

## FACILITIES



Telescope facilities for astronomical research at the University of Arizona are operated by the University of Arizona Observatories and are scheduled by joint committees which include personnel from LPL and Astronomy/Steward Observatory. Instruments which are available include the 229 cm telescope on Kitt Peak, the 154 cm telescope at Catalina Station and the new Multiple Mirror Telescope with six 183 cm objectives. A considerable number of smaller instruments are also used for special applications.

An unusually complete collection of planetary photographs from spacecraft and earth-based telescopes is available at LPL. In addition to archival material dating to prior to the founding of the Laboratory, a Space Imagery Center contains on the order of one million images of the planets and satellites, together with topographic and geologic maps produced from this imagery. By agreement with NASA, this collection will continue to be updated as

material from current and future planetary missions becomes available.

In the basement of the Space Sciences Building are a number of laboratories for geochemical and cosmochemical research. These include a scanning electron microscope and microprobe, high-temperature furnaces for rock-melting experiments, a nuclear particle track laboratory and a radiochemistry separation and counting facility. A nuclear reactor located on campus is available for activation of samples.

Essentially every major research group in LPL maintains one or more special-purpose computers. In addition, the Laboratory operates a general-purpose PDP 11/40 with two 50-megabyte discs which can be used in time-shared and interactive modes. This computer is also linked to the University Computing Center, which has available a CDC Cyber and a DECsystem-10. Complete graphics and plotting facilities are available.