, the death-rate of children appears to follow the variations of the thermometer, for reasons previously explained, it was easy to predict an unusual number of deaths in June, as well as in the uniformly fatal months of July and August. Such predictions were, alas! too fully realized. The effect of heat in developing air-poisons from our polluted subsoil could scarcely be more vividly pourtrayed than by the contrast which the cool summer of 1869 presents to the heats of 1868 and 1870. The following are the average weekly number of deaths of children for the three years, omitting fractions :

1868. Sunstroke year.		е	1869. Cool sum- mer.							Early	
May	71							55			65
June	77							52			129
July	127							83			138
August	114							78		• •	103
September .	81							62			78

1869 and 1870 during the months of March, October and November; they were fewer in adults, the summer rate of dying, if continued 1870 than in 1869 during January and Fe- through the year, would have killed 1,420; bruary; but higher in April, May, September and December; while the contrast is most fatally marked during June, July and Au-between the two extremes of climate. gust. There never were so many deaths in June and July, during the whole period over recorded during 1870 was 3,617, against which the records extend; although there 2,778 in the previous year, making an inwas no special epidemic in the city. For crease of 839, of which only a small portion the first time also in our records, the week can be due to increase of population. of highest deaths occurred at the end of June, number of births during the same period ordinary time.

the season; the weekly rates, being for the returns at the appointed time. same months and years as follows :

	1868.		1869.		1870.
May	25		21		33
June	26		27		24
July	30*		23		24
August	28		22		17
September	20		21		24
* Or, omittin	g sun-s	troke	, 23 0	nly.	

If we take an average week of the three summer months, we find the following marvelous difference between the deaths of child-

	1868.	1869.	1870.
All above 12 years	28	. 24	 22
All under 12 years '	106	71	 123

Among the adult population, both high and low weeks are to be found, without Presented to the Annual Meeting at the Natural assignable cause, in most of the months; History Reams April 13th, 1871, Wm and the extreme range of variation is only from 14 (week ending Angust 27) to 39 (week ending May 28): i. e., one in the autumnal week to three in the spring ; neither extreme of heat or cold seriously affecting the health of the adolescent and adult inhabitants. Bit among the children, the winter weeks are uniformly low, and the summer ones high; while the variation extends from 28 (week ending Dec. 24) to 158 (week ending June 25). That is to say, six infants died at midsummer last year in our city to one at Christmas; twelve more children died in the midsummer week than during the whole month of November; and seven more than an average week of November, December, January and February added together.

If the children's death-rate of the three summer months had continued during the whole year, we should have been robbed of 7,648 children, which is far greater than the total number of births. If, on the other hand, the winter rate of dying had continued through the year, only 2,145 deaths would have taken place, notwithstanding our bad drains and ventilation, the severity of the climate, and the alleged dangers of winter We should have saved the lives of baptism. 1,472 children who actually died this last year; and of 5,503 who would have died, had The children's deaths were the same in the summer rate continued through the year.

On making the same calculations for

The total number of children's deaths The instead of in July, as in all other years : that cannot be stated with accuracy, since to this is to say, the sun's heat, beginning earlier in day there is no public system of registration. the year than usual, had developed the in- There are now four congregations of Protes-fant-killing poisons a few weeks before the tants who refuse to practice infant baptism; not to speak of others who neglect the rite The deaths of adults however, as in all through carelessness or conscientious scruprevious years, vary very little according to ples; nor of clergymen who neglect to make

The total number of deaths of adults was

1,308, being an vious year; bu with the total The total 1

during the yea of 931 over t only 83 over th even without a tion. If the 133,834, accord would give 36 1,000, against : 396 in the sun ages are only previous years, error are supp await the corre 8118.

Far more im the proportion All children b right to live ; estimate, till 7 we were not a of the ages at bor and persev Council have a the tabulation Dr. L. has und classifying the race, religion, means he has actly the prop which are br suburbs; and t different natio city. Into thes do not intend population hav confine our at deaths at diffe tery returns. amounting to 3 figures having weeks, while the to Dec. 31st. It appears the

to have lived b no fewer than 2,396 627 219

but only 90 and 50 It follows that

ried to our cem NEARLY ONE HAL lived a single year two years; 4 pe not four ; and 1 total, out of eve healthy outskir crowded centr reached their fift ever, the childr all but those o ing been alread 154 deaths, be 70

100