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The young man's book of amusement

Halifax, 1848

Another Electric Orrery

[urn:nbn:de:bsz:31-100120](https://nbn-resolving.org/urn:nbn:de:bsz:31-100120)

Another Electric Orrery, (See p. 118.)

From the prime conductor of an electric machine, suspend six concentric hoops of metal at different distances from each other, in such a manner as to represent in some measure the proportional distances of the planets. Under these, and at a distance of about half an inch, place a metallic plate, and upon this plate, within each of the hoops, a glass bubble blown very thin and light. On electrifying the hoops, the bubbles will be immediately attracted by them, and will continue to move round the hoops as long as the electrification continues. If the electricity be very strong, the bubbles will frequently be driven off, run hither and thither on the plate, making a variety of pleasing and surprising motions round their axis; after which they will return to the hoop, and circulate as before; and if the room be darkened, they will all appear beautifully illuminated with electric light.

Beautiful Electrical Experiment.

Take some oxalate of lime, obtained by precipitation, well washed, and dried in a Wedgewood's basin at a temperature of 300 degrees, until so dry as not to render a cold glass plate, placed over it, dim. Stir it with a platina spatula; in a few moments, by friction against the metal, it will become so strongly

electrical, that
will fly about
over its side
little stirring
all of them
effect.

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