

Reference Manual No 1

See Aug 86  
version on  
file for  
details of  
"MANUAL"  
Appendix A.

CSIRONET PUBLICATIONS CATALOG

February 1987

CSIRONET

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CSIRONET

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## REVISION HISTORY

Version	Date	Section	Description
1.6	18-FEB-87	All Fig.1 1.1 2 4.3 5 App A	Cybarite changed to Cnopsis Old Figure 1 replaced by Table 1 Table 1-1 removed Former Table 2-1 removed Phasing out of Technical Reports Rewritten Withdrawn
1.5	18-AUG-86	All	Complete revision
1.4	25-JUN-86	5.5	Documentation costs revised
1.3	12-FEB-86	All	Online manual versions of CSIRONET user documentation withdrawn
1.2	19-DEC-85	2.1,A 3.3,B C	Users Manual Edition 2 withdrawn CNOPSIS, MANUAL on NOS Withdrawn (Recommended SCOPE manuals)
1.1	01-AUG-85	D	Withdrawn. See UM4, Section 2.3
1.0	01-MAY-85	All	Complete revision of previous 'CSIRONET Publications Guide' (Services Note No 6)

## PREFACE

This Manual describes all Publications provided by CSIRONET. These range from non-technical publications, like the Annual Report, to current news bulletins and the main user documentation series which are described in Chapter 2.

This Manual also tells you how to obtain all these documents; this is described in Chapter 5.

## DISTRIBUTION

This document is available as line-printer or laser printer output, as printed hardcopy and on microfiche. See Chapter 5 for details of how to obtain CSIRONET documentation.

## ACKNOWLEDGEMENTS

This Manual is produced by staff members of the CSIRONET Documentation Section.

## COMMENTS WELCOME

Comments on this documentation are welcome. Send them to

Manager  
Documentation Section  
CSIRONET  
GPO Box 1800  
CANBERRA ACT 2601

or send a \*MAIL message to alias DOC (see IG2, 'Introduction to the Network', Chapter 6 for details on how to use the Electronic Mail System, \*MAIL).

Table 1. Guide to CSIRONET Documentation

Category of user	Relevant documents
Intending Users	1. Obtain IG1 'CSIRONET Services' from the Publications Assistant
New Users	1. Obtain elementary reference set of documentation:  RM1 'CSIRONET Publications Catalog' UM1 'Introduction to CSIRONET' IG2 'Introduction to the Network' UM2 'Network Users Manual' UMX 'Index to CSIRONET User Documentation'  2. Select host service.
Cyber 205 Users	1. Obtain the following documentation:  IG3 'Fortran Programming on the Cyber 205' UM3 'VSOS Users Manual' SN3 'Cyber 205 VSOS System Services'
Cyber 840, Cyber 845 Users	1. Obtain the following documents:  IG4 'Introduction to NOS' UM4 'NOS Users Manual' UM5 'NOS Utilities and Libraries' SN4 'NOS System Services'
Facom OSIV/F4 Users	1. Obtain the following documentation:  IG6 'Introduction to OSIV/F4' UM6 'OSIV/F4 Users Manual' SN6 'OSIV/F4 System Services'
Application software users	1. Obtain the following documentation:  RM20 'Applications Software Directory'

## 1 INTRODUCTION

CSIRONET is an autonomous agency within CSIRO. It provides and develops an Australia-wide computer and communications network for CSIRO, state and federal government, tertiary educational bodies and industry. CSIRONET provides extensive general-purpose and scientific computing facilities, along with a range of specialised services and peripherals not readily available in Australia. The service is operated on a full cost-recovery basis.

A principle objective of CSIRONET is to provide users with accurate and high quality documentation to enable efficient and productive usage of the CSIRONET computing facility.

Three main types of documentation are available to help you use CSIRONET:

- \* CSIRONET publications
- \* Vendors' manuals
- \* Online Help

Table 1 on the previous page summarises the documents you will need to obtain.

Responsibility for all CSIRONET publications lies with a professionally staffed Documentation Section, whose major task is to supply you with informative educational guides for all aspects of CSIRONET services.

