chairman of URSI US Commission J - Future large aperture instruments.

Jo Ann Eder (Research Associate): The properties of gas-rich S0 galaxies and their implications for galaxy formation and evolution - The identification of "new" polar-ring S0 galaxies and the determination of their neutral gas content - The properties of dwarf irregular galaxies and the large-scale distribution of dwarf galaxies as a test for various theories of galaxy formation - The atomic gas content of active galaxies, star-forming galaxies, and ultra-luminous IRAS galaxies to investigate the relation between gas content and intense star-forming activity - A blind search for millisecond pulsars - REU summer student program - Development of the exhibits for the new AOVEF.

Tapasi Ghosh (Research Associate): Low-frequency variability of compact extragalactic radio sources - High-resolution studies of Seyfert Galaxies - Neutral-hydrogen contents of ultraluminous IR galaxies - Physical nature and spatial distribution of the ionized component of the interstellar matter.

Brian Murray Lewis (Senior Research Associate): Radio-frequency spectroscopy - Neutral hydrogen in galaxies - Masers in the circumstellar shells of red giant stars in their mass-loss phase, the late stages of stellar evolution - Precision of measurements, particularly with respect to radial velocities deriving from radio-frequency spectra.

Luca Olmi (Research Associate): The troposphere in limiting the performance of millimeter and sub-millimeter radio interferometers - Multi-transition studies of several molecular species in "hot-cores" associated with ultra-compact HII regions - Study of low-luminosity pre-main-sequence candidates in the molecular cloud Chamaeleon II - Software development to make the Arecibo line data compatible for analysis with CLASS and to point using conical-scan techniques.

Carmen Pantoja (Very recently graduated student): Galaxy distribution in the Zone of Avoidance.

Chris Salter (Head of Radio Astronomy Group, Senior Research Associate): Continuum emission from the galactic center at 84 GHz - The high-frequency spectra and polarization properties of compact-steep spectrum sources - HI-absorption of the radiation from pulsars - The continuum emission from supernova remnants - Clustering of radio galaxies seen through the galactic plane.

Kiriaki Xilouris (Research Associate): Millimeter-wavelength pulsar observations - High-frequency polarimetric pulsar studies - Millisecond pulsar polarimetry - Interaction of aged planetary nebulae with the ISM - Wide-field narrow-band photometry of extended low surface brightness SNRs.

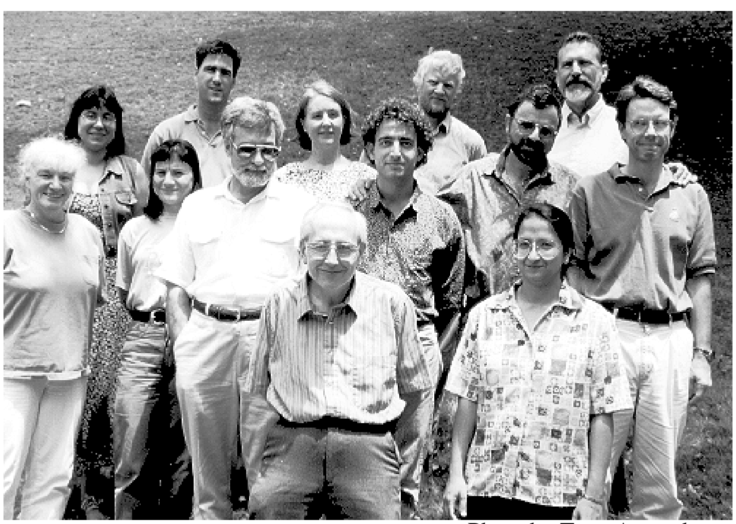

Photo by Tony Acevedo.

From left to right: Jo Ann Eder, Carmen Pantoja, Kiriaki Xilouris, Paul Castleberg, Murray Lewis, Alice Hine, Chris Salter, Luca Olmi, Willem Baan, Daniel Altschuler, Tapasi Ghosh, Mike Davis, John Harmon.

Summer Students, 1995

Jo Ann Eder

A new group of summer students have begun to arrive at the observatory. Each student will spend 10 weeks working on a research project with a scientific advisor and learning about the radio astronomy, radar astronomy, and atmospheric science being investigated at Arecibo.

The staff is happy to welcome: Marcel Agueros (Columbia), Jose Bartolomei Diaz (Univ. of Puerto Rico-Rio Piedras), Ann Bragg (Rice), Genene Fisher (Boston Univ.), Eran Jones (Southwest Missouri St. Univ.), Antonio Juarbe (Univ. of Puerto Rico, Mayagüez), Nicole Lloyd (Cornell), Kristin Nelson (Cornell), Henry Roe (Williams College), and Yu-Ling Su (National Central Univ., Taiwan).

The students will again be able to live on site in the VSQs. As in previous years, excursions will be organized to explore the island of Puerto Rico. We hope that the students will enjoy a productive and rewarding summer.

Status of the Visitor and Educational Facility

Daniel R. Altschuler

Of twelve pre-qualified contractors, four responded to Cornell's request for proposals. However, the lowest bid was still somewhat higher than the available funds, so we faced the choice of modifying the architectural design of the build-