

information or would like to obtain the user guides, please contact the librarians at the Main Library in Garching (esolib@eso.org on the Internet).

1. How to Access the ESO Library Information System

The Library Information System is installed on ESO's libhost computer. From within ESO, you can reach the machine by using one of two different logins:

- rlogin -l library libhost (defaults refer to Main Library, therefore it is the recommended login for users in Garching) or
- rlogin -l lslib libhost (defaults refer to La Silla Library, recommended for users in Chile).

X-terminal users from within ESO will find it convenient to bring up a window with the library system by simply pressing the left mouse button and choosing the LIBRARY option from the root menu (defaults will refer to Main Library).

From outside ESO, you can telnet into the system:

- telnet libhost.hq.eso.org
login: library or login: lslib

Once you are connected, please specify the terminal type you are using by selecting from the list presented. Users of PCs probably will have to choose the vt100 terminal type.

2. The Library Catalogue

2.1 Which Library items can be found in the Catalogue?

The ESO Libraries Online Catalogue contains all Books, Journals, Standards, CD-ROMs, Diskettes, Microfiches, Video-Tapes, Slides, and Observatory Publications available in the ESO Libraries in Garching (Main), La Silla, and La Serena.

The database includes journal titles and the holdings of these journals that you will find in each of the three libraries, but does not refer to individual articles.

In addition, the inventory of the ESO Historical Archive (EHA), compiled by Prof. A. Blaauw can be searched. In future, also Preprints received in the ESO Libraries will be retrievable.

2.2. How to query the Catalogue

The software is easy to use and mainly self-explanatory. Every screen is divided into two parts: Above a dotted line, you find commands and options. You can move around in this area by using the TAB key and pressing RETURN or by typing the first letter of the option.

Below the line the information you retrieved is displayed. This might be a list of brief records or a record in full. To move around here, you usually need the arrow keys.

Once you have entered the Library Catalogue, you can specify if you want to query the catalogue by AUTHOR, TI-

TLE, OTHER COMBINATIONS, etc. or just by any WORD OR PHRASE, which is usually the most convenient choice, because it searches the whole database for the search term. This option is also recommended if you want to look up keywords. Use the Boolean Operators AND, OR, NOT, if required (Fig. 1).

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To pick a new button, first return to buttons by pressing TAB(s).
Type in the words you want to lookup below, then press ENTER, $ truncates
HELP      G O B A C K      S T A R T O V E R      P R I N T
CLEAR     T Y P E          O P T I O N S

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                                C A T A L O G   L O O K U P   B Y   W O R D S   O R   P H R A S E

words or phrase  =====>VLT OR VERY LARGE TELESCOPE

                                library  =====>MAIN

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Figure 1: Catalogue Lookup by any Word or Phrase.

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To pick a new button, press TAB or button's first letter.
To see more about an item, enter its number, then press RETURN or ENTER.
HELP      G O B A C K      S T A R T O V E R      P R I N T
VIEW: $   J U M P   T O :
FORWARD   B A C K W A R D      M A R K :

-----
                                Y O U   F O U N D   1 6   I T E M S   I N   T H E   C A T A L O G

8) Telescope and observatory interfaces for      copies: 1 (MANUALS)
   Cullum, M.J.                                  at: MAIN & others
   A 4-2 / 149                                   pubyear: 1990

9) ESO's Very Large Telescope : 2 : 1986        copies: 1 (T.BEDDING)
   D'Odorico, S.                                at: MAIN & others
   A 4-2 / 112                                   pubyear: 1986

10) Very Large Telescopes, their                copies: 1 (MANUALS)
    Ulrich, M.H.                                at: MAIN & others
    A 4-2 / 90                                   pubyear: 1984

11) ESO VLT instrumentation plan                copies: 1 (SHELVES)
    European Southern Observatory (ESO)         at: MAIN & others
    A 4-2 / 131                                   pubyear: 1989

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Figure 2: List of Search Results.

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To pick a new button, press TAB or button's first letter.
To view the next item(s) you found, press RETURN or ENTER now.
HELP      G O B A C K      S T A R T O V E R      P R I N T
REQUEST:  L I K E          O P T I O N S
FORWARD   B A C K W A R D      M A R K

-----
                                T H I S   I S   R E C O R D   N U M B E R   8   O F   T H E   1 6   Y O U   F O U N D   I N   T H E   C A T A L O G
A 4-2 / 149

                                ESO class mark: A 4-2 / 149
                                Title: Telescope and observatory interfaces for VLT
                                      instrumentation
                                Publisher: Garching: European Southern Observatory, 1990
Physical description: 64 p.
                                Series: ESO Very Large Telescope Project
                                Series vol no: Doc.no: IS-T1E3-1 (1)
                                Editor: Cullum, M.J.

                                (Displaying 1 of 2 volumes)

                                MAIN CALL NUMBER          COPY MATERIAL          LOCATION
                                1) A 4-2 / 149              1 BOOK                 MANUALS

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Figure 3: Record 8 of 16 retrieved is displayed in full.

Please note that the dollar-sign (\$) must be used to truncate search terms!

On all Catalogue Look up screens, an additional line allows you to specify whether you want to limit your search to items in one particular library (MAIN, LA-SILLA, etc.) or whether you want to query the whole catalogue (Library: ALL).

As a result of your search, usually a list of brief records will be displayed. You will be informed about the exact number of items you retrieved. For each item, the author, title and class mark as well as the publication year and the current location are shown (Fig. 2).

If you want to see more details of one particular record, place the cursor on this record and type VIEW. The full record will be displayed. If it doesn't fit on one screen, press the FORWARD button that takes you to the second page where you will also be informed about the Class Mark (Call Number), the format (Material), how many copies are available and where they can be found (Location). In case an item is on loan, the name of the borrower is displayed (Fig. 3).

If you are not satisfied with your search results, use the GOBACK or the START OVER button and refine your query.

2.3 Marking items

The MARK function is a preparation for printing or mailing search results by e-mail. In order to MARK items, TAB to the MARK button and enter the list number of the item you want to mark. Confirm by pressing RETURN. An asterisk between the list number and the title tells you that the item has been marked. If you want to remove the print mark, just go through exactly the same procedure again or, in case the cursor is still placed on the item you want to unmark, simply press RETURN again.

On every new screen, TAB again to the MARK button and proceed as described. Unicorn will refer to your list of MARKed items if you enter the PRINT command.

2.4 Mailing search results by e-mail

For further usage of your search results, you may want to send the results by e-mail to your own account. You can do so by using the PRINT command button. On the PRINT screen, choose the PRINT SEARCH RESULTS option. If you MARKed particular items on the Lookup screen before, the system will default to the selected records and offer to print them. You can add or delete record numbers or just mail the whole list by typing ALL in this field. TAB to the

EMAIL ADDRESS line and insert the address. Confirm by pressing RETURN (Fig. 4).

2.5 Exiting from the Library Catalogue

If you wish to exit from the Library

Catalogue, press the STARTOVER button several times, until you reach the PUBLIC ACCESS CHOICES screen. From here, you may move into other areas than the Library Catalogue. e.g. the Information Desk.

If you want to leave the system completely, press STARTOVER again. You

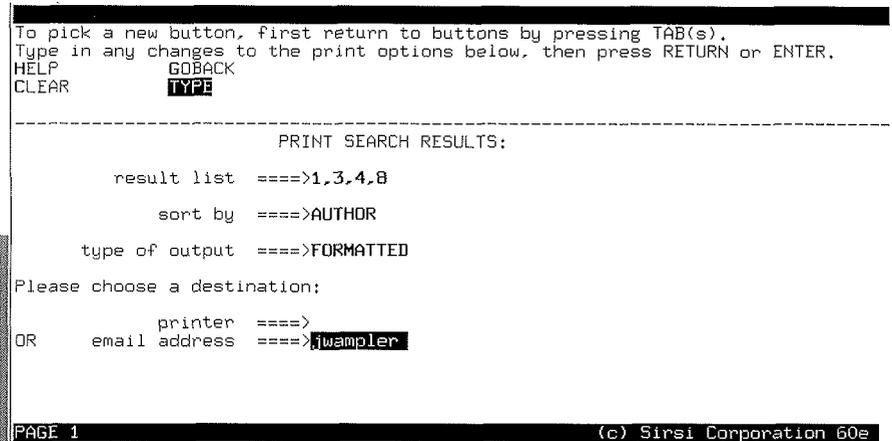


Figure 4: Mailing Search Results by E-Mail.

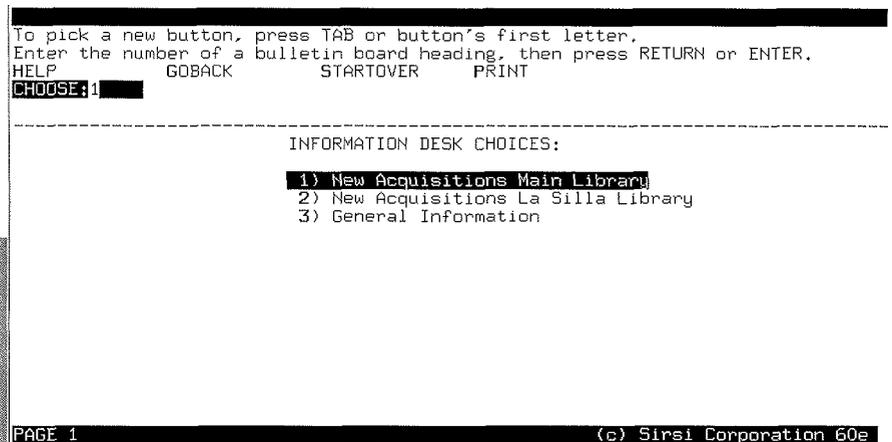


Figure 5: Options on the Information Desk.

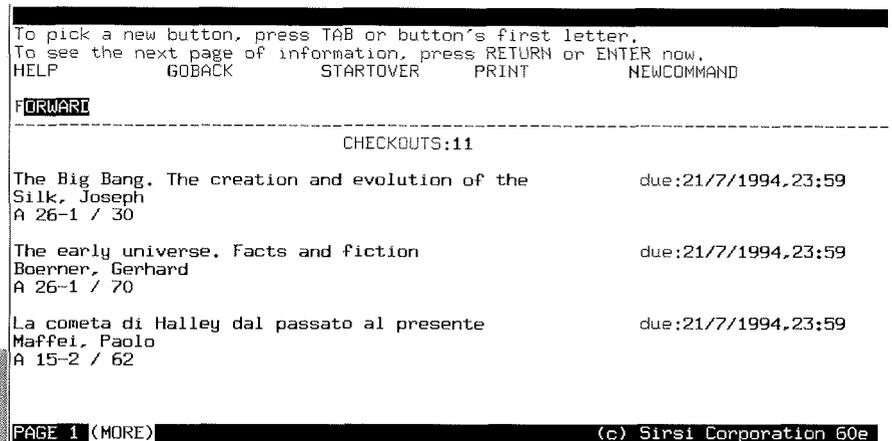


Figure 6: User viewing his Checkouts.

will be returned to the Welcoming screen. Choose END, and you exit from the system.

3. Borrowing Items

In order to charge items out, you must have an account with the library. Please contact the librarians if you wish to get one.

Borrowing items is only possible at the public terminals in the libraries. Press the function key which is reserved for CHARGING items, insert your user ID and Personal Identification Number (PIN), and confirm by pressing RETURN.

You will be asked for the number of the item you want to charge out. On the inside cover page of books you will find a barcode label, showing the item number. Use the barcode reader which is attached to the terminal to read the barcode number in.

4. Information Desk

The Information Desk provides access to various lists of catalogue items and library memos. For example, new acquisitions in the ESO Libraries will be announced here for one month. The buttons known already from the Library Catalogue are available here, too. You may browse through the list or view items in full, as you wish (Fig. 5).

5. User Status

Via the option USER STATUS on the Public Access Choices screen, users may view their own circulation status, i.e. how many and which items they have charged out. This option is available from every terminal.

On the User Status screen, the system prompts you to type in your user ID. Use the tabulator key to TAB to the PIN field and insert your Personal Identification Number. Press RETURN to confirm both numbers. For questions regarding User ID and PIN please contact the librarians.

You may select from various options regarding the User Status, of which at present only the CHECKOUTS are of interest to users of the ESO Libraries. The top of the information area shows

the total number of items checked out. Below, a list of your currently charged out library items is displayed. If the checkouts don't fit on one screen, the FORWARD button appears and is pre-selected. You also see the note MORE on the bottom line of the screen.

Press the GOBACK button to return to the previous screen. Type STARTOVER or GOBACK again to return to the Welcoming screen (Fig. 6).

6. Exiting from the System

You leave the Library Information System by pressing the STARTOVER button several times until you reach the Welcoming Screen. Press END to leave the system.

7. One Look Ahead

The availability of an online library catalogue is the necessary basis for all further improvements and projects related to bibliographic data management at the ESO Libraries. The library information system can thus easily be integrated into the activities of the recently established Data Management Division.

For the near future, the following enhancements, which will be carried out by the Observation Support and Data Handling Group of the Data Management Division, are planned or considered:

- *Preprint Database*

At present, preprints received in the ESO Libraries can be found via STARCAT. In order to provide users with an integrated catalogue, a data transfer utility will be set up, and all library items including preprints will be retrievable through the Library Information System.

- *IAU Astronomy Thesaurus*

The first version of the IAU Astronomy Thesaurus, compiled by R.M. Shobbrook & R.R. Shobbrook, has just been released. The thesaurus is available in machine-readable form. Inclusion of the thesaurus into the Library System will allow users to search for terms within a controlled thesaurus structure, both hierarchical and cross-linked via related terms.

- *Mosaic User Interface*

The ESO Libraries Online Catalogue could be accessible via the Mosaic user interface in order to facilitate access to the holdings of all ESO Libraries. Such a function would be implemented via a simple search and retrieve interface.

- *Optical Character Recognition (OCR) Interface*

An OCR station located in the library could provide both general users and librarians with a tool to scan data and text. For example, the Library System could be routinely fed in this way with additional information such as references to single publications within proceedings (contents tables).

8. Acknowledgements

We would like to take this opportunity to thank all staff at ESO who supported the computerization of the Libraries, especially Miguel Albrecht, our "Maestro", who solved so many of our problems, as well as Pam Bristow for proof-reading several texts and Ed Janssen for designing the User Guides. We are also very thankful to our contractors in Garching and on La Silla, Uwe Glas, Carolina Noreña, and Lucia Montes; we wouldn't have been so quick without their enthusiasm and energy.

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