them. Brosnan and the leading lady (Izabella Scorupco) spent a total of 4 hours on site and 4 minutes acting. They had to run along the rim road for 50 yards (see first photo on previous page) until they located an opening to slide down the dish. This is where the dummies were supposed to take over. The tough director of the first filming unit was satisfied that he had gotten what he wanted after 9 takes. A very tired Bond hurried back to his air-conditioned motor home for the ride back to San Juan.

It is all over now and what remains are some memories, several new friends, and a donation by EON to pay for part of the cost of the elevator that goes into our new visitor center. I wonder if this elevator should go between floors "006" and "007"? You will be able to see the results of all this by December when *Goldeneye* is supposed to be released.

Comings and Goings

An Astronomer is Born

Carmen Pantoja, who had been an Oklahoma University graduate student, resident at the Arecibo Observatory since 1992, has just received her Ph.D. Carmen first became interested in an astronomy career while a student at the University of Puerto Rico-Rio Piedras, where one of her physics professors was Daniel Altschuler, the current director of AO and her thesis advisor. She has accepted a post-doctoral position with John Huchra at the Center for Astrophysics of Harvard University, where she will continue her research in the Zone of Avoidance and embark on new projects.

We congratulate Carmen and wish her the best of luck as she departs for Massachusetts. However, we are sad to see our friend (and Editorial Assistant) go—her mastery of FrameMaker will be especially missed by us, the hapless Editors.

Photo by Tony Acevedo.

Edith Alvarez serves up some cake for Carmen Pantoja at her post-defense party.

Bob Thomas Departs

Arun Venkataraman

It is not quite six years since Bob Thomas joined the AO Computer Department as a Senior Software Specialist. His departure in May leaves a sizable void in our small staff. Bob took on the not-always-pleasant tasks of network administration with characteristic vigor and dedication, and will be especially missed by the summer students this year. We wish Bob all the best in his future travels, and trust he will not forget his (Puerto Rican) Spanish.

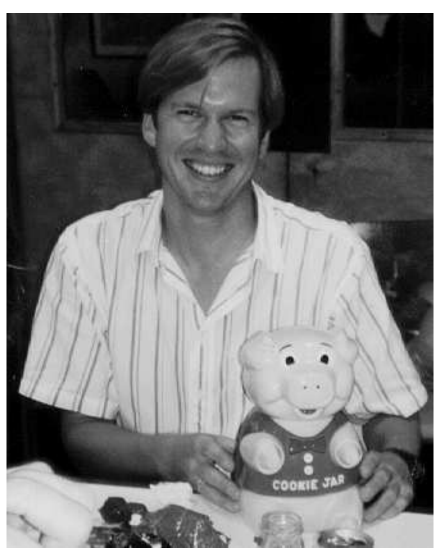

Photo by Susan Nossal.

Bob Thomas and his alter ego.

Swiss Students Visit

Susan Nossal

Approximately 30 Swiss physics students visited the Arecibo Observatory on March 10, 1995 as part of a class trip to Puerto Rico. These students are advanced undergraduate students at the Swiss Polytechnic Institute at Lausanne. The trip was led by Prof. Christian Grüber. While at the observatory, the students toured the facilities and attended presentations concerning astronomical and atmospheric research at the observatory.

Mini-Workshop on Pulsar Sciences with the Upgraded Arecibo Telescope

Kiriaki Xilouris

The Arecibo upgrade project is now well advanced, and first light is expected late in the first half of 1996. It has been almost a decade (October 1986) since the last workshop on science with the upgraded telescope. We have organized a small workshop at the observatory this fall (8-10 September), focused on the current trends in pulsar research, the science to be pursued with the upgraded telescope in this field, and the instrumentation needed to exploit the upgraded telescope to the full extent.

We are bringing together at Arecibo a limited number (20) of potential telescope users in the field of pulsar research for a two-day mini-workshop aimed at delineating the needs arising from pulsar research as perceived nine years after the first upgrade science meeting. The following topics will be discussed:

- Current trends in pulsar research and the implications for Observatory facilities.

• Pulsar instrumentation: planning for the future.

