



# Electricity Experiments You Can Do At Home

By Stan Gibilisco

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**Electricity Experiments You Can Do At Home** By Stan Gibilisco

**Amp up your understanding of electricity and magnetism with DOZENS OF DO-IT-YOURSELF EXPERIMENTS**

*Electricity Experiments You Can Do At Home* is a hands-on guide that helps you master the principles of electrical currents and magnetism. Each of the book's three sections--direct current, alternating current, and magnetism--begins with step-by-step instructions for setting up your lab for the experiments that follow. Using inexpensive, easy-to-find parts, the experiments progress from basic to more complex and will spark ideas and encourage inventiveness. Expect unexpected results when you experiment with:

- Diode-based voltage reducer
- Compass-based galvanometer
- Photovoltaic illuminometer
- Utility bulb saver
- Ripple filter
- Xener-diode voltage regulator
- AC spectrum monitor
- Ampere's law with wire loop
- AC electromagnet
- Handheld wind turbine
- And dozens more projects

***ELECTRICITY EXPERIMENTS YOU CAN DO AT HOME*** helps you to:

- Solve circuit problems in electricity
- Build practical and interesting electrical and magnetic devices
- Get ideas for science-fair projects
- Prepare for advanced courses in electricity and electronics
- Learn the basics of laboratory practice

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## **Electricity Experiments You Can Do At Home By Stan Gibilisco Bibliography**

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## **Editorial Review**

### About the Author

**Stan Gibilisco** is an electronics engineer, researcher, mathematician, and bestselling author. He has written several Demystified titles and more than 30 other books, including *Teach Yourself Electricity and Electronics*. Gibilisco's book *McGraw-Hill Encyclopedia of Personal Computing* was named as a "Best Reference of 1996" by the ALA.

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