Dr. O'Meara Reports on Halton Dental Project

by B. J. O'Meara, DDS, DDPH

county have assumed the cost of although there is no dentist in the in the country. dental treatment for the children cownship.

preventive service.

mg existing health services, initia-| small. ting new services, and studying public health problems. It was ob- ment: Because the unaided schools lows:an unique field for the study of children have a much greater ad- group, those in the aided schools and health at this age. In any case dental public health problems. The vantage. In rural areas the diffi- are slightly worse than in the un-Provincial Department of Health culty of obtaining transportation to aided, the standard of all of them made available ample funds from the towns for treatment is undoub- is bad. Of 394 children just comfederal health grants to allow us to tedly an important factor. As, in mencing their school careers, there attack this major problem. This other parts of the province the is an average of 3 untreated cavital examination of school children; (2) to promote better health habits by an intensive program of education, (3) to evaluate the results of the treatment program, (4) by correlation of the educational and giving treatment to children, some treatment facilities should be offertreatment service, to attempt to improve the dental health of our children. It was not to be used for pay-

ment for treatment. It is emphasized that the entire funds for this work are derived from federal health grants and are net a charge on the local taxpayer. The federal authorities will be amply repaid if reliable information can be obtained from this and other surveys. It is a long range project and results may not be apparent for some years. The new dental program made possible by the federal grant began on October 1st, 1949. Between that time and the end of June, 1950, all the primary schools in the county were visited and all the students, except those absent at the time of the visit, were examined. In this way a total of 5,063 children were seen. . It was intended to examine the secondary school students too, but there was Insufficient time. should be possible to include these next year. Also, it is hoped later to see as many of the pre-school children as possible. This is of the

greatest importance. An unusual feature exists in Halton County in that two fifths of the primary school population can obtain dental treatment from private practitioners at no direct cost to themselves. The accounts are paid by the respective school boards, 70 per cent from local taxation and 30 per cent from a Provincial Department of Health grant. The parents of the remaining three fifths of the school children pay the cost of dental treatment themselves. There is a situation present, therefore, which affords the opportunity of a study of the value of a free dental treatment plan. In this report, for the sake of brevity those whose treatment has been paid for by the school board have been ckissified as "Aided" while those who pay for their own treatment have been called "Unaided."

The sided scheme has been in use in nearly all the schools of the four townships of the county for varying periods of time. The five towns of the county have not made use of it until January, 1950 when one, Georgetown, introduced b it. As the children of that town were examined before that date, this would not affect the comparison. Of the four townships, Nelson has used the plan since 1943. However, the average per capita cost of treatment for the first five years, until 1947, was less than \$1.00 for each, school child. In 1948, it was nearly \$4.00 per head.

Trafalgar Township began the plan in 1946 but the cost for the first two years was again less than \$1.00 per head. In 1948 it was over \$2.00 and in 1949 \$7.00 per head.

Esquesing Township introduced the plan in 1948 but little use was made of it until 1949 when the cost was-\$6.42 per head.

Nassagaweya Township, much the smallest of the four, brought in the asheme in 1944, and here alone, the school children seem to portunity from the start. The an-

of the cost of treatment. Locally, ton County Health Unit came into When one comes to consider the i.e., they are not lost naturally like the aided schools, only 43 per cent ment service such as is being of agreements have been made be existence in September, 1947 and effects of this aid plan as com- the deciduous teeth. There is a slight of the necessary treatment is being fered to the aided schools, is extween the local school boards and an adequate staff of public health pared with the remainder, it must but steady increase in the humber done. In the humber done. In the humber done. In the humber done, it must but steady increase in the humber done. the practicing dentists whereby the nurses regularly visited the school be borne in mind that it has really of fillings in the children of un- a smaller proportion of it is car- value, it must be augmented by dendentists do this work at a moder It is surely an excellent example of only been in operation for from 2 aided schools, and a slightly greater ried out, This does not include tal education. what public health education can to 215 years at most. . .. decrease in the number of cavities, pre-school, children. The school With free dental treatment avail- do, and of how useless any such Apart from Nassagaweya" Town- as compared with those of the un- boards must therefore be prepared The first recorded typewriter was able, one would think that Halton treatment plan is unless it is re- ship, which has only one eighth of sided schools. The number of per- to incur heavier expenditure, to patented in England in 1714. County School children would be lated to an educational program, the aided school population, the manent teeth which have been lost dentally perfect. However, this in attempting to evaluate the bent amount of work done before 1948, or are unsaveable also shows, has not been true. By far the most efits of this aid plan it is neces- at less the \$1.00 per head per year, slight but significant difference.

