Service Given Whole Province by Public Health Department Related in Detail by Minister

Hon. Dr. Forbes Godfrey Explains Facilities Provided by Department to Combat Disease and Improve Living Conditions Among People of Ontario-Avers Wisdom of Expenditures for Preventive Measures, Such as Free Distribution of Insulin-Study of Industrial Poisons Lowers Compensation Costs.

began to get away from barbarism and make a good recovery. One of the important marks that dis- advantages of a big city in health pro- places would find the same. the unfortunates who are so situated assisted by a nurse, and equipped with Health touches labor very closely. the great scheme of organized, mod- examine between 500 and 600 patients staff.

roll to

livine

. Ben

cial; it is organized as a group for the health protection of the indi-

more or less a police function assum- laboratory in Toronto and eight vent the spread of communicable dis- in the Province, and to give you an' ease. Unfortunates, whose homes were idea of the amount of work being done visited by some communicable disease, in these laboratories, the central lawere quarantined and frequently sa- boratory here in Toronto examined vere and unnecessary hardship was and reported on 51,000-odd specimens imposed, with the idea of protecting last year. These consisted of the ex-

up the police idea, we resort to it in the Widal reaction for typhoid, speciessarily imposed on a family, without many others. The laboratories are endangerng the public safety by so fully equipped to do all kinds of bacdoing, we adopt that procedure. At teriological, serological and paththe sae time we are carrying on a sys- | ological examinations, and all the does not exist the same protection that able to the individual, the cost would members of the community when a full-time staff, under a competent communicable disease unfortunately director, the cost per examination is port their families. ing modern, scientific methods to miti- through saving the money of the indi- extensive work on the industrial poisgate the severity of disease, and to viduals concerned, is very consider- ons, such as lead, arsenic, mercury and reduce the frequency of disease when able. individual before exposure to the in- tions that are carried on in this This was a case of chronic arsenical simple procedure, which indicates by nual appropriation under this heading pital to hospital, in addition to being ineculations of a preparation called FREE INSULIN AND ANTI-TOXIN Industrial Hygiene Division, and the "Toxoid," which is absolutely painless As a physician, I very well remem-investigators there were able to show, this year, starting in the pulp and I am truly of the opinion that the of his period of education, from three etc. and harm'ess and which will confer ber the time when the doctor had to conclusively, the presence of arsenic, paper industry, a system for the index to six months as the case may be, he . V. 4. He made him overseer, Findimmunity from diphtheria on that go down into his own pocket in the by examination of the hair, the nails spection of camp foremen, camp clerks, contribution to make to the field of returns to his own home, to the enchild for a period of at least seven case of a poor patient, and pay \$7 or and the skin.

ful scourge. Diphtheria now, with the amount of anti-toxin costs the Pro- to industry by 40 per We have eight District Officers of easily adapted one to the other. He blessing of the Lord rested. not a dang rous disease, but, best of the physician and the patient, person- time and compensation.

work, one will not ask the question: preximately \$35,000 a year on insulin, Co. at Iroquois Falls, where the wide- results obtained.

rate from tuberculosis in Ontario has go down as a result of diabetes. The ing of the air in the plant, to produce Ontario. It is a condition produced tion to the end that the community is that patient from the sanatorium, to III. IN PRISON, vs. 19-23. the use of the four cardinal health patient is in the neighborhood of \$40. conditioning of the air in the plant, manent disability and death, and each pleasure to point as an example of an covery and to encourage the patient tower or dungeon, or whether this is accessories fresh air, sunshine, food It is worth every cent of this, multi- while it has had a good effect from side adds one more burden to the com- efficient health officer to men like Dr. to maintain that routine despite all the name of an Egyptian castle, we how to project others in his neighbor- group, many of whom are bread- troduced a condition under which the involved. hood and so to keep down the number winners, so that they may keep in good cost of drying their paper has been The mining industry in South many others who might be mentioned erculous patient how to protect people of infected contacts, and third, educa- health, support themselves and their very considerably reduced. In this Africa is carrying a very heavy load in this same class. These men are coming in contact with him, and furtion of those exposed to, or in contact families, and prevent themselves and way the ventilation investigation has from this source, and we are endeavwith, a patient, teaching them how to their families from becoming a pub- achieved a two-fold purpose and has oring to introduce a system of exam- health service, co-operating with my come in contact with a tuberculous loyalty, and courageous resolve to protect thomselves. (Early detection lie charge. of the disease; early diagnosis and

