



Physica



The Newsletter of UTEP's Department of Physics

Volume II

February 2003

So long Dr. Barnes

by Dr. Harold S. Slusher

This University and the Department of Physics lost its most famous professor recently. Dr. Thomas G. Barnes, Professor Emeritus of the Department of Physics died a few months ago. Dr. Barnes was a "Physicist's Physicist." He was a genius in Physics and a man of great character. He was immensely popular with the students. He was warmly referred to by many as Dr. "Two Gun" Barnes.

Dr. Barnes served at UTEP from 1938 until his retirement in 1981. His degrees were from Hardin-Simmons University and Brown University. He studied at Brown under the famous Dr. R.B. Lindsey. Dr. Lindsey referred to him as one of his most talented graduate students. A few of his accomplishments are listed as follows:

1943-1945. During World War II as Electrical Engineer, Division of Physical War Research, where he invented DODAR, an electronic device used by the Marines for locating enemy guns; 1943-1946 Consulting Physicist, U.S. Navy.

1952-53. On leave as a Visiting Fellow at Brown University; 1953-1965. Director of the Schellenger Research Laboratories; 1965-1976. Consulting Physicist for Globe Universal Sciences and Shell Development Company; 1981-1983. Dean of the Graduate School, Institute for Creation Research, El Cajon, California.

Dr. Barnes published more than 35 articles and wrote several books: 1) Foundations of Electricity and Magnetism Origin and Destiny of the Earth's Magnetic Field; 2) Physics of the Future: A Classical Unification of Physics. And 3) Space Medium: The Key to Unified Physics.

Other credentials: Served four years as President of the Creation Research Society; Chairman of the Textbook Committee for BIOLOGY, *A Search For Order in Complexity* (Zondervan); Chairman of the Committee on Openness in Science. It was signed by more than 700 creationist scientist; Served on the Editorial Board of the science *Journal Galilean Electrodynamics*.

UTEP, El Paso and the world has lost one of its brightest lights.

Dr. Thomas G. Barnes was a man "to ride the river with."



Departmental News

- **Niescja Turner** received the prestigious NSF Career award. **Congratulations!**
- UTEP SPS are featured in The U.S. Dept. of Energy Research News Webpage. [Check it out!](#)
- **Mario Borunda** is being recognized as an SPS 2002-2003 Leadership Award (\$1000). **Congrats!**
- **Jorge Lopez** edited volume 16, 1-4, 2002 of Heavy Ions Physics. **Look for it!**
- **Ramon Lopez** published the book "Storms from the Sun" **Interesting!**
- See our trends in <http://physics.utep.edu/physics/news/PhysReports/Department%20trends.ppt>
- **Kastro Hamed** joined our faculty this last fall. He specializes in physics education.
- **Francisco Solis** also joined our faculty this last fall. He does research on biophysics.
- **Mila Suskavcevic** also joined our faculty this last fall. Mila has a PhD in Educational Leadership.

Remember when ?



CATHY CHACON, 5/1993

Cathy Chacon and physics staff in 1993.

**Where are YOU?
Please send us a line!**

New Positions in Physics

Experimental Surface Science

UTEP's Physics Department invites applications for a tenure-track position specializing in experimental Surface Science. Applicants must have a Ph.D. in Physics or Materials Science, as well as a demonstrated potential in teaching and research. The position is expected to be filled in the Fall of 2003. Please submit curriculum vita, a description of teaching and research interests, and three letters of reference to Ramon Ravelo, Search Committee Chair, Department of Physics, University of Texas, El Paso, Texas, 79968-0515. Inquiries may be e-mailed to ravelo@psci.utep.edu.

Physics Education Position

The University of Texas at El Paso invites applications for two tenure - track positions in Physics Education; one at the Assistant Professor level and the other open-rank (Assistant, Associate, or Full Professor). Candidates should have a Ph.D. degree. The successful applicants will teach physical science courses in a field-based teacher preparation program and conduct a funded research program. They will also play a major role in the development of a new Masters of Arts in Science Teaching. Please submit curriculum vita, a description of research interests, and three letters of reference to Search Committee Chair, Department of Physics, The University of Texas at El Paso, El Paso, Texas, 79968-0515. Application review begins March 1st and will continue until the position is filled.

Congratulations to our new B.S graduates

- Aramis Martinez
- John Olgin

Physica

Send news, letters, etc. to: Dr. Jorge A. López, Physics Department, University of Texas at El Paso, 500 W. University Ave. , El Paso, TX 79968, (915) 747-5715, ioraelopez@utep.edu.

Who is this guy?



Give it a try, send us your answer!!!

Your Support is Welcome!

You can contribute to our success!

Please send your donation to: The Physics Department, UTEP, El Paso, TX 79968, USA

Name: _____

Amount: \$20 ___ \$50 ___ \$100 ___ Other \$ _____

Address: _____

Please use this contribution for:

- Dr. Thomas G. Barnes Physics Fund _____
- Dr. R. Shumaker Fund _____
- Physics Gift Fund _____

- Dr. C. Sharp Cook Graduate Scholarship Fund _____
- T. E. Morris Graduate Scholarship Fund _____
- Let the Chair decide how to use this donation _____

You can also contribute during UTEP's annual phone campaign organized by the development office.