grant .was to be used for several number of dentists is inadequate ties and only one filling per child. purposes; (1) to assess the magni- to cope with the work. However, In addition, for every two children tude of the problem by careful den- Halton County is probably better examined, there is I tooth already served than many other districts, lost or too badly decayed to fill There are 16 dentists in the Coun- While such a condition exists it will (All the dentists in the county are school population as a whole. Free

> over-emphasis in this respect. Gen-likel this would be too could; then in better diet, than those in the time a child, who has been receivtowns. Milk, vegetables and fruit ing dental treatment from an early of this, the teeth of 5 and 6 year from for several years, has reached old children were found to be ra- Grade 'VII, there is a great possi-

> > intely was helping overcome the housing shortage—for robins. Piaced in the right spot, half a shell makes an ideal base for a robin's nest.

dewpoint the main importance of should receive attention. store. Research into the cause of sided and unaided, are almost iden- treated and nearly one more per- can perform. The treatment of the dental caries in latter years has tical. In the 7 year group, of 651 manent tooth per child already lost adult population takes up much ed demonstrated a very close relation- examined, there is an average of or unsaveable. . such as are, found in candies and group. Unfortunately the number of doubt that the sides scheme, is A saturation point must eventually head. It might be added that the soft drinks and tooth decay. Chil- cavities, at about 3.5, remains high giving benefit and procuring bet- be reached, and they are probably Over a period of years, more and dental health of these children is dren in the towns have far in both. more local school boards in the generally better than elsewhere, greater access to these than those . (c) From the age of 8 to the age dren.

in the primary schools. Now prac- It is noteworthy that, although a others on the findings is very diffi- this is due to the fact that the re- should be progressive among all this reason that the preventive astically all rural school children rublic health dental officer was cult to estimate. The problems of mainder of the deciduous teeth are the school population, Future an pect of dentistry is being stressed have this service. This program has not appointed until fate in 1949, nutrition and of excessive augar being lost miturally during this per- nual examinations will show if this so much. It would be far better to been made possible by the provin- there was a very marked increase consumption are of course inter - tod. It is therefore difficult to is the case. It must be remembered reduce the need for dental treat cial Department of Health, making in the amount of treatment carried related and the solution is nutrition, in available funds for this purpose, out in 1948 and 1949. It could not al education. The need for this ent teeth however are of course un carried out, so will the cost increase, the need for the reduction of the

ty, at least 2 in every town, be- never be possible to improve matsides those in the near -vicinity, erally the dental health of the to a greater degree than other. ged to the pre-school child, and pur-(c) Nutrition: The economic sta- ents should be per under by every tus of the, soculation would also means possible to take their chilhave some bearing on nutrition, don regularly to the dealist from However, there is a danger of the age of 3. If the school boards erally speaking, one would expect "bandes VII and VIII could be exthe children in trural areas to have to led from the scheme. By the are more readily available. In spite age, and who has had dental educa-

orse in rural than in urban bility that he will then continue it is certainly an indication that cope with it. How much heavier dental treatment at his own 'ex- the unaided student is willing to it is likely to be difficult to esti-(d) Environment: From a dental pense. This problem is urgent and pay for the cost of treatment, at mate, but there are certain defin-

