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**The young man's book of amusement**

**Halifax, 1848**

To Exhibit the Combustion of Phosphorus in Oxygen Gas

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*To Exhibit the Combustion of Phosphorus in Oxygen Gas.*

Place a piece of phosphorus about the size of a small pea in a copper cup, about the size of a button, fastened to a thick iron wire, the other end of which is fastened to a cork. Take a bottle capable of containing a quart, and after having filled it with oxygen gas, set fire to the phosphorus, and immediately plunge it into the jar, suspending it by the cork; the light will be so excessively brilliant, that it will be impossible to look at it. This is one of the most beautiful experiments it is possible to exhibit, and the light is the most brilliant that can be produced by art.

*Interesting Experiment on Glow-Worms.*

Place a glow-worm within a jar of oxygen gas in a dark room. The insect will shine with much greater brilliancy than it does in atmospheric air. As the luminous appearance depends on the will of the animal, this experiment probably affords an instance of the stimulus which this gas gives to the animal system.

*To Shew the Combustion of Zinc in Oxygen Gas.*

Take some turnings of zinc, form a ball of it, and affix it to a wire; insert a small bit of phosphorus

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