

The Dilated Times

Version 4.0

The newsletter of the Drew University
Society of Physics Students

March 1994

S.P.S. Officers:

Larry Barisciano	President
Amy Perkins	Vice-President
Michael Lefand	Secretary/Treasurer
John Lamarr	Activities Director



Schedule of Upcoming Events

Thursday, April 7.....SPS meeting to elect officers approximately 4:30,
to be held in Hall of Sciences 244
Monday, April 11.....SPS Banquet—more details to come.
Saturday, April 16.....Spring Saturday-SPS physics demo table at the
activities fair.
Sunday, May 1.....SPS Annual Spring Picnic details will follow.



Ballistic Quotes From the Past

Pat Boeshaar:

- I think it was a simple case of too much turkey on the brain.
- They ate plum pudding, but that's too fattening, so we eat Jell-o, it's more visual.
- Let's bring the walls of the universe in!

Steve Surace:

- John (Lamarr), there are sometimes that you're so funny, and then there's just now.

Larry Barisciano:

- (To Craig) I wasn't thinking of that mathematically!

Physics- In a Different Light.

by Umer Ahmad

Dielectric strength.
I need an insulator!
The shock is overwhelming.
Dipole moments- schizoid in nature
Ionizing emotions
Help neutralize the charge
While sparking painful feeling
Followed by intellectual recognition.
So goes the origin of
Electricity from Magnetism.

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(Author's note: I just meant it to be a poetic conception of physics that encapsulates certain ideas about natural human experiences, thoughts and feelings.)

WHY WE STILL NEED PHYSICISTS or WHAT'S WRONG WITH THIS PICTURE?

FREE-ENERGY TECHNOLOGIES

For decades, the various energy companies have been COLLUDING with each other, [and probably also with the national and international bankers, governments, news media, 'scientific' establishment, and 'education' systems], to successfully ignore or even SUPPRESS several kinds of 'FREE-Energy' technology. Government intervention is needed to stimulate research, development, and mass production of these technologies.

Free-Energy devices probably do not create energy, but rather tap into EXISTING natural energy sources by various forms of induction. Unlike solar or wind devices, they need little or no storage capacity, because they can tap as much energy as needed whenever needed.

For example, at least three U.S. patents (#3,811,058, #3,879,622, and #4,151,431) have so far been awarded for motors that run EXCLUSIVELY on PERMANENT MAGNETS, apparently tapping into energy circulating through the Earth's magnetic field. The first two require a feedback network in order to be self-running. The third one, (as described in detail in 'Science & Mechanics' magazine, Spring 1980), requires

critical sizes, shapes, orientations, and spacings of magnets, but no feedback. Such a motor could drive an electric generator or reversible heatpump in one's home, year round, FOR FREE.

During the 1930's, an Austrian civil engineer named Viktor Schauburger invented and partially developed an 'IMPLOSION TURBINE' (German name, 'ZOKWENDLE'). As described in the book 'A BREAKTHROUGH TO NEW FREE-ENERGY SOURCES', by Dan A. Davidson, 1977, water is pumped by an IMPELLER pump through a LOGARITHMIC-SPIRAL-shaped coil of tubing until it reaches a CRITICAL VELOCITY. The water then implodes, no longer touching the inside walls of the tubing, and drives the pump, which then converts the pump's motor into an electric generator. The device seems to be tapping energy from that of the Earth's rotation, via the 'Coriolis effect', LIKE A TORNADO.

A fourth type of Free-Energy device is the 'McClintock AIR MOTOR' (U.S. Patent #2,982,261), which is a cross between a diesel engine (it has three cylinders with a compression ratio of 27 to 1) and a rotary engine (with solar and planetary gears). It burns NO fuel, but becomes self-running by driving its own air compressor. This engine also generates a lot of heat, which could be used to heat buildings. [David McClintock is also the REAL original inventor of the automatic transmission, differential, and 4-wheel drive.]

Crystals may someday be used to supply energy, as shown in the Star Trek shows [Note: I always look to Star Trek when I'm making legitimate scientific claim, don't you?], perhaps by bombarding them with a beam of particles from a small radioactive source.

One other energy source should be mentioned here, despite the fact that it does not fit the definition of Free-Energy. A Bulgarian-born American Physicist named Joseph Maglich has invented and partially developed an atomic FUSION reactor which he calls 'Migma', which uses NON-radioactive deuterium as a fuel [available in nearly UN-limited quantities from sea water], does NOT produce radioactive waste, can be converted DIRECTLY into electricity (without energy-wasting steam turbines), and can be constructed small enough to power a house or large enough to power a city or spaceship. And UN-like the 'Tokamaks' and laser fusion monstrosities that we read about, Migma WORKS, already producing at least three watts of power for every watt put in. ['New Times' (U.S. version), 6-26-78, pages 32-40.]

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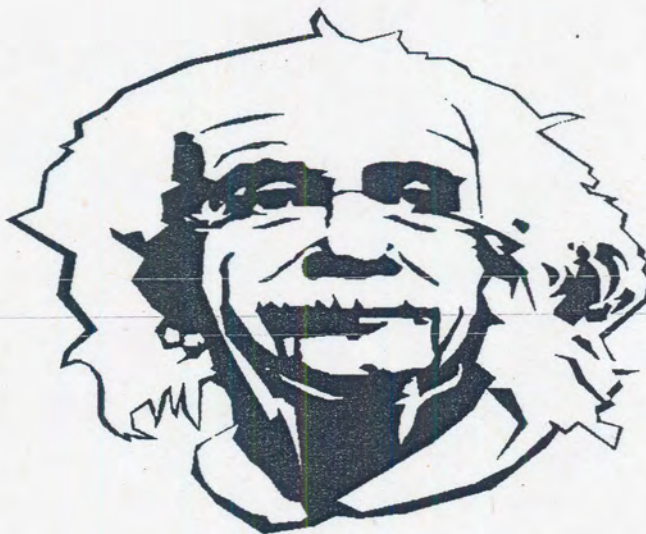
Where has The Time Gone?

by Craig Watson

It seems like only yesterday that I was a freshman in Phys 11, my first Physics class. For that matter, how long has it been since I heard in high school physics about an apple falling on Newton's head? Well, I guess it has indeed been a long time. Now I am a junior—soon to be a senior—in college, and I am officially taking my final Physics class, Modern Physics. My friends and fellow Chemistry majors have called me crazy for taking these higher-level Math and Physics courses. In truth, I have thought the same thing occasionally myself! I must admit, though, that my Physics experience here has been very enjoyable as well as mega-instructional.

I will list my top 10 experiences with Drew Physics over the last 2 1/2 years:

10. The quotes in the Dilated Times. They are great!
9. Dr. Fenstermacher's bubbling Christmas Lights. I had to buy some for the tree at home.
8. The Twin Paradox. I told my parents that this explains why my twin sister and I are so much different. They believed me.
7. My first SPS newsletter article that I wrote 3 years ago. I told everyone I had been "published".
6. Dr. Carter's bow ties. These seriously look stylish!
5. The subtle competition between SPS and the Chemistry ACS Affiliates. Hey, I have heard first-hand the trash-talking from both sides.
4. Professor Boeshaar's Yankee memorabilia. Some really classic photos and stuff.
3. Steve Goessel's (grad. 1992) "Spoooge". Some truly weird mixture. A liquid to look at but a solid when you hit it with your finger.
2. Dr. Supplee's lectures (I had him for Phys 14 in Spring 1992). I mean, you just HAVE TO mark the "ALL THE TIME" box on the evaluation form for "ADDING DIMENSIONS NOT IN THE ASSIGNED READINGS".
1. Dr. Fenstermacher's Phys 11 final exam: December 1992. A chilly winter night, 7-10 p.m. and I MEAN 10 p.m. Dr. F brought in coffee for everyone. A nice touch on a freezing night!





CAUTION
PHUTURE
PHYSICIST
AT WORK