



## Scientific Amusements

*Henry Frith*

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An excerpt from the Preface:

YOUNG people of both sexes, and persons of all ages who have leisure and a taste for that which is ingenious as well as instructive and amusing, may be commended to this remarkably interesting collection of experiments, nearly all of which can be readily performed by an unskilled person who will carefully follow out the directions given. It is surprising how near we are to the most fundamental principles of science when we perform some of the simplest operations.

The act of balancing oneself on one foot may be made to illustrate most instructively the principle of gravitation and the centre of gravity. The musical (or unmusical, as the case may be) performance of whistling illustrates the power of air in motion, and the effects of vibrating cords (the vocal cords) in a limited space. The toasting of a piece of bread is an example of evaporation of water change of structure owing to heat, and the appearance of a black substance out of a white one by a change in chemical combination. It is so in a multitude of the common occupations of life, and especially in the amusements in which children take so great a delight. The schoolboy's sucker exemplifies the effect of the external pressure of the atmosphere; his top, coerced to move circularly by the effect of a string wound round it in a spiral fashion, illustrates the effect of a spinning turn long after the force has been applied. A large number of experiments with coins—piercing a halfpenny with a needle, revolving a penny in a lampshade, catching coins held on the elbow in the hand, rotating a coin between two pins, and the like, show to how many amusing incidents these may give rise. Inertia, the bane of too many boys and men, is seen to prevail in the physical world in the experiment of projecting one or two draughts from a heap of them (page 18), and in removing a domino, as on page 20. The strange effects which can be produced by virtue of the principle of the centre of gravity are seen in the pencil and knife balanced on the point of the former, the match puzzle (page 30), the poising of a tumbler upon three sticks, each having one end in the air, the suspension of a bucket of water from a stick resting on a table, etc.

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A lot of people always spent their free time to vacation or even go to the outside with them friends and family or their friend. Were you aware? Many a lot of people spent many people free time just watching TV, or even playing video games all day long. If you need to try to find a new activity honestly, that is look different you can read the book. It is really fun to suit your needs. If you enjoy the book that you just read you can spent all day long to reading a e-book. The book Scientific Amusements it doesn't matter what good to read. There are a lot of folks that recommended this book. These people were enjoying reading this book. If you did not have enough space to bring this book you can buy often the e-book. You can m0ore very easily to read this book through your smart phone. The price is not to cover but this book features high quality.

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#### **Carlos Moses:**

Scientific Amusements can be one of your starter books that are good idea. Many of us recommend that straight away because this book has good vocabulary that could increase your knowledge in language, easy to understand, bit entertaining but still delivering the information. The author giving his/her effort that will put every word into satisfaction arrangement in writing Scientific Amusements but doesn't forget the main point, giving the reader the hottest and also based confirm resource data that maybe you can be among it. This great information can certainly drawn you into new stage of crucial thinking.

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