

SPOTLIGHT ON “HIDDEN PHYSICISTS”

**MARILYN GLAUBENSKLEE,
ASSISTANT GENERAL COUNSEL,
SUN MICROSYSTEMS, CA**

“This solicitation was passed onto me in a Christmas card I received from my college physics professor (and dear friend) Dr. Sallie Watkins of Pueblo, CO.

“I am writing to offer my whereabouts for publication in the next available issue.

“I am working outside the traditional physics community primarily as a patent attorney. I have held positions in this capacity with many high tech companies, including: GE, Varian, Tyco, Lam Research, and now Sun Microsystems. As an attorney, my role is to counsel and service these companies in protection and management of their intellectual assets. My position affords me the privilege of working with world class innovations and innovators—and through them, I stay connected to the physics community.”

(See Dr. Sallie Watkins’ article, “Shall We Eschew the Right-Hand Screw?” *Radiations*, Fall 2002 — Editor)

**ARLO GREISS, SR. SALES REP.,
EMERSON PROCESS
MANAGEMENT, WARRINGTON, PA**

“I work for the Rosemount Division of Emerson [Process Management]. I sell, apply, configure, startup, and troubleshoot pressure, temperature, level, and flow measurement devices to major chemical and refining accounts.”

**LYNN GREER JOLITZ, FOUNDER
AND CTO, EXECPRODUCER, LOS
GATOS, CA**

“Lynn Greer Jolitz has been a founder of startups ranging from workstations to Internet infrastructure. She is currently founder and CTO of ExecProducer, an Internet multimedia collaboration company.

“Prior to ExecProducer, Lynn was Director of Network Engineering for a top-10 (Media Metrix) publicly traded 24/7 media and entertainment content datacenter transacting 28 million ad impressions per day and hundreds of millions of Web pages throughout the

world. Her latest book discusses the next wave in on-demand computing and how it will impact future adaptive datacenter design, deployment, and management.

“Lynn is also a noted author and authority on operating systems and networking issues, and has published featured articles on women in technology issues, most recently in the *San Francisco Chronicle*, and on technical topics in major trade publications such as *Dr. Dobbs Journal* and *Byte* as well as at major conferences. She is a co-author of the *Operating Systems Source Code Secrets* series, and co-creator of the 386BSD open source releases (as described in the *Salon* article ‘The Unknown Hackers’) and the Open Systems Platform for Research, Education, and Technology (OSPREY) project, as described in her paper ‘From 386BSD to OSPREY: The Evolution of an Operating System’ (Grace Hopper Conference for Women in Technology,

(continued on next page)

“Hidden Physicists”

One of Sigma Pi Sigma’s greatest assets is its diversity. Stemming from a common interest in and aptitude for physics, our members have gone on to pursue a multitude of interesting and unusual career paths. Now, more than ever, we seek to draw on the wisdom and experience of our alumni.

With help from the American Institute of Physics, Sigma Pi Sigma is attempting to locate the names and whereabouts of people with BS, MS, or PhD degrees in physics whose careers have taken them away from the “traditional” physics community. We ask for your help in finding the universe of people who

are trained in physics—what they do and where they are. As the physics community faces new challenges and opportunities, we would like to engage these “hidden physicists” in the fellowship of physicists. Therefore, if you work outside the traditional physics community, please provide us with the following information. Also, if you know of others in similar situations, please encourage them to contact us. Several responses will be selected for publication in each issue of *Radiations*.

Material for publication must be received by February 15 for the spring issue, and by August 15 for the fall issue.

Name _____ Position _____

Company _____

Address _____

Telephone _____ Fax _____ E-mail _____

Comments _____

Send to: Sigma Pi Sigma, American Institute of Physics, One Physics Ellipse, College Park, MD 20740
Telephone: (301) 209-3007 • Fax: (301) 209-0839 • E-mail: sps@aip.org

October 2002). Her published works have been translated into German and Japanese.

