L T E R D ATA B I T S

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Welcome to the summer edition of DATABITS. There have been some exciting developments in the use of Interactive Data Access Systems within the LTER network since the last DATABITS issue. This issue includes feature articles on the new All-Site Bibliography, GOPHER information server software, connecting remote PC's to the Internet and a look at data management at Luquillo LTER and site flashes. There have been some changes on DATABITS availability. Among the most exciting is that on-line searching capabilities are now available and all the past issues are now available in ASCII and Postscript forms over the Internet.

Site Flashes

PAL-- The second field season from September92 to March93 was completed with continuation of the oceano-graphic, krill and bird surveys. In addition to the weekly on-station sampling, there were two major ship cruises dur-ing which core measurements were made off the Antarctic Peninsula. The lterjan93 cruise occupied stations on five transects. The ltermar93 cruise is a fall cruise which is planned once every six year granting period in order to cover the entire ltergrid of ten transects providing a large scale hydrographic survey of the region in addition to the other core measurements. Preparations are underway for a Spring cruise in August93.

The data structure underwent further organization and standardization in order to promote more rapid documen-tation and data report generation. Progress was made on definition of dataforms and core data sets. The on-line browse program work continued in parallel with imple-mentation of a gopher site organization. A new 500mbyte disk came on-line to replace old hardware. A remote cam-pus site appletalk network was linked to the central lter appletalk network using cayman systems gatorboxes per-forming tunneling across the campus internet. This permits both apple file sharing of remote mac/central mac and remote mac/ central unix disks as well as the ability to print remotely on postscript and mac printers. In addition, remote site as well as local mac backups are being done rou-tinely onto an 8mm tape drive from one central location making use of the gatorbox to gatorbox tunneling.

Preparations have begun in order to facilitate dataset docu-mentation while at sea. Also, two unix workstations are being prepared for at sea use. This will eventually permit the palmer lter database of information to be available in the field. *-- Karen Baker, Palmer LTER, KBaker@lternet.edu*