

through the lungs. Small-pox is quite prevalent — endemic, the author says. There is popular opposition to vaccination, and not more than 16 or 17 per cent. of children are protected by vaccination: the mean annual death-rate is from 1 to 4 to 1,000 of the population. Phthisis and syphilis are common, and the author considers that the latter predisposes to the development of the former.

#### NEW PROCESS OF SEWAGE TREATMENT.

—A private demonstration was given at the Wimbledon Sewage Farm on Friday last of a new process for the treatment of sewage which is known as the "Amines" process. It consists in mixing with a solution of lime a certain portion of "hering brine," and then passing the mixture into the crude sewage, which is afterwards in the ordinary way passed along the culverts into the settling tanks. It is claimed for the process that it recognizes the fact that the principal evil to be dealt with is the presence in sewage in teeming numbers of bacteria, to whose vitality the putrefaction of the organic matters in solution and all the attendant phenomena are primarily to be attributed. The result of the chemical union of the two substances above mentioned is the evolution of "Amine" gas, which is very soluble, and spreads with great rapidity through every part of the liquid sewage. By experiment this gaseous reagent has been found to be antagonistic to the existence and propagation of every species of bacteria occurring in sewage and other similar waters. Thus, the effluent, after the sewage has been treated by the "Amines" process, is found according to Dr. Klien, to be perfectly free from micro-organic life, and it is at the same time inodorous and without color. The *Therapeutic Gazette* says of this: Undoubtedly a great step has been made towards the solution of the great problem of sewage treatment.

THERE seems to be an almost universal coincidence of opinion, not only among lay, but professional persons as well, says Dr. Mann, of Alleghany, Pa., that so long as any one disease does not assume a distinctly and overwhelming epidemic form, there is no reasonable excuse for attempting in any way to limit the spread of preventable diseases. Or, in other words, the function of preventive medicine is to stand idly by, with folded hands, waiting

listlessly until some terrible scourge fastens itself upon the community, before attempting even the simplest hygienic measures. Perhaps this opinion is not openly expressed in words, but general apathetic inaction speaks louder than any set phrase, and the responsible parties must either acknowledge this sentiment, or plead guilty to the equally bad alternative of having been negligent in the case of the lives entrusted to them.

#### PHYSICAL EDUCATION IN CHILDREN. Dr.

A. H. Leuf (in *Arch Pediatrics*) gives the following excellent points: 1. The object is to develop the material body, and with it, of necessity, the mind and morals. 2. Like most potent agencies, it is much abused and far too little understood. 3. It absolutely forbids smoking. 4. It absolutely forbids the drinking of alcoholic or malt beverages. 5. It insists upon the necessity of regularity in living, especially as regards the time of sleeping, eating, exercise, and recreation. 6. It enforces a good substantial dietary that will never be forgotten. 7. It discourages all kinds of vice. 8. It is rigid in discipline without seeming so to those disciplined, and develops implicit and willing obedience to advisors. 9. It has a marked effect upon the growth of the body and mind. 10. It develops to a high degree the valuable qualities of hope, confidence, courage, deference, obedience where proper, independence, perseverance, ambition, temperance and determination. 11. It is, in short, the most valuable preparation of the young for the cares and trials of adult life, and aids young and old alike to ward off disease and mitigate its effects.

#### UNIFORMED HEALTH INSPECTORS.—

Health Inspectors should be known as *Sanitary Police*, and as such should, in the pursuit of their duties, have the same emblems of authority, powers of arrest, and privileges of search that are given to other police officers, in preservation of the peace. The moral effect of a properly uniformed, efficiently directed sanitary police force, would be invaluable in the enforcement of sanitary regulations. Dr. Mann, before the Alleghany (Pa.) County Med. Soc.

#### VALUABLE GOVERNMENT REPORT ON SECOND ATTACKS OF INFECTIOUS DISEASE.—

The Commission of the United States Department of Agriculture, appointed to investigate swine plague and hog cholera, according to a recent number of the