

Milky Way, then $2,000 \times 20,191,000 = 40,382,000,000$ suns, or $2,019,100,000,000$ heavenly bodies. Suppose these bodies parading before our mental eye, one per minute, it would require 3,840,000 years to finish the march, in all of which time we would have to look upon them unceasingly. Suppose a human being migrating from globe to globe and spending fifty years on each, he would require 100,955,000,000,000 years for the round. If he stayed only one hour, he would save much time, but still need 230,400,000 years for the task. Yet, these nebulae are only a part of

the universe! Outside the nebulae limits we know of other nebulae not resolvable into stars. They appear to be primitive nebulae, pure, unused world-stuff—matter for new creations. Some of them occupy a space as large as the orbit of Uranus. Some are still larger. The one in "Orion" is estimated to be 2,200,000,000,000,000,000 times larger than our sun. Are we come to the outermost limits? Who dares say yes? We are probably come to our limits. But the future, with new instruments and scientific devices, may push those limits so much further out into space.—*Nordstjernen*.

NOTES FOR TEACHERS.

A GOOD PLAIN HAND.—But what we can do, and ought to do, is to train our pupils to write a good, plain, legible hand. If children are properly taught from the beginning, and are not allowed to fall into careless habits, they will never produce slovenly work. But if the teacher pays no attention to the writing except once or twice a week during the penmanship hour, the pupils will acquire a copy-book style (of drawing, rather than writing) for show, and an every-day style as different from the other as possible, for use. But of precious little use it will be to them! Certainly, no business man would tolerate such writing in his office.—*Ohio Journal of Education*.

GOOD BOOKS.—In the education of our children, therefore, we need the accessory of the school library. We want to train our pupils to read good books, which shall give both knowledge and culture. "Good books," I say; for children, if properly guided, will learn to love good books better than poor ones. I think we often underrate the abilities

of children or young persons to understand and appreciate the higher class of literature. These higher forms of literature become models of taste that protect many people from that which is inferior and trashy. Cultivate in early life a fondness for good reading, and we open avenues of culture and pleasure that will be of inestimable value. And so I look forward to the establishment of libraries to be used in connection with the work of our public schools as one of the most important factors in the solution of the great problem of education.—*Edward A. Brooks*.

ONE LITTLE CHAMBER.—Let us use all the helps to the ideal life we can. Let us keep one little chamber in our hearts free from the dust and the turmoil of everyday surroundings, and filled with all beautiful things that may help us. You are furnishing such a chamber while at school; add to the furniture wherever you can, and keep it bright and clean by continual use. Steep yourselves in the great ideal literature of the past: the Bible, and Dante, and Milton. Get