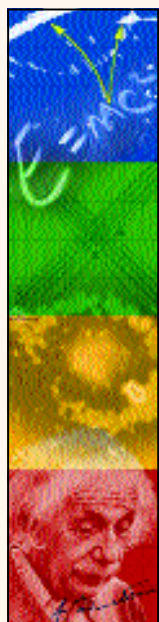
“Lynn received a granted fundamental technology patent (2001) for her four-year work in very high speed Internet protocol transaction technologies for high-end datacenters at InterProphet, the Internet infrastructure company she co-founded. Lynn was responsible for the development of the proof-of-concept scalable design and product that definitively solved both the 30-year bandwidth bottleneck problem while providing the ultimate solution to denial-of-service attacks by receiving the information ballistically, processing it on-the-fly, and acknowledging the results with no microprocessor intervention required. She held P&L responsibilities and the Secretary to the

Board of Directors position. Prior to InterProphet, Lynn held P&L operational responsibility at Symmetric Computer Systems, a manufacturer of Unix workstations, for five years.”

**CARLEEN E. RICHMOND, PHD,
NEW MARTINSVILLE, WV**

“I am a hidden physicist living in the backwoods mountains of ‘wild and wonderful’ West Virginia, in a 150-year-old house built by settlers in the region. My education is as follows: a BS in physics (‘88), MS in polymer science (‘93), and a PhD in polymer science (‘98); all from the University of Akron, Akron, OH. I believe I was the first woman to graduate with a four year degree in physics from my department. I was also elected to Sigma Pi Sigma, the National Physics Honor Society. My graduate

research projects were applied physics problems regarding the application of Einstein’s Viscosity Equation to reinforced rubber. I also produced two beautiful babies during my graduate research, and I’m a member of the American Chemical Society, Rubber Division. I have held some temporary positions in industry. At this time, I am recuperating from a long illness and returning to my research independently. My heart will always be in physics, and I believe that we as physicists must carry the message of truth in all we do. We must not forget the magic in the light. One finding stands out above all the rest: ‘What I seek most, within my feeble capacity, is to serve truth and justice at the risk of pleasing no one.’— Albert Einstein”



CELEBRATE 2005 AS THE WORLD YEAR OF PHYSICS

Joining other noted physics organizations such as the International Union of Pure and Applied Physics (IUPAP) and the American Physical Society (APS), the 2003 SPS Council declared 2005 as the World Year of Physics, in commemoration of Einstein’s “miraculous year” of 1905. As SPS prepares for this celebration by incorporating 2005 themes into its events and awards programs, other societies, such as APS also are making plans. The letter below gives some examples of ways that your SPS chapter can become involved with the larger physics community.

Dear SPS Members:

We are writing to enlist your help with a unique physics outreach opportunity. The year 2005 has been declared the World Year of Physics by the International Union of Pure and Applied Physics (IUPAP), in commemoration of Einstein’s “miraculous year” of 1905. Under the theme “Einstein in the 21st Century,” the APS is coordinating American participation. We hope to involve the whole physics community in a large number of activities at the local level, to bring the importance and excitement of physics to the general public.

Although we are planning a number of nationwide projects, aimed mainly at K-12 students, the year will not be a success unless physicists everywhere pitch in and organize their own events in their own communities. We have in mind activities like an open house, where the public is invited to come for a day to be both entertained and informed, or a public lecture. We hope to have available a list of speakers in case you prefer to invite someone rather than make use of local talent. Other activities might include writing an article for the public and publishing it in your local media outlet. We can offer assistance and advice with regard to media relations. In addition, any outreach that you would normally conduct during 2005 can be done under the aegis of the World Year of Physics. We can supply logos and other material for this purpose.

To help with the coordination, we have set up a Web site, www.physics2005.org, which is now fully operational. We would be delighted to include a listing of your activities, so we hope you will not only plan something but also keep us informed. To let us know what you’re doing, or to discuss any other aspect of the World Year of Physics, please contact either of us or our 2005 coordinator, Vinaya Sathyasheelappa, sathyash@aps.org, 301-209-3217.

It may still be early 2004, but because of the academic calendar, the World Year of Physics will effectively run from the fall of 2004 through 2005. It is not too early to plan now. We look forward to hearing from you.

Sincerely,

Judy Franz
APS Executive Officer

Alan Chodos
APS Associate Executive Officer

Gary White
SPS and Sigma Pi Sigma Director

