

THE NEW WANDERINGS

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Feature:

I like spiders and snakes and can tolerate mosquitoes and black flies to some extent, but I can't stand [ticks](#). They are in a class all of their own!

I was surprised to find ticks in central Nova Scotia, where our camp is located. For a long time, their presents have been known in the southwestern part of the province but with the current changes in climate they seem to be migrating north.

Here are a few tick related links that I have found about this pest:

Some Tick Tech

A short look into the life cycle of the tick

The Tick Patrol

An Austrian school has developed elective courses in genetic- and biotechnology to investigate the contagiousness, possible treatments and diagnosis of Lyme disease and tick-borne encephalitis.

[The Grand Tick Hunt](#)

Tick guru [David Simser](#), PhD hunts for ticks in Nottingham, NH.

[How to Make a Tick Trap](#)

This simple trap may rid your area of pesky critters.

[DIY CO₂ Generator](#)

I wonder if this generator could produce enough CO₂ for the trap.

[DIY Tick and Mosquito Repellent](#)

I am trying a variation of this formula and will try and report back at the end of "tick season".

[The Tick Key](#)

This little gizmo really works!

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Wanderings:

[Nuclear Magnetic Resonance Spectroscopy](#)

What is Nuclear Magnetic Resonance Spectroscopy?

[Home Built Nuclear Magnetic Resonance \(NMR \) Spectrometer](#)

Doug Marett describes his DIY NMR setup. [Check it out on YouTube.](#)

[How Amateurs Can Build a Simple Magnetic-Resonance Spectrometer](#)

by C. L. Stong April, 1959

[The Model T Ignition Coil](#)

One of these coils was responsible in getting me interested in science. And I managed to hold on to it over the years.

[The Model T Buzzer Coil](#)

Here is a little more info on these induction coils.

[Microbial Fuel Cell](#)

In Make Magazine #30 there is an article by Ashley Franks. This article describes the DIY construction of a MudWatt, which is a battery powered by bacterial action. You can try and gather the components yourself or take the easy way and order a kit from [Keegotech](#).

[US Navy's Benthic Unattended Generator \(BUG\)](#)

If you think that the "mud battery" technology is just a laboratory curiosity, think again.

[Using Ocean Waves To Generate Electrical Power](#)

A simple buoy system is used to generate electrical power. [See a prototype in action on YouTube.](#)

[Reading the Vernier Caliper](#)

This short tutorial shows you how to read a vernier scale.

[How to use a Micrometer](#)

The micrometer is one of the most accurate mechanical measuring devices in common use.

[DarwinTunes](#)

"Join our unique experiment, and be the first to hear music as it evolves, right between your ears!"

[The Visionlearning Blog](#)

"Darwin Tunes: Scientists examine how consumer choice can drive the evolution of music from noise."

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From Instructables & YouTube:

[YouTube --- Galileo Ferraris - Inventor of the Induction Motor](#)

Galileo Ferraris: Physicist, Pioneer of Alternating Current Systems (1847-1897) Inventor of the Induction Motor "Father of three-phase current" - Electrotechnical Congress, Frankfurt 1891

[YouTube --- How to Turn a Sphere Inside Out --- Part - I](#)

This is a theoretical look at turning a sphere inside out.

[YouTube --- How to Turn a Sphere Inside Out --- Part - II](#)

Part II is a continuation of Part I.

[YouTube --- Fish Tail Boat](#)

Here is another excellent video from [Arvind Gupta](#).

[YouTube --- DIY Road Case Introduction](#)

This video introduces [Reliable Hardware's](#) complete series of 11 DIY Road Case videos. It is an overview of techniques for designing a Road Case, installing recessed handles, recessed latches, working with aluminum extrusions plus installing carpet and foam.

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The Kids Room:

[Super-Awesome Sylvia's Maker Show](#)

10 year old Sylvia Tod shares her love for "making" on her Web Site. Check it out!

[Visionlearning](#)

Visionlearning is an educational resource for faculty and students that is funded by the [National Science Foundation](#).

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Women in Science:

[Contributions of 20th Century Women to Physics](#)

"An archive presenting and documenting some important and original contributions made before 1976 by 20th century women."

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Random Samples:

[The Book of Beasts](#)

"White's *The Bestiary: A Book of Beasts* was the first and, for a time, the only English translation of a medieval bestiary. Bestiaries were second only to the Bible in their popularity and wide distribution during the Middle Ages."

Medieval Bestiary

This site is the long-term project of David Badke. His goal is to gather information about the Medieval Bestiary as well as related information on the Medieval view of animals in general, both fabulous and real.

Udacity

Udacity is a totally new kind of learning experience. You learn by solving challenging problems and pursuing audacious projects with world-renowned university instructors. All on line and for free!

3DTin

3DTin is a free program that enables you to create 3D drawings. Note --- It requires that you use the [Google Chrome](#) browser.

Tinkercad

Tinkercad is another easy utility to learn how to create 3D designs.

Google's World Wonders

"Google's World Wonders Project aims to bring to life the wonders of the modern and ancient world."

Daily Writing Tips

"Whether you are an attorney, manager or student, writing skills are essential to your success. The rise of the information age – with the proliferation of e-mails, blogs and social networks – makes the ability to write clear, correct English more important than ever."

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Suppliers and Stuff:

Scientific American's "The Amateur Scientist". [CD-ROM]

This CD contains the complete The Amateur Scientist columns from Ingalls to Carlson.

All Electronics

All Electronics is a supplier of a wide variety of new and surplus electronic components

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On The Lighter Side:

[Where's Waldo?](#)



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From The Far Side:

[Colloidal Silver](#)

Read about the DIY “cure all” that will fix all that ails you!

[Argyria](#)

One of the most dramatic symptom of the use of colloidal silver is argyria. This is a condition that causes the users skin to become blue or bluish-grey in colour.

[The Effects of Argyria](#)

Paul Karason’s entire skin gradually turned blue after consuming colloidal silver that he made himself.

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