### 1.1 CSIRONET Publications

CSIRONET issues a variety of publications to provide accurate and up-to-date documentation of its services and to keep you well-informed of changes and new features. The principal classes of CSIRONET publications are:

#### User Documentation

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User documentation consists of four series of publications which are described in Chapter 2.

All these publications are available to CSIRONET users. Further details on ordering procedures, print styles, binding and costs etc are described in Chapter 5 of this manual.



News Publications  
-----

The most important news publications are:

CSIRONET News (quarterly magazine)  
CSIRONET Technical Update (quarterly bulletin)  
Cnopsis (weekly bulletin)  
NOSNEWS and CYVNEWS (online)

These news publications are described in Chapter 3.

Technical Reports  
-----

Technical Reports are of specialist interest. Support for these publications is being phased out (see Chapter 4).

Non-technical  
-----

The Annual Report describes CSIRONET's aims, achievements and financial status. Other brochures are available to members of the public describing CSIRONET's services and products. Contact the Publications Assistant (see Section 5.5) to obtain these publications.

## 1.2 Vendors' Manuals

CSIRONET user documentation provides a functional view of the system and includes detailed descriptions of aspects and routines unique to CSIRONET. You will also need to consult vendors' manuals describing:

- \* operating system(s) and utilities
- \* programming languages and compilers
- \* third-party applications software

Vendors' manuals are neither published nor distributed by CSIRONET.

Recommended computer manufacturers' manuals for each CSIRONET host are generally listed in the corresponding volume of the CSIRONET Users Manual, together with details on how to obtain them:

- Cyber 205 (VSOS) - see CSIRONET Users Manual Volume 3,  
'VSOS Users Manual' (UM3).
- Cyber 840 or 845 (NOS) - see CSIRONET Users Manual Volume 4,  
'NOS Users Manual' (UM4).
- Facom M180 or M380 (OSIV/F4) - see CSIRONET Users Manual Volume 6,  
'OSIV/F4 Users Manual' (UM6).

Information on vendors' manuals for applications software packages are given in CSIRONET Reference Manual No 20, 'Applications Software Directory' (RM20).

### 1.3 Online Help

A variety of online help facilities are available on CSIRONET hosts. These help facilities allow you to display information at your terminal during an interactive session. Online help facilities for each major host are documented in the corresponding volume of the CSIRONET Users Manual Series.

The main online help facilities are:

- |       |   |
|-------|---|
| HELP  | Most host operating systems have a HELP command for system commands.  |
| NOTES | Software notes available on NOS and OSIV/F4 host services.  |
| OLM   | Some Control Data Corporation (CDC) documentation is available under NOS in online manual form. See CSIRONET Users Manual Volume 4, 'NOS Users Manual' (UM4). |

CSIRONET user documentation is no longer available online due to lack of usage.

## 2 CSIRONET USER DOCUMENTATION

This Chapter briefly describes each of the four user documentation series and provides a catalog of documents available in these series. The series consists of:

- \* Introductory Guides
- \* Users Manuals
- \* Reference Manuals
- \* Service Notes

All publications may be ordered directly via the CSIRONET network, using procedures outlined in Chapter 5 or indirectly by contacting the Publications Assistant at CSIRONET.

The documents can be produced as:

- \* lineprinter quality copy
- \* laser printer quality copy
- \* microfiche

Further information on ordering procedures is described in Chapter 5.5 and the approximate costs of obtaining documentation is given in Section 5.6.

Note:

- (1) The information in Tables 2-1 to 2-4 under the headings 'No. of Pages', 'Microfiche' and 'PUB' is provided to assist users ordering documentation.
- (2) To save you the expense of obtaining a new manual every time it is revised, revisions and supplements are provided. This only happens for documents larger than about 100 pages. If the revisions are extensive, the entire manual is reissued (check CNOPSIS, the weekly awareness bulletin, for revised and reissued documentation).