present time Ontario is paying one test for dirhtheria. Many persons rendered at the request of the emand a half milion dollars directly who have diphtheria do not clear up ployer and with the good-will and apchargrable to tuberculosis and made readily after the disease subsides, and proval of the employee. No coercion ployment which will not be dangerous is the Division of Child Hygiene. "up of grants to sanatoria; payment they still carry organisms in their appears anywhere on the program. to them and to rehabilitate the second In this division we have employed for patients in sanatoria, and mothers' throat, which to all appearances, Attention is drawn to any defect deallowances in cases of husbands inunder the microscope, are genuine tected, and recommendations are made before permanent disability may have and twenty public health nurses. capacitated or deceased from tuber- diphtheria. By inoculation of guinea with respect to correction. We are had an opportunity to supervene. culosis. Were our status with respect pigs we determine whether the ma- keeping away from legislation. to tuberculesis the same now as it was terial in these throats is virulent or. The division has done some very to the effort which has been made in questions: fifteen years ago, we would be paying not. In other words, whether it is important work in the unorganized at the very least 40 per cent. more capable of transferring the specific territory, where we have now succeed- Porcupine group, desiring to further than a milion and a half do ars disease of diphtheria to another. If ed in having established: namely. \$690,000. The total annual we find that the reaction indicates are class promotes the detection of this my home, interfere with my home, interfere and appropriation of the Health Depart- that this condition is not virulent buildings. ment is \$672,000. Does public health family can be released, the quarantine pay? And is the Department of Health can be raised and unnecessary hardpaying a substantial dividend on the ship can be spared. Further investiinvestment the Province is making in gations conducted by the laboratory

with tuberculosis, which I should note public water supplies. Its importance in passing, is the establishment of a and the disastrous results of lack of travelling chest clinic, which goes to supervision have in the past been various parts of the Province at the amply demonstrated, but the demonrequest of a local municipality for stration means in every instance loss consultation in connection with pul- of life and unnecessarily heavy exmonary tuberculosis, or other discases pense. Cose supervision spares all of the chest. This Government has of this, and is cheap in comparison. realized that it is financially impos- The same will apply equally forcibly sible for many people in the rural sec- to supervision of the milk supply. tions of the Province, particularly in Dr. Hastings, Medical Officer of

in the early stages of its inception, and consult a specialist of diseases of every support, that Toronto has no It is as old as civilization, and from the chest sufficiently early to obtain typhoid, and it is absolutely true that its carliest beginnings, when men first-a diagnosis, obtain early treatment, the only typhoid that has existed in

early days, when the procedure was the work will be increased accordingly, turn in a good day's work. that neighbor helped neighbor, if he Now this may not seem much in! This branch gives the whole attenwere so disposed, although the same comparison with the work that is to tion of its personnel to the investigafundamental principle underlies our be done, but we are proceeding cau- tion of health and disease as related modern procedure, and to-day we have tiously and will develop our staff and to the industry. They investigate conthe community organized as a group, equipment just as rapidly as it is ditions of ill health, specially found

LABORATORY BRANCH.

A very important branch of the vidual, the community and the State. Dept. of Health is the Laboratory PUBLIC INTEREST SOUGHT. Branch. We have in Ontario, operat-In days gone by, public health was ed by my department, one central amination of blood for various dis-While we have not entirely given eases, such as swabs for diphtheria, comparatively very, very low, and the the saving to the Province as a whole The branch has also done some very

branch, we also have a distribution of poisoning who had been referred from free biological products, and our an- physician to physician and from hosis \$102,000-a greater proportion of refused assistance when he made a which is for diphtheria anti-toxin and claim for compensation. Eighteen

38 for a dose of anti-toxin; often, too, We are endeavoring to extend serv- "First Aid" treatment of injury and PUBLIC HEALTH WORK PAYS. this was delayed, the delay costing ice of this type and make the branch we will be extremely disappointed if Diphtheria in the past was a dread- the life of the patient; now the same highly appreciated, as the valuable aid we do not ultimately reduce compensa-

VIRULENCE TESTS.

