- 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.