### Revisions

-----  
A Revision is indicated in Tables 2-1 to 2-4 by an entry of the form:

UM4R UM4 changed pages (5/86 -> 6/86)

The revision contains the pages of the Manual which changed between the indicated dates. These pages are incorporated in the Manual. If you do not already have a copy of the Manual, only order the Manual. If you already have a copy of the Manual only order the Revision to update your copy.

#### Supplements

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A Supplement is indicated in Tables 2-1 to 2-4 by entries of the form:

UM4A	UM4 Supplement 13-AUG-86
UM4B	UM4 Supplement 11-SEP-86

Supplements contain material which is not in the current version of the Manual. You should order Supplements in addition to the Manual.

## 2.1 Introductory Guides Series

Introductory Guides (IG) are brief introductions to each major operating system, common service and in-house package. They also provide introductions to commercial packages installed on CSIRONET, to explain the CSIRONET-specific details and provide, in some cases, sufficient information to enable the user to use the package.

The IG series is numbered to correspond to the Users Manual (UM) series. For example, IG4 and UM4 cover the NOS operating system; IG6 and UM6 cover OSIV/F4, and so on.

Table 2-1 CSIRONET Introductory Guides

Serial No.	Title	No.of Pages	Micro fiche	PUB	Date
IG1	CSIRONET Services	-	-	IG1X	4/86
IG2	Introduction to the Network	91	UDOC	IG2X	7/86
IG3	Fortran Programming on the Cyber 205	40	UDOC	IG3X	1/86
IG4	Introduction to NOS	199	UDOC	IG4X	6/86
IG5	(not issued)				
IG6	Introduction to OSIV/F4	117	UDOC	IG6X	7/86
IG20	Introduction to UPDATE	37	UDOC	-	6/86
IG23	Introduction to VMS Hosts on CSIRONET	62	UDOC	-	7/86
IG35	Introduction to XICS (IG35: linepr, IXIC: typeset)	48	UDOC	IXIC	9/86
IG3R	IG3 changed pages ( 4/85-> 1/86)	9	-	-	1/86
IG4R	IG4 changed pages ( 5/86-> 6/86)	5	-	-	6/86

## 2.2 Users Manual Series

The CSIRONET Users Manual Series is the main reference for users of CSIRONET. Its chief purpose is to describe the unique structure of the CSIRONET networking system, the products and services available via the network and the major aspects of operating various host computers on the CSIRONET network.

Volume 1 provides an introductory overview and Volume 2 describes the communications network. Later volumes cover different hosts and operating systems and other major features.

Table 2-2 CSIRONET Users Manual

Serial No.	Title	No.of Pages	Micro fiche	PUB	Date
UM1	Introduction to CSIRONET	126	UDOC	UM1X	2/87
UM2	Network Users Manual	285	UDOC	UM2X	7/86
UM3	VSOS Users Manual	130	UDOC	UM3X	5/86
UM4	NOS Users Manual	198	UDOC	UM4X	6/86
UM5	NOS Utilities and Libraries	105	UDOC	UM5X	5/86
UM6	OSIV/F4 Users Manual	213	UDOC	UM6X	7/86
UM7	VM/CMS Users Manual	101	UDOC	UM7X	1/86
UM8	VAX/VMS Users Manual	63	UDOC	UM8X	7/86
UMX	Index to CSIRONET User Documentation	146	UDOC	UMXX	8/86
UM2R	UM2 changed pages ( 2/86-> 7/86)	105	-	-	7/86
UM4A	UM4 Supplement 13-AUG-86	6	-	-	8/86
UM4R	UM4 changed pages ( 5/86-> 6/86)	13	-	-	6/86
UM6R	UM6 changed pages ( 1/86-> 7/86)	127	-	-	7/86
UM7R	UM7 changed pages ( 4/85-> 1/86)	14	-	-	1/86

### 2.3 Reference Manuals

Reference Manuals are technical documents, intended to contain everything you need to know about using certain packages or subsystems supported by CSIRONET. Some of these packages originate outside CSIRONET but have no reference documentation available commercially from the suppliers. CSIRONET Reference Manuals are listed in Table 2-3.