A very interesting piece of work LEGISLATION AVOIDED. Now for the financial side: At the done by the laboratory is the virulence The services of this division are ease, and second, those who have conare these into milk and water.

TRAVELLING CHEST CLINICS. It is not necessary here to detail An important point in connection the importance of the supervision of

Public health is not a recent idea, larger centres, to go to a larger centre the proud boast, and makes it with Toronto in recent years has been and adopt more civilized methods of With this in mind, we determined brought in from the outside. What living, public health has kept step, that a settler in the farthest outpost Toronto can do, other places can also. stride by stride, with modern progress, of this Province is going to have the Toronto finds that it pays. Other

tinguish civilization from barbarism tection, in so far as it is possible for INDUSTRIAL HYGIENE BRANCH. is the consideration that men show for the Department of Health to extend A branch of the department that their fellows, and we have that demon- these advantages, and in this trave- has made wonderful progress recently strated in our day by the development ling chest clinic we have an outstand- is the Industrial Hygiene Branch, and of hospitals, refuges, and homes for ing specialist on tuberculosis, who is in this branch the Department of

as to be what we call a public charge, portable X-Ray equipment, and with Production in a plant is in direct and further, we have it exemplified in this limited equipment we are able to proportion to the efficiency of the

per year. We have recently added a A man in poor health or working We have largely departed from the second chest specialist to the staff, and under poor conditions cannot possibly

in certain occupations, and determine the feature or factor in the occupation that contributes to the condition of ill health, e.g., "Nickel Rash," a skin disease which was very prevalent among workers in nickel refineries or in nickel-plating industry. This was studied during the years 1923-24-25. In 1923 47 cases occurred in one plant, ployed 51,000 of which 18 were sufficiently severe to call for comparatively heavy compensation. In 1924 17 cases occurred, of which 7 were compensated. In 1925 only 5 cases occurred and not any pensation. This reduction was entirey accounted for by the intensive study made by the clinical staff of the Dept. of Industrial Hygiene, and the development by them of a plan by which the worker would protect himself and thus keep clear of skin infection. The result is that a considerpublic interest to afford the neighbor the Province. Were this work done refining industry or in nickel-plating, tory is the mitigation of accident se-

INDUSTRIAL POISONS.

benzo!. I might mention here one case Besides the laboratory investiga- to indicate the efficiency of the staff. months after his last exposure to arsenic he fell into the hands of our

dustry concerned.

The industries involved are: Pulp and paper. Road construction. Railway construction. The number of camps: Lumbering camps Saw mills

(At present undergoing increase.)



Hon, Dr. Forbes Godfrey

Physicians under contract 85

Amount paid physicians for sanitary inspection (by the compan-Amount paid physicians as medi-

cal fees, deducted from employees' Total capitalization of the industries affected, exclusive of

railways\$102,000,000 Cost of Government supervision

per year\$15,000

able group of men, instead of having A further important piece of work types of insanity.

broken, part-time wages in the nickel undertaken in the unorganized terrior having to change to some other oc- verity. Compensation cases, especialcupation, are able to carry on at their ly in pulp and paper and lumbering, own trade, earn good money and sup- run all the way from \$1.85 to over \$5 per \$100 on the payroll. A tremendous amount of this money is paid out as the result of infection, which is preventable if the proper "First Aid" measures are instituted, e.g., a small of such a person to the extent of proheals up with comparatively little lost! time and no compensation. The same

etc., in the proper methods and the preventive medicine.

ployment, to first pick out those who tion emanating from this central are found to be susceptible to the dis- authority. tracted the disease in an early stage, has attracted a great deal of public so as to turn the first group into em- interest, especially in rural Ontario, group in other types of employment three physicians, besides the director

