

THE EXPERIMENTALIST

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The Science and Technology Magazine for young people

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Technology:

The Story of KaTembe's Crane

Construction:

Magnets and Electromagnets - Part 2

Community:

Turbines and Wind Generators - Part 1

World Technology

Global Warming

The teaching of science and technology in our schools is often dry and boring. Not only because it is taught only on the blackboard and in textbooks, without practical classes, but also because our teachers rarely have practical experience and cannot teach it. But without practical experience almost nobody can understand science. So, they do not like science.

To help in this situation, this *Experimentalist*, our magazine, features articles of a practical nature which we hope will help teachers to experiment in school and encourage pupils and students to do experiments at home. In these experiments we use common materials that you probably have at home, or you can buy cheaply in the village market or even find it in the garbage on a street corner in a town.

Sometimes in this magazine we provide practical articles on technology in real life. The article in this issue "The story of the crane in KaTembe" is one example.

We often describe something of the modern world of science and technology that affects our own lives in Mozambique, but often the details are not known. "Global Warming" is an example.

Usually we try to include something that relates to science and technology and is a little strange, interesting or funny. "The Chinese Car" is an example.

We have included articles on topics of science in schools with more detail than is covered in textbooks. An example of one of our articles on the technology that can help communities and homes is "Turbines."



A turbine made from sticks and scooped-out halves of lemons

Many of the articles in "The Experimentalist" also appear on our Web Page <experimentalista.org> Keith Warren.