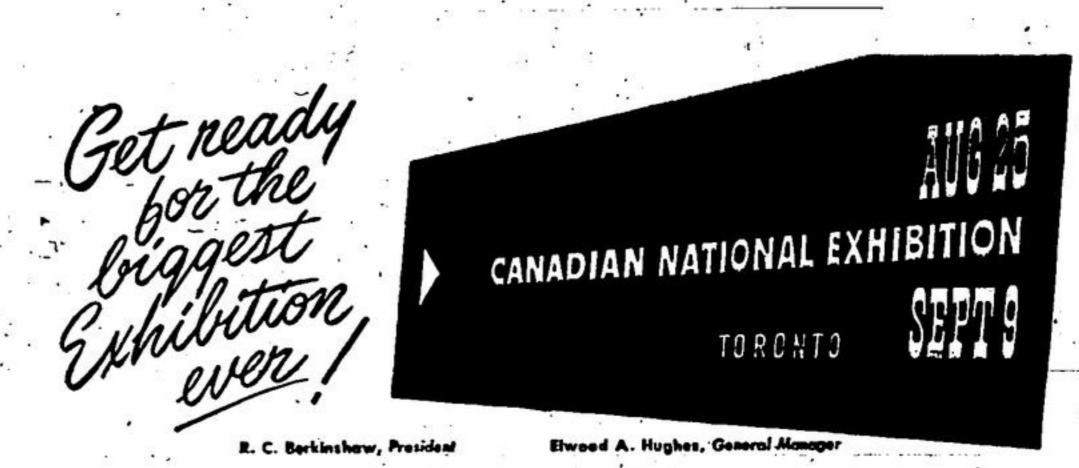
common defect found in school sary to consider any other factors can have, been little more than (d) From the age of 12 onwards, children has been, dental decay. It which may influence the results. emergency treatment, i.e., extracting it is only permanent teeth which became obvious that children were The more important of these are:- of aching teeth. No great differ are being considered. All the decigoing to the dentist only when (a) Economic Status: Although ences can therefore be expected. duous teeth have been lost. The something drastic occurred, such as this would not affect the aided We have deliberately not inclu- findings continue to show a definan aching tooth, a dental abscess, population, it would the remain- ded a mass of statistical data, ra- itely better dental condition among a huge cavity or when urged by der. The aided schools are mainly, ther, we have attempted to show the the children from the aided schools. the school nurse or physician. The rual or semi-urban while the oth- broad picture, for those who may (e) Although the findings for the treatment program had become ers are all urban. However the towns have a special interest in the sub- 15 year age group may not be too solely a reparative rather than a in the county are generally pros- ject, the detailed findings are avail- reliable because of the smaller numperous and the economic level fair- able. The inclusion of detailed ber (79) examined, it does give Under the new federal health ly high. The number of children figures of the actual findings of indication of the condition of the grants made available in 1948, unable to obtain treatment for fin- the examination in this re- students on leaving primary school. funds were allocated for strengthen- ancial reasons would likely be port would be too confusing. How- It was noted that the number of ever, certain findings are signifi- fillings is much the same in both (b) Availability of Dental Treat- cant. The main features are as fol-nided and unaided schools. This may be because they are getting vious that Halton county offered are generally in the towns, these (a) Although in the 6 year age more conscious of their appearance

ter dental health for the chil- near to it now.

of 11 the dental condition of all dental education which is now cay it will never be possible to The effect of all these factors and the children appears to improve but being carried out, this improvement catch up with the work. It is for

this time. In spite of it, these have ite limitations. The major one is this is the availability of the candy (b) By the age of 6, both groups, still twice as many cavitles un- the quantity of work the dentists their time and they are seeing many ship between concentrated sugars 3 fillings per child of the aided The findings show without any more children now than formerly. With more extensive At the present rate of tooth de-

Discover How Good iced Tea Can Be: Make tea double strength and while still hot pour into glasses filled with cracked toe , . . Add sugar and lemon-to taste.





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