The industry is very sympathetic this respect, and the mines of the our efforts in this respect, have en-2. Standardized inspection service Realizing the type of men we were household? 3. A standardized medical service came to us and asked for one of our to do any of these things. Whatever can progress. If in a class we have pupil himself and to the school group Dept. of Health we are employing a on his or her part to do so. world and hold their own to their own to bring to the home that conditions of mental progress of the child is the re- As the partridge sitteth on eggs and credit and to the maintenance of the maternity, infancy and childhood have sult of physical defect, and the correc- hatcheth them not, so he that getteth

Health of Ontario.

members of this House have had rea- the individual family. son to know what an unhealthy condi- The 20 nurses employed by the Dept. tion in the mouth can accomplish in of Health are, for the most part, enis now generally accepted that a which they visit a community at the healthy mouth is one of the absolutely request of the local health authorities.

For this reason, the Dept. of Health liar service on their own account. has established a Branch of Dental Services for the purpose of giving information to the public relative to

arteriosclerosis, rheumatism and heart where there is no hope of establishing disease, and it is now well known to such a service at the expense of the the medical profession that these are local community, but with the idea of er). There he was able to render due to focal infection; that is, an area contributing service to them of disof infection or poisoning by microorganisms, which distribute poison by zens. means of the circulatory system to the whole of the body, and set up the dis- hypothetical case. GOOD TEETH AND SANITY.

It has recently been brought to my

are on record even in our own Pro- Refer again to tuberculosis. A pa- 36) vincial hospitals where an individual tient, an active case of tuberculosis, V. 2. The Lord was with Joseph

DEPARTMENTAL ORGANIZA-

early administration of antitoxin, is vince of Ontario about \$1. It costs rection of conditions that lead to lost cent. Our additional expense in con- Health, each assigned to one of the nection with this work is nil. We health districts of the Province, whose all, children, properly protected with ally, nothing. It is administered A further important piece of work require no more personnel and we are duty it is to consult with the local toxoid, never need to have diphtheria early, and the saving of life is enor- this branch has done is in investiga- extending this service to the industry health officers and to advise local mous. In the same way the free dis- tions in connection with ventilation, gratis, believing that every service we authorities in public health adminis-When on cars ders the economic tribution of insulin has more than This has been largely done at the can render industry in the Province of tration, and in matters of sanitation, importance of this piece of health justified itself. We are spending applant of the help of the local community. Of tuberculosis, with all its attendant of much of our modern literature, in plant of the Abitibi Power and Paper Ontario is justified by the economic for the help of the local community. The local health officer is the most im- dangers to himself and to those about which the most sacred ties of our dom-Does public health pay? As a con- and we are ramintaining alive and well awake management has been extreme- | One point which should not be pass- portant municipal official in a municrete instance of the financial returns between 800 and 900 good citizens of ly anxious to avail itself of the served at this stage is the important infrom the public health work of this this Province, the great majority of ices of our men and where we have vestigation we have been making into of the community are guided and inwhom would be utterly unable to profound most valuable co-operation. The a condition known as "silicosis," structed and assisted in methods of ed in that community it would be her household over which he rules is a sin In the past fifteen years the death vide insulin for themse'ves and would work there has been on the condition- which affects the mining industry of health protection and disease preven- duty, immediately on the return of against God. dropped over 40 per cent. And why? cost of insulin has been reduced to the best working conditions for the by a certain type of quartz dust enter- better able to enjoy the conditions for the by a certain type of quartz dust enter-Sanatorium treatment, which is simp- department to 45 cents per 100 units. men employed, and I have been ad- ing the lungs of the miners and which, under which is simp- department to 45 cents per 100 units. men employed, and I have been adly education in health habits and in The present average annual cost per vised by the management that this if allowed to progress, results in per- otherwise possibly do, and it is my routine for the patient's continued re- sort of place it was, whether a circular and rest. Education of the patient in plied many times, to maintain this the workers' standpoint, has also in- pensation charges of the industry Hastings of Toronto, Dr. Adams of obstacles and difficulties. Further, it lord was with Joseph. We are re-Windsor, Dr. Lomer of Ottawa, and would be her duty to instruct the tub- minded again of the fact that, made a double contribution to the in- ination before employment, and per- department and making effective the patient how to protect themselves. iodic physical examination during em- health education and sanitary legis a-

CHILD MORTALITY REDUCED. On occasions one has heard these

Who is paying them?

