

physics and non-equilibrium processes. His recent research has been in the area of phase transition in nonequilibrium systems, the nature and the detection of the various tunneling states of Josephson junctions, the properties of small systems and the quantum theory of measurement. He will be concentrating on these areas through the tenure of his Career Development Chair.

JJ is currently co-principal investigator (with J.T. Chen) on a research project, "Josephson Vortex Properties and Non-equilibrium Superconductivity," which is funded by the National Science Foundation.

International Positron Workshop



What a group!

The "Third International Workshop on Positron (Electron)-Gas Scattering" held at Wayne State University from July 16-18 was considered to be a success by the more than 70 participants, of which nearly one half were from outside North America. The scientific sessions included the presentation of 20 invited papers and 36 contributed papers, and a tour of the positron (electron)-gas scattering laboratories of Talbert Stein and Walter Kauppila.

The opening session of the Workshop was led off with "A Tribute to the Memory of Sir Harrie Massey", presented by Professor T.C. Griffith of the University College London, which recognized the stimulation and many contributions of Sir Harrie to the development of the field of positron-gas scattering. Another Workshop highlight was the talk "Positron Astrophysics in the Galactic Center Regions: Observations and Simulations" by Marvin Leventhal of AT&T Bell Laboratories. He presented his latest observations that the intense source of positron annihilation radiation observed coming from the direction of our galactic center appears to be turning on and off in a period of less than one year, which is an indication that this source is a very compact object (astronomically speaking), such as possibly a supermassive black hole.

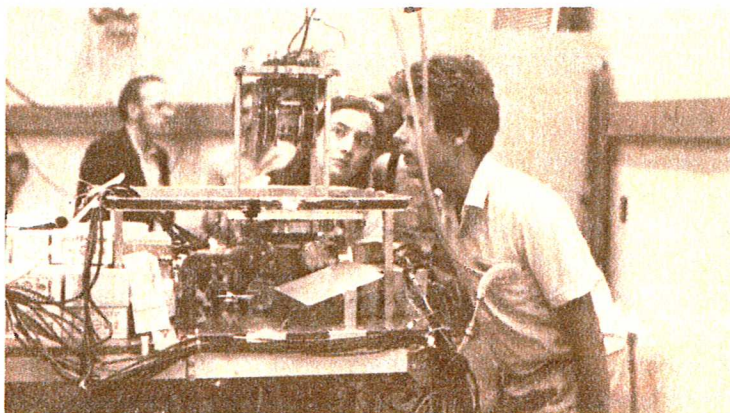
An important part of the Workshop was considered to be the opportunities for the participants to interact on a more informal basis, as well as in the organized sessions. This was partially accomplished by



Reception at the Henry Ford Estate

and the Workshop outing and banquet at the Henry Ford Estate in Dearborn. The local organizers (Walt Kauppila, Bert Stein, and Jogindra Wadehra) were very pleased with the many favorable comments made in regard to the Workshop, Wayne State University, and the Detroit area.

The proceedings of the Workshop (invited and contributed papers) will be published in the near future by World Scientific Publishing Company. The



Some Workshop participants looking over the Positron lab equipment during their tour

Workshop was supported by the National Science Foundation and Wayne State University.

The Workshop was considered a satellite meeting of the "XIV International Conference on the Physics of Electronic and Atomic Collisions" held July 24-30 at Stanford University, where Bert Stein presented an invited review paper on "Positron (and Electron)