Some Reference Manuals are less up-to-date and complete than others. Those marked with an asterisk (\*) in Table 2-3 may be out of date, misleading and/or incorrect. Some will be revised as resources permit; some describe software which will eventually be discontinued.

### 2.4 Services Notes

Services Notes provide policy information on the services offered by CSIRONET. They are of interest to:

- \* administrative staff of user organizations (managers, accountants)
- \* Group Control Officers
- \* persons ordering and installing hardware for user groups.

### 2.5 Computing Notes

This series has been discontinued. Table 2-5 lists what has happened to the information previously contained in each Computing Note.



Table 2-3 CSIRONET Reference Manuals

Serial No.	Title	No.of Pages	Micro fiche	PUB	Date
RM1	CSIRONET Publications Catalog		UDOC	RM1X	2/87
RM2	*INFOL - A Data Storage and Retrieval System	61	UDOC	-	5/82
RM3	*CSIRONET Network Operations Reference Manual	204	-	-	9/82
RM4	*MNF Users Manual	49	UDOC	-	5/82
RM5	*Software Tools and Utilities - DIFF, EVAL and TOOLS	36	UDOC	-	3/86
RM6	*TAXON Users Manual	245	TAXN	-	5/86
RM7	*SOCK Users Manual	32	UDOC	-	5/82
RM8	(Not issued)				
RM9	*Graphisto Users Manual	62	GRAF	GRAP	7/83
RM15	PUFF - The System for Registering CSIRONET Users	51	UDOC	-	5/86
RM16	*ORSER - Picture Software	-	ORSR	-	2/80
RM17	TITLZ - Microfiche Titling Utility	21	UDOC	-	2/86
RM18	GRS Users Manual	32	UDOC	-	7/83
RM19	COLOURMAP Users Guide	-	-	CMAF	4/86
RM20	Applications Software Directory	103	UDOC	-	5/85
RM21	The M7 Macro Processor	25	UDOC		6/86
RM22	*M77 - A Guide	53	UDOC	-	10/82
RM23	CSIRONET VAX/VMS and RSX-11M File Transfer Facilities	53	UDOC	-	7/86
RM24	Terabit File Store Users Manual	62	UDOC	-	10/86
RM25	Micronode Reference Manual	83	UDOC	-	2/87
RM26	Programmers Toolkit	238	TKIT	RM26	8/86
RM27	ED Reference Manual	117	UDOC	-	9/86
RM28	Graphics Users Manual	200	UDOC	RM28	2/87
RM29	HP1000 RTE-6/VM File Transfer Facilities	30	UDOC	-	5/85
RM30	FORLIB	16	UDOC		12/85
RM31	MOVIE.BYU	116	UDOC	RM31	11/85
RM32	SLIP Users Manual	-	-	SLPU	4/85
RM33	DISIMP Programmers Manual	-	-	DISI	4/85
RM34	IMAGED Users Manual	-	-	IMAG	4/85
RM35	Using XICS and FORMAT on CSIRONET	62	UDOC	-	2/86
RM35R	RM35 changed pages (10/85-> 2/86)	9	-	-	2/86
RM36	SLIP Programmers Manual	-	-	SLPP	4/85
RM37	IMAGED/SLIP/DISIMP System	-	-	ISDM	4/85
RM38	A Puff Reporting System in FOCUS	55	UDOC	-	12/86
RM39	Using the NCR 5335 COM	61	UDOC	-	8/86

Serial No.	Title	No.of Pages	Micro fiche	PUB	Date
RM40	Using the Xerox 9700	-	-	RM40	4/86
RM41	(Not issued)				
RM42	CNFTP - CSIRONET File Transfer Protocol Version 1.7	33	UDOC	-	2/86
RM43	Mapping Census Data on CSIRONET	97	UDOC	-	8/86
RM44	DOCMAC - A Set of M7 Macros for Producing Standard Documentation	27	UDOC		6/86
RM45	UNIX CNFX Programmers Manual (Version 3.3)	-	-	-	4/86
RM46	NGEN CNFX Version 1.1 Users Manual	-	-	-	5/86
RM47	(Not issued)				
RM48	(Not issued)				
RM49	(Not issued)				
RM50	JUSTIFY	24	UDOC	-	5/86
RM51	EPL- ED Programming Language	51	UDOC	-	8/86
RM52F	The Imprint-10 Laser Printer	25	UDOC	RM52	12/86
RM53	CSIRONET *MAIL Users Directory	67	UDOC	-	10/86
RM54	Using the III COMP 80	22	UDOC	-	8/86