What is their business?

in recent years been appreciated by [the maternal state; it is, in fact, a the medical profession and by the pub- practical system of health education ic, and not a few of the honorable carried in to the individual home and II. TEMPTED AND FALSELY ACCUSED, vs.

indispensable necessities in general and by their work show the commungood health; that protection of the lity what a public health nurse em-

POORER CITIZENS HELPED.

special work in communities through and loyalty save him; after many We are all familiar with the terms Central Ontario and in New Ontario tinct economic advantage to the cit- who had long mourned him as dead

Let me illustrate by reference to a ousy had treated him so crue'ly.

there associate symptoms of ill health. noses a person there ill-typhoid interesting way with that of the Greek fever. The home is a workingman's hero, Ulysses. "Each is kept true by home. Now one can readily realize the tender memories of home love; attention that patients in the Provin- that in these days, with the high cost each is Godfearing; each is shrewd, cial hospitals have been very material- of living, wages not too high in proly improved by attention given to portion, and other economic conditions Ulysses the shrewdness just passes their teeth. When one realizes that as they are, the demands made on a the line, and can scarcely be distinsanity, as it is ordinarily appreciated, workingman do not give him much guished from guile and cunning, from is simply a condition in which the leeway with a moderate salary. It is which Jeseph is quite free." individual has sufficient control over financially out of the question, no mat- An Egyptian story, "The Tale of his emotions to maintain a normal ter what the sentimental considera- the Two Brothers," has come down to balance and that that control varies tions in the case may be, and yet a us from the age of Moses, which is with varying individuals, it can readily be seen that a sufficient amount of least the patient. One of the public "Commentary on Genesis":

control to carry on satisfactorily health nurses can go into the home There were two brothers, Annu and under ordinary conditions may find and teach a 16-year-old girl, if neces- Bata, living together in one house that control insufficient to deal with sary, how to make a bed, how to give The elder one, Annu, one day sends the bedfast patient a bath, how to Pata back from the field in which they give way, the condition resulting be- prepare the nourishment ordered, how are working to fetch some seed from ing recognized as one of the varying to give prescribed medicines, how to the house. In the house, Anpu's wife take care of soiled linen and how to makes an immoral proposal to Bata, dispose of excreta. In other words, which Bata rejects. In the evening, Just think for a moment of what in the course of a week, with occacould happen to an individual with sional visits from the public health of wrongful advances. Anpu in rage this diminished control, constantly nurse for demonstrating and teaching, seeks out his brother to slay him. Batu harrassed by the irritation of, say, an this girl can be made quite as effective escapes, suffers much, but long afterimpacted molar tooth-that irritation in a routine case of illness as a well- ward his innocence is established and keeping up for 24 hours in the day, trained nurse. Is this not a very he is reconciled to his brother. worrying a person while he is awake great contribution to industry and to I. Joseph's Prosperity, vs. 1-6. and disturbing his sleep-may very the worker, and is it not of economic V. 1. Potiphar, the captain of the soon disturb the menta, equilibrium importance to the Province as a whole. guard, was, literally, captain, or chief, cut properly treated when it occurs ducing insanity, and authentic cases NURSES FIGHT TUBERCULOSIS. of the royal butchers, who may have

> vironment of his own domestic circle, sonal attendant, and then superintendand he finds that the sanatorium rou- ent of his household, his major domo, tine and the domestic routine are not Upon a household thus managed the struggles for a time to keep up the II, TEMPTED AND FALSELY ACCUSED, VS. routine established in the sanatorium

HEALTH IN SCHOOLS.

Our experience with tuberculosis has indicated that the disease, from an economic standpoint only, is very Instead of giving way to despondency expensive. By the expenditure of or to anger and desire for revenge, he money of public health nurses we can interests himself in those about him assist in minimizing a number of con- and seeks to be helpful and intelli tacts who, through ignorance and ex- gently useful to them. And that which posure, become victims of the disease, he did, the Lord made it to prosper, A further point in connection with

the work of public health nurses, as associated with the Child Hygiene Di- Nearly every school in this Provision, is school health supervision, vince has examples of such cases. What right have they to come into activity in this Province. Under our health nurses and public health physiour Division of Industrial Hygiene. and disturb the domestic routine of my brought forward as a group and not disability and retarding defects and employing in this investigation, they Let me say here, they have no right individuals progress that the group to the very decided advantage of the men. While we were not anxious to is done is done as a matter of court- one backward pupil, the whole class with whom he is associated. release one of our trained men, we esv. They go to the home to offer is retarded educationally, just in prowere anxious to co-operate with the something on behalf of the Dept. of portion to the delay occasioned by the ing to do its work by education, not industry, and accordingly we released Health. If the head of the house, one backward pupil, consequently one by regulation or legislation, and is the man they requested. I mention father or mother, does not wish to re- backward pupil can cost a school paying big dividends on the investthis merely to indicate that in the ceive the nurse, there is no obligation board a good deal of money, or, in ment. other words, can be an important fachigh type of personnel. A type that It has been found that through the tor in wasting the money of a school can go into the industrial or scientific assistance these nurses have been able board. Frequently retardation in the dignity and standing of the Dept. of been very materially improved. The tion of the physical defect very fre- riches, and not by right, shall teave infant death rate has been reduced, quently results in increased alertness them in the midst of his days, and at ORAL HYGIENE IMPORTANT. and there has been a very material in the pupil; he responds promptly to his end shall be a fool. Jeremial 17:

S.S. LESSON

June 13. Joseph's Fidelity, Gen. 39: 1-33. Golden Text-Seest thou a man diligent in his business? he shall stand before kings .- Prov. 22:

ANALYSIS.

I. JOSEPH'S PROSPERITY, vs. 1-6. 7-18.

III. IN PRISON, vs. 19-23.

INTRODUCTION-The story of Joseph the way of producing bad health. It gaged in a demonstration service in is one of the masterpieces of Biblical literature. It is told with dramatic skill and fidelity and "with a touching charm." "Every trait in the parra the whole forms a vivid portraiture of health of the mouth is a fundamental ployed full time by the community the true development of human charin the protection of the general health could accomplish, so that the com- acter. The young boy dreams his munity may be led to establish a sim- dreams of future greatness; almost im mediately his hopes are, to all appear ance, shattered; he is sold away from his father and brethren into foreign Eight of these nurses are doing slavery; there, however, his integrity

eases I have mentioned above, and "A doctor calls at a home and diag- character of Joseph is compared in an

cut not properly treated becomes in- incarcerated for insanity has been re- goes to a sanatorium, and what does Compare v. 21. This was the secret fected, and no one can foretail where stored to normal by nothing more than he get there? Simply an education, of his success. He behaved well, he the cost in connection with that injury a small amount of dental treatment. Not one thing does he get there that science, and had the assurance that may finish. It may result in loss of Pyorrhoea, one of the common causes he could not get at home. He is in- God was with him. Compare the promlimb or loss of life, in which case of the loss of the teeth, can now, structed in the value of fresh air, ises made to Moses, to Joshua, to compensation is saddled with one through the investigations of Dr. Har- sunshine, food and rest and how to Gideon, and others called to hard exold Box, be detected at a very early apply these to his own case to pro- periences and difficult tasks in Exod. Our group of sanitary inspectors is, incipient stage, and be corrected, and mote his recovery. Then at the end 3:12, Josh. 1:5, Judges 6:12, Jer. 1:8,

and, finally, in many instances, finds V. 9. This great wickedness. The that the whole thing is too much high sense of honor and moral integtrouble and he lapses, with the result rity which Joseph manifests is in that he is soon again an active case striking contrast to the loose morality him, and the work of the sanatorium estic and social life are lightly regarded, and passion is made to reign

BENEFITS EVERY ONE

Education is the most expensive single School health supervision by public as individuals, but it is only as the assists in having the same cleared up,