

**THE USE OF THE GLOBES,
DISPLAYED IN A
VARIETY OF SIMPLE AND
INSTRUCTIVE PROBLEMS**

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The Use of the Globes, Displayed in a Variety of Simple and Instructive Problems by J. Rorke

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J. RORKE

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PRINCIPLES OF GEOGRAPHY AND ASTRONOMY.

BY J. RORKE.

" Ere half the School Authors be read, it will be reasonable for youth to
learn the use of the globes."—MILTON ON EDUCATION.

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PREFACE.

THE study of the Globes has been recommended as an important branch of education by many eminent men. It lies, as it were, at the foundation of the science of Geography and Astronomy; and its importance in the theory and practice of Navigation is unquestionable. But, though it is thus recommended, and possesses in itself so strong claims on our attention, it has not yet received in our colleges and public schools that degree of notice which it merits. This seems to arise in some degree from necessity. Studies of another kind, and captivating in themselves, press with unceasing importunity—the demands of the University are imperative—its honours encouraging, and it cannot be fairly expected that those who are candidates for its laurels should much swerve from a path which so frequently leads to independence and fame. Thus the time which can be spared for the consideration of subjects not within the college course is necessarily limited, except in the case of such pupils as are not preparing for the University.

Yet, this branch of science has not been entirely overlooked. It has found a favourable reception in some of the best schools, and, instead of operating as a draw-back upon other, and severer studies, it exercises an opposite effect, by the relaxation and pleasing variety which it affords.

If the above observations be correct, it would seem that a treatise on globes, to find countenance in our public schools, should be concise, and interesting as far as practical utility will admit. The following little book has been arranged with a regard to both these points.

The terrestrial globe is viewed in two aspects ; first, as a complete map of the earth ; and secondly, as an instrument by which the motions of the earth, and other interesting phenomena, may be illustrated.

In accordance with the former of these views, the learner is first made familiar with the great natural divisions of the earth, by a variety of introductory exercises. These are chiefly intended for the younger students. By means of this use of the Terrestrial Globe, (in general unnoticed by writers on the subject,) a knowledge of the outline of Geography may be acquired, with more speed and accuracy than by any other means. To extend this part of the subject, without much increasing the size of the book, a table of the principal islands, with the longitude and latitude in which they may severally be found, is inserted. All the requisite definitions are given. The circles of the sphere, with their divisions and uses, are explained ; after which follows a collection of the most useful problems, and, through these are introduced, such remarks and questions as are suited to make them clearly understood.

The exercises on the celestial globe are presented to the learner in a similar manner.

For the benefit of those who study the Globes as a part of the theory of Navigation, a plate of the mariner's compass, with a copious compass table, is introduced.

Books consulted—Keith, Adams, Field, and Sharman, on Globes. Moore's Navigation, Ferguson's Astronomy, and Murray's Encyclopedia of Geography.