

# Welcome to ALTO land!

## Stanford ALTO user's manual

The Stanford University Computer Science Department has 16 ALTO computers available for use, plus an *Interim File Server* (IFS, nicknamed Lassen), and a high quality printer (DOVER, nicknamed Tahoe). This document explains how to get started, where to go for information, and special features of the Stanford Network. There is no current local ALTO expert. Copies of the *Alto User's Handbook* and *Mesa Language Manual* are available from Connic Stanley in the publications office, room 206 for a \$5 deposit.

Before using an Alto it is recommended that new users read those parts of the *Alto User's Handbook* which concern them. Note, however, that the *User's Handbook* assumes you are working for Xerox, and the situation at Stanford is slightly different. Thus, ignore section 2 of the *Non-programmer's Guide*, and all references to Maxc. *Field Guide to Altoland* also contains much useful information, but it also is oriented to Xerox employees, so many details do not apply here.

At Xerox, each user has his/her own Alto and several disk packs. At Stanford, the Altos are publicly available, and each has two general-purpose disks. It is the user's responsibility to save and restore the files needed during a specific session. Any user is welcome to use any Alto which displays a Stanford Symbol (a little tree wandering randomly around the screen). If the yellow *ready* lights are not on for both disk drives, switch them to the *run* position and wait for the *ready* lights to come on. Boot the Alto by pressing the button on the back of the keyboard between the cables. When you are done type QuitCR to the executive, and turn the disks back to *load* when the Stanford symbol reappears. If another user will be using the Alto soon, don't bother turning the disks off. Just have the next user type in the LoginCR command.

The directory <AltoDocs> contains documentation that users can print. For example, this document is stored under <AltoDocs>Welcome.Press. To print it, use Chat to log on to Lassen and type Print <AltoDocs>Welcome.PressCR, and then Host DoverCR. Please **do not** print manuals longer than 50 pages on the Dover without asking around for someone else's copy to borrow.

The <Forms> directory contains several useful forms. The Stanford CSD letterhead is stored under <Forms>Form.Letter. <Forms>Form.PersonalLetter should be used for non-official letters. TitleBlock.Sil is used to title logic diagrams done in CSD. Schedule.Draw is a Draw format outline for a class or office hours schedule.

## Accounts

Our grant from Xerox states that the ALTOs should be used for teaching and research applications. Accounts are needed to bootstrap and to use the Stanford disk, and to obtain permanent storage on the IFS. If you want an Alto account, fill out "new accounts" form and return it to Susan Hill.

After booting a disk, type your name, return and your password. The password is checked for validity as an IFS account and remembered by the operating system. When you are finished with a session, another user can use the Alto by typing a LoginCR command.

## Mail

The Laurel mail system is used to announce new changes and additions to the system. When you log in, you will be notified if you have any unread mail. New messages are queued on the Lassen directory <Mail>Box> and are fetched automatically by Laurel. The problem is that Laurel expects to keep a working mail file on the local disks. We have solved this problem by writing a command file that FTP's the working file to and from Lassen. To use it type "@Mail" instead of "Laurel". After retrieving your Active.Mail file, the command file invokes Laurel with an automatic check for new mail. After you quit from Laurel your Active.Mail file is returned to the IFS. Note that if the next person to use your Alto just runs Laurel instead of using the command file, he will get your mail file.

@Mail has been changed to delete Active.mail files and fetch distribution lists from the IFS. The distribution list bboard contains every known user, so an effect similar to the SCORE bboard can be achieved by sending to bboard†.

## Other System News

You can now print press files from Lassen directly without first retrieving them with FTP. Use the Print command from FTP Telnet or Chat. Due to an IFS bug you must specify the printing host Tahoe (or Dover) each time the Print command is used. The *FTP Reference Manual* to be found in *Alto User's Handbook* may be outdated. Check <AltoDocs>Ftp.Tty on-line for more current info.

Several command (.cm, .do) files have been added that make certain common commands easier to do. @Clean will clean-up the local disk by deleting non-permanent files. "Do Get <filename>" will do an FTP retrieve of <filename> from Lassen. "Do Put <filename>" will do an FTP store to the IFS. A few new fonts have been installed on the Dover. One of these is Stan200, default font #2 in Bravo. It contains the Stanford seal as character S, and the letters "c", "i" and "s" for a logo for the Center for Integrated Systems.

Complaints, comments, suggestions, improvements, etc. should be sent to your local guru, if you can find one. This manual was written by Bill Nowicki, May 1980 and revised by Ed Falis, September 1980.

**Network Names**

All the EtherNet hosts (including Altos) have been given names. The list is stored on <System>Pup-Network.txt. Names correspond to mountains, valleys, lakes, and wilderness areas within California. The name of your Alto should appear in one of the operating system's header lines. Locations are subject to occasional changes.

Host Computer Names

Yolo	MJH 460	(ALTO/Terminal room)
Inyo	MJH 460	
Yuba	MJH 460	
Mono	MJH 460	
Diego	MJH 225	(HPP terminal room)
Mojave	MJH 408	
Yosemite	MJH 408	
Marin	MJH 450	(Office Suite)
Monterey	MJH 450	
Madera	MJH 433	(SUMEX)
Trinity	MJH 433	(Music room, for debugging VAX interface)
Toro	MJH 416	(Student jungle)
Napa	MJH 416	
Almanor	MJH 328	(NA terminal room)
Palomar	MJH 020	(Machine room, for debugging SAIL interface)
Lassen, Stanford-IFS, IFS	MJH 020	(File Server, in machine room)
Tahoe, Stanford-Dover, Dover	MJH 221	(Dover printer, in Xerox room)
Shasta, VAX, VAX1, VLS11	MJH 433	(Center for Integrated Systems computer room)
VAX2, VLS12	MJH 433	
VAX3, ISL-VAX	Durand	(Information Systems Laboratory)
Sail, SU-AI	MJH 020	(KL-10 in machine room)
Score	MJH 020	(DEC 2060 in machine room)
HF, 11/45	MJH 029	(Robotics group PDP-11/45)