We believe that this workshop will offer a cross-section of the pulsar community the opportunity to express its opinions on the opportunities offered by the upgraded telescope and the facilities needed to enable the widest range of research possible. Due to space limitations, we have kept the number of attendees small. We encourage other contributions to be submitted by e-mail as poster presentations. Any questions or inquiries should be directed to Kiriaki Xilouris (kiriaki@naic.edu).

Molecular Line Workshop

Luca Olmi

The First Announcement has recently been circulated for an Arecibo Observatory Workshop on Molecular Spectroscopy in the 1 to 10 GHz Range with the Upgraded Arecibo Telescope. The workshop anticipates the finishing of the current extensive upgrade of the 305-m telescope during 1996.

The "new" telescope and its upgraded instrumentation are expected to have a major impact for molecular spectroscopy with its (i) continuous frequency coverage up to 10 GHz, and enhanced frequency agility, (ii) increased sensitivity, distributed more uniformly with zenith angle, (iii) increased angular resolution, similar to that obtainable with mm-wave antennas, (iv) improved polarization characteristics, and (v) much cleaner beam-shapes, with lower side-lobe levels.

In organizing this workshop, our aim is to bring together both established and potential Arecibo users to discuss what the upgraded telescope can contribute to the field of molecular-line observations between 1 and 10 GHz and to provide advice and ideas for post-upgrade operations, technical requirements, etc. The main topics foreseen are: *spectral line surveys, molecular cloud cores, circumstellar material, maser research, molecular-line observations at high redshift, probing physical conditions with low-energy transitions, ISM studies, and measurements of the Zeeman effect for molecules.*

The workshop will take place between Wed, Oct 18th, and Fri, Oct 20th, 1995. There will be a number of invited review talks of about 1-hour duration each. Those presently expected to give reviews are: Carl Heiles, Loris Magnani, Karl Menten, Barry Turner, Malcolm Walmsley, and Alwyn Wootten. Other contributions will be either short (10 + 5 min) or long (20 + 10 min) talks. Arecibo staff will give additional talks. *Contrary to the circulated First Announcement, no participant selection will take place.*

A maximum of 25 persons can be accommodated (in double rooms) in the Visiting Scientist Quarters (VSQ) of AO. When desired, VSQs will be assigned on the basis of the first registration fees received after the Second Announcement of the meeting (invited speakers will have priority in being accommodated in the VSQs). However, participants can also choose hotel accommodation. Please be advised that the nearest hotels are about a 30-45 minute drive from the observatory. The workshop registration fee of US$100 includes a copy of the conference proceedings and a banquet. Unfortunately, no financial aid is currently available.

To obtain more information contact the Organizing Committee: Luca Olmi (olmi@naic.edu), Willem A. Baan (willem@naic.edu), Daniel R. Altschuler (daniel@naic.edu), or Paul F. Goldsmith (goldsmit@astrosun.tn.cornell.edu).

Job Announcement

Senior Software Specialist

The Arecibo Observatory has an immediate opening for an experienced Senior Software Specialist. The candidate should have at least a Bachelor's degree in mathematics, physics, or electrical engineering, and a minimum of three years experience programming scientific applications in a Unix workstation environment. Additional qualifications sought include knowledge of programming and administering relational databases, graphical user interface design, and Unix network programming. Experience with real-time data acquisition is desirable. The successful candidate will be an employee of Cornell University and be eligible for all of the university's normal benefits, including excellent medical, life insurance, and retirement plans. The observatory, home of the largest (305-m diameter) single-dish radio telescope in the world, operates a network of about 50 Unix workstations used for scientific data reduction and visualization.

The Observatory, located in Arecibo, Puerto Rico, is part of the National Astronomy and Ionosphere Center, which is operated by Cornell University under a cooperative agreement with the National Science Foundation. It is a National Center for research in radio astronomy, radar astronomy, and atmospheric physics, and offers technical challenges in a Caribbean setting.

Please send résumé to:

Arecibo Observatory
Human Resources Dept.
P.O. Box 995
Arecibo, Puerto Rico 00613
U.S.A.