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Physica Junior!: The Newsletter of UTEP's Department of Physics

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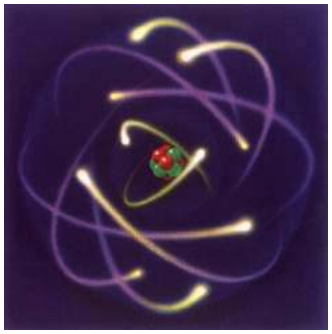
Physica Junior!

The Newsletter of UTEP's Department of Physics

Volume I Spring 2002

Howdy guys!

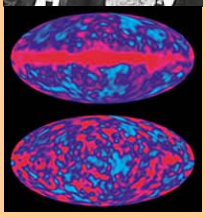
Physica Junior! Is our new publication for high school Students. The purpose of this newsletter is to build a bridge between the world of physics and you, **yes YOU!** Because, even if you never thought about it, you can be a scientist. So give yourself a chance and explore our world, the world of **The Physics Department of** UTEP

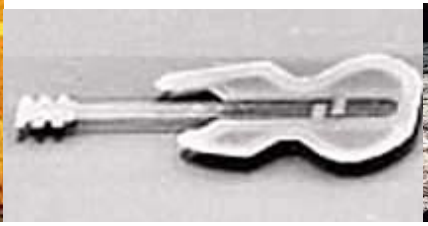


Free gift for your high school!

As you know, **Physics** is the study of *Nature*, and as such it has to do with just about everything you see (or do not see), feel (or do not feel), hear (or do not hear), smell (or do not smell) and taste (or do not taste). For instance physicists discovered the **X-rays** developed the **V-2 Bomber**, found the radiation from the **Big Bang**, designed the trip to the **Moon**, and are now carving **Nanoguitars**, the size of a blood cell.

To see the past hundred years in the history of physics in a dramatic timeline wallchart "**A Century of Physics"**, created by the American Physical Society, please ask your physics teacher to request **a free copy from the editor of** Physica Junior! **by phone (915-747-5715), Fax (915-747-5447) or e-mail (physics@ utep.edu).**





Remember when ?

In May 1997 high school teachers **Jose Polanco** (Socorro HS then, Clint HS now), **Ralph Peña** (Silva Magnet HS) and **Joyce Gawell** (Del Valle HS) escorted a group of six high school students to perform a series of nuclear physics experiment at the accelerator of University of Northe Texas in Denton. Also in the picture **Dr. John Fox** (Oak Ridge National Lab.), then B.S. physics major **Jaime Morales** (now a Ph.D. student at U. Illinois-Urbana Champaign) and his former research advisor **UTEP's Dr. Jorge A. López.**

WANT TO GO ON A PHYSICS FIELD TRIP?

You can visit:

- **White Sands Missile Range (1.5 hours)**
- **MacDonald Observatory (4 hours)**
- **Sandia National Laboratory (5 hours)**
- **Los Alamos National Laboratory (6 hours)**
- **Kitt Peak Observatory (6 hours)**
- **Johnson Space Center (12 hours)**
- **Jefferson Laboratory (by plane)**

Talk to us, we can help!

(915)747-5715, physics@utep.edu

Questions Wanted!

Here in the Physics Department we specialize in answering questions. Please ask your physics questions to

THE EXPLAINER by phone (915-747-5715), Fax (915-747-5447) or e-mail (physics@utep.edu).

Here are some tough ones:

- **What is matter?**
- **What is the vacuum?**
- **How does the sun produce light**
- **Can you travel back in time?**
- **What existed before the Big Bang?**

The Physics Circus

UTEP's **Society of Physics Students** (SPS) maintains a world-famous circus (here world means El Paso and neighboring counties). The presentation includes amazing demonstrations with all the fizz and bangs and without the math.

If you want to invite the Circus to your high school please contact SPS president: **Mario Borunda** at **(915)-747-5715** or by e-mail **mborunda@utep.edu.**

Physica

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