

the craving for association appears, the formation of friendships. The life of the individual ends and that of the race begins,—the golden age of life. Everything now depends on the direction given to the new forces. The greatest danger, greater than intemperance,—is that the sexual elements will be abnormally developed. Education should now keep the child busy and prevent preoccupation of mind; no routine should be followed, but entire change of labor. All the evils that flesh is heir to may appear at this period, when all is solvent and plastic and more susceptible than any other period of life. A pleasant home and intellectual training are now most valuable. Finally, when a young man takes his affairs into his own hands, his previous religious instruction should be brought to a focus, for then a personal sense of purity or impurity is possible. The great danger is that changes will be too violent, and forces meant for a lifetime may be broken down all at once.

*School Libraries.*—The School Board of the town of Ipswich has lately declined to take any steps for the formation of a School Library. The *Schoolmaster* writes as follows in reference to this decision:—"We regret that any Board should arrive at such a decision. To provide a well-selected library for the information and amusement of the older pupils is a part of the School Board work which ought to be considered absolutely essential. To encourage a habit of reading at home is to assist in developing the intelligence of the pupils, and the work of the school must be greatly improved by such development. Where a free library is at hand there is less necessity for such a collection of books in school, but, in the absence of a public supply of wholesome literature, the School Boards of the country would be greatly adding to their own efficiency by the provision of such a benefit for the young."

### SCIENTIFIC DEPARTMENT.

INTERNATIONAL GEOLOGICAL CONGRESS—VEGETABLE MOULD AND WORMS—  
DEVELOPMENT OF CANADIAN MINERAL RESOURCES—PRESERVATION  
OF FRUIT—MONTREAL AN ISLAND IN THE OTTAWA.

The most important meeting in the interest of Geology of which we have reports since the appearance of this department in the RECORD of December last, is undoubtedly the International Geological Congress which was held at Bologna, Italy, in the latter part of September. About 200 geologists were present, the United States being represented by Prof. James Hall and Canada by Dr. T. Sterry Hunt. The Congress was chiefly occupied in discussing two subjects: 1st, the unification of geological nomenclature; 2nd, the unification of colors, signs, &c., employed in geological maps and sections. With reference to the first subject the Congress came to the conclusion that it would be advisable to designate the divisions of sedimentary formations by the following terms, the most comprehensive being placed first: Groupe, Système, Série, section or Abtheilung, Étage. The corresponding chronological terms recommended are Cycle, Periode, Epoque, Age. With reference to the colors and signs to be employed in geological maps, the Congress advised that all nations should represent the various groups by the same colors (which were named) the sub-divisions to be shown by shades of the color adopted or by colored lines. The Congress resolved to prepare and publish a geological map of Europe according to the plan recommended. This map will be published at Berlin, at a cost of about \$12,500.

No other recent work has received anything like the amount of attention bestowed upon the latest production of Mr. Darwin's pen, entitled, "The for-