Table 2-4 CSIRONET Services Notes

Serial No.	Title	No.of Pages	Micro fiche	PUB	Date
SN1	Accounting, Computing Charges and Crediting	77	UDOC	SN1X	6/86
SN3	Cyber 205 VSOS System Services	16	UDOC	-	5/85
SN4	NOS System Services	20	UDOC	-	4/85
SN5	List of Approved Purchases - Peripherals	29	UDOC	-	10/83
SN6	OSIV/F4 System Services	24	UDOC	-	4/85
SN7	VM/CMS Services	12	UDOC	-	4/85
SN8	List of Approved Purchases - Consumables	11	UDOC	-	5/81
SN9	Interactive Terminal Installation	8	UDOC	-	5/78
SN17	Cabling for CSIRONET Micronodes	42	UDOC	-	8/85
SN21	List of Approved Purchases - Terminals	36	UDOC	-	5/85

Table 2-5 Replacements for CSIRONET Computing Notes

Serial No	Title	New Serial No*
CN1	TED Box Console Programs	Withdrawn
CN2	Program Design	Withdrawn
CN3	Justify Test Formatting Program	Replaced by RM50
CN4	File Storage	Withdrawn
CN5	Document Entry for Beginners	Replaced by IG27 (in prep)
CN6	STACKLIB - Vector Functions Library	Withdrawn
CN7	ED - The Cyber-76 Editor	Replaced by RM27
CN8	Using the COM	Replaced RM54
CN9	Debugging Programs	Withdrawn
CN10	Introduction to Using the Cyber 76	Withdrawn
CN11	SIMULA	See DOCORD: 'SIML'
CN12	Character Handling Routines	Withdrawn
CN13	SNOBOL4 on the Cyber 76	Withdrawn
CN14	Control Statement Cracking Routines	Withdrawn
CN15	Introducing the COM	Replaced by RM54
CN16	Printing Address Labels	Withdrawn
CN17	Fortran Compilation on the Cyber 76	Withdrawn
CN18	CONTOUR	Included in RM28
CN19	DEVIL - A Typesetting Package	Withdrawn
CN20	Introducing the Cyber 76 Interactive System	Withdrawn
CN21	ED Library Files	Replaced by RM27
CN22	Introduction to FORDATA	Withdrawn
CN23	Connected Input/Output	Withdrawn
CN24	Fortran 77	Withdrawn
CN25	Introduction to Update	Replaced by IG20
CN26	Convert Fortran Text	Replaced by TR28
CN27	M6 and M7 Macros Processor	Replaced by RM21
CN28	Program for Printing Sticky Labels	Withdrawn
CN29	Introduction to COMTEXT	Replaced by IG35
CN30	INTERP	Withdrawn
CN31	EPL - A High Level ED Programming Language	Replaced by RM51
CN32	Not issued	
CN33	FORLIB - A Library of Fortran Utilities	Replaced by RM30
CN34	Using NOS on the CSIRONET Cyber 845	Replaced by IG4 & UM4
CN35	Using the OSIV/F4 Service on the Facom M180	Replaced by IG6 & UM6
CN36	FORDATA Table Generator Interface	See DOCORD: 'FORT'

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Serial No	Title	New Serial No*
<hr/>		
CN37	Census Inquiry and Processing System	Replaced by RM43
CN38	Floppy Disk File Transcription	Included in UM2
CN39	FORDATA Users Guide	See DOCORD: 'FORD'
CN40	PRESIM - A SIMULA Pre-processor	Withdrawn
CN41	VM/CMS on CSIRONET	Replaced by UM7
CN42	POLISH - Fortran Source Reformatter	Withdrawn
CN43	Introduction to the Use of CAPTAIN	See DOCORD: 'INCA'
CN44	A General Purpose File Maintenance Utility	Withdrawn
CN45	GENSTAT for Beginners	See DOCORD: 'GEBE'
	GENSTAT Examples (fiche)	See DOCORD: 'GENX'
CN46	Using MIDAS via CSIRONET	Included in UM2
CN47	DOCMAC - A set of M6 Macros for Producing Standard Documentation	Replaced by RM44
CN48	Using the CSIRONET to ANF-10 Interconnection	Included in UM2
CN49	EVAL - A Fortran-like Expression Evaluator	Included in RM5
CN50	DIFF - A File Comparison Utility	Included in RM5
CN51	Software Tools User Manual	Included in RM5
CN52	1981 Census Data on CSIRONET	Included in RM43
CN53	Micronodes	Included in UM2
CN54	CPY - File Copy Utility for NOS on the Cyber 835	Replaced by IG4 & UM4
CN55	The IMPRINT-10 Laser Printer - An Introduction	Replaced by RM52
CN56	Using the CSIRONET Cyber 205	Replaced by UM3
CN57	Tape Management Software for the Facom M190	Included in UM6
CN58	LIBMAN - Utility for NOS Library Management	Included in IG4 & UM4
CN59	TITLZ - Microfiche Titling Utility	Replaced by RM17
CN60	SURFACE II Graphics System	Included in RM28

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\*NOTES: Documents marked 'Withdrawn' related to hosts or software which have been withdrawn.

Documents marked 'See DOCORD' have been transferred to Table 4-1 and can now be ordered via DOCORD using the publication identifier given (see Section 5.3).

### 3 NEWS PUBLICATIONS

News publications keep you informed of new features and facilities, warn of system changes or faults, give you information on plans for future developments, etc.

#### 3.1 CSIRONET News

CSIRONET News is a quarterly magazine, which is available at no charge. It provides a non-technical overview of the latest in CSIRONET's services and products, customer stories and policy announcements. Reference is made to more detailed information for those who want it. When you order CSIRONET News you automatically receive a copy of Technical Update (see below). You order CSIRONET News using DOCORD (see Section 5.3); the relevant publication identifier is NEWL, or contact the Publications Assistant, CSIRONET Canberra.

#### 3.2 Technical Update

Technical Update is a short quarterly news bulletin which is available at no charge to CSIRONET customers and others with a strong interest in computing. It provides brief technical details on software and hardware products, to make it easier and more productive to use CSIRONET. Reference is made to the appropriate Manuals for more details. Anyone on the mailing list for CSIRONET News will receive copies of Technical Update automatically.

### 3.3 Cnopsis

Cnopsis (pronounced 'synopsis') is a weekly awareness bulletin published on Wednesdays. Cnopsis gives operational information, announces new system features, and promulgates programming and system advice. It is, in fact, the main 'awareness' publication put out by CSIRONET. We urge you to make a habit of reading Cnopsis regularly.

Four copies of Cnopsis are printed at all CSIRONET nodes with lineprinters and copies are also sent to Vax and Hewlett Packard hosts which are connected to CSIRONET. You can request more or fewer copies by contacting the Publication Assistant on (062) 433 248 or via \*MAIL alias PUBS.

To display the latest issue of Cnopsis on your terminal, log on to any major CSIRONET host and type:

#### CNOPSIS

For the NOS hosts, you are provided with an interactive system that allows you to read the latest and previous copies of Cnopsis.

For the OSIV/F4 hosts, the latest copy of Cnopsis is listed on your terminal.

Suggested items for Cnopsis are always welcome and should be sent to the Documentation Section, CSIRONET, Canberra, or via \*MAIL to alias DOC.

### 3.4 NOSFLASH

A NOSFLASH is a system message used, as necessary, for urgent system announcements. These announcements are automatically conveyed to you as you use the Cyber 840 and Cyber 845 hosts.

### 3.5 NOSNEWS and CYVNEWS

NOSNEWS and CYVNEWS are online manuals which are intended to keep you abreast of changes and developments to the CSIRONET NOS service on the Cyber 840 and 845 and the VSOS service on the Cyber 205. Both of these online manuals are installed on the NOS hosts. To read them, log onto NOS and type:

NOSNEWS  
or       CYVNEWS

which opens the corresponding online manual and displays a summary of the options available.

To list the directory of NOSNEWS topics, enter:

D or DIR?

Entries are sorted by the date of last update with the most recent topics at the top. Each entry is identified by a 1-7 character name.

NOSNEWS topics may be viewed in three ways:

- (1) by repeatedly pressing <enter> to read the NOSNEWS or CYVNEWS items from the most recent to the oldest.
- (2) by requesting a topic by its name followed by a question mark, eg PMSCHED? to read item named PMSCHED.

or

- (3) by typing DISI to go to the NOSNEWS index menus.

Relevant Cnopsis items relating to the NOS and VSOS services are also placed in NOSNEWS and CYVNEWS.



#### 4 OTHER PUBLICATIONS

##### 4.1 Applications Software Directory

CSIRONET Reference Manual No 20 'Applications Software Directory' (RM20) is a comprehensive catalogue of most of the software available on CSIRONET.

The purpose of this directory is to provide an overview of the software available. It includes:

- \* a brief description of the product
- \* operating systems on which it is available and the method of access
- \* supplier details
- \* references to more detailed documentation.

##### 4.2 Miscellaneous Printed Manuals

A variety of manuals is available:

- \* typeset manuals published by CSIRONET (eg CSIRONET News)
- \* printed versions of some user documentation in printed, bound form
- \* manuals supplied from outside CSIRONET for some software packages

The manuals listed in Table 4-1 may be ordered using DOCORD (see Section 5.3) or from the Publications Assistant (see Section 5.5).

Table 4-1 Printed Publications Available from CSIRONET.  
The latest version of this list may be read  
interactively using DOCORD (see Section 5.3).

Pub. Ident	Description	Date	Price (cents)
ABSC	COLLECTION DISTRICT SUMMARY FILE TECH. DETAILS	851202	0
ANRP	ANNUAL REPORT (1985/1986)	861231	0
CAPT	CAPTAIN USERS MANUAL (PRINTED VERSION)	810612	633
CMAP	COLOUR MAP USERS GUIDE (RM19)	860415	2000
CONX	CONNECT LEVEL 630	860811	5000
CSRD	CSIRONET RESEARCH & DEVELOPMENT 1984-1985	860228	0
DISI	DISIMP PROGRAMMERS MANUALS (RM33)	850403	2300
FONT	DIGITAL FONTS CATALOGUE (PRINTED VERSION)	830817	800
FORM	FORMAT REFERENCE MANUAL AND USERS GUIDE	851106	3600
GRAP	GRAPHISTO USERS MANUAL (RM9 - PRINTED)	810330	523
IG1X	CSIRONET SERVICES BROCHURE	850430	0
IG2X	INTRODUCTION TO THE NETWORK (LASER PRINTER COPY)	850822	950
IG3X	FORTRAN PROGRAMMING ON CYBER 205 (LASER COPY)	850410	550
IG4X	INTRODUCTION TO NOS (LASER PRINTER COPY)	860505	2460
IG6X	INTRODUCTION TO OSIV/F4 (LASER PRINTER COPY)	850414	1260
IXIC	INTRODUCTION TO XICS (IG35 - TYPESET VERSION)	860905	1000
IMAG	IMAGED USERS MANUAL (RM34)	850403	850
INCA	INTRODUCTION TO CAPTAIN (CN43 - PRINTED)	810609	433
ISDM	IMAGED/SLIP/DISIMP SYSTEM MANAGER MANUAL (RM37)	850403	700
NEWL	CSIRONET NEWS (DECEMBER) NO 191	861209	0
OSIW	PROCEEDINGS OF THE OSI WORKSHOP (PRINTED)	851218	2000
PSIM	FREEMAN AND BENYON - SEMI ARID SIMULATION MODEL	831121	1900
RM1X	CSIRONET PUBLICATIONS CATALOG (LASER PRINTER COPY)	870218	0
RM26	PROGRAMMERS TOOLKIT (LASER PRINTER COPY)	850409	2870
RM28	GRAPHICS USERS GUIDE (LASER PRINTER COPY)	870202	2450
RM40	USING THE XEROX 9700	860429	500
SDSP	SOFTWARE DEVELOPMENT STANDARDS MANUAL	830324	500
SIML	SIMULA (CN11)	860818	280
SLPP	SLIP PROGRAMMERS MANUAL (RM36)	850403	900
SLPU	SLIP USERS MANUAL (RM32)	850403	2500
SN1X	ACCOUNTING AND COMPUTING CHARGES (LASER COPY)	860415	990
TR25	OSI PROTOCOL - USING NPNS	860507	2200
TR27	COMPUTATIONAL FRAMEWORK (WITH COLOUR SLIDES)	860131	6000
T27W	COMPUTATIONAL FRAMEWORK (WITHOUT COLOUR SLIDES)	860131	4500
UMXX	INDEX TO CSIRONET USER DOCUMENTATION	860820	2260

Table 4-1 Continued

Pub. Ident	Description	Date	Price (cents)
UM1X	INTRODUCTION TO CSIRONET (LASER PRINTER COPY)	870211	1960
UM2X	NETWORK USERS MANUAL (LASER PRINTER COPY)	860219	3490
UM3X	VSOS USERS MANUAL (LASER PRINTER COPY)	860528	1630
UM4X	NOS USERS MANUAL (LASER PRINTER COPY)	860505	2450
UM5X	NOS UTILITIES AND LIBRARIES (LASER PRINTER COPY)	860505	1330
UM6X	OSIV/F4 USERS MANUAL (LASER PRINTER COPY)	851023	2660
UM7X	VM/CMS USERS MANUAL (LASER PRINTER COPY)	850430	1280
UM8X	VAX/VMS USERS MANUAL (LASER PRINTER COPY)	851118	810
VSOS	VSOS 2.2 DIFFERENCES DOCUMENT CDC 60460690 (A)	860521	270
XICS	XICS TYPESETTING PACKAGE MANUAL	850225	3000

## 4.3 Technical Reports

CSIRONET Technical Reports are limited-circulation documents due to their technical nature, and are not available on microfiche.

This series is currently being phased out. Some Technical Reports will continue to be maintained; these are indicated with an asterisks in the table below. Following the table is a list of contacts. Anyone interested in maintaining any of the other reports should contact the Publications Assistant on (062) 433 248 or via \*MAIL alias PUBS.

TR2*	Briggs, I., 'Satellite Picture Taking', Version 1.3, January 1982, 47pp.
TR3*	Mackenzie, H.G., 'Implementing a Relational Database System', June 1982, 75pp.
TR4	Ford, W.S., 'NFTP: The CSIRONET File Transfer Protocol', Version 1.5, April 1982, 30pp.
TR5**	Benyon, P.R., 'Simulation and Biotechnology - A General Discussion', May 1982, 8pp.
TR6	Nagorcka, B.N., Research into Morphogenesis: Reasons and Goals. August 1982, 10pp.
TR7	Harper, D.J., 'An Evaluation of Four Information Storage and Retrieval Packages', October 1982, 116pp.
TR8	Sands, P.J., 'DRISHTI - User's Manual', Edition 1.1, July 1984, 117pp.
TR9**	Benyon, P.R., 'Putting Figures into COMTEXT', January 1983, 38pp.
TR10	Nagorcka, B.N., R.E. Sinclair and D.P. Heath, 'ESYFEED (Easy Interactive Use of Feed Information Databases via a system of Feedings Standards): A Demonstration Version', March 1983, 33pp.
TR11*	Mackenzie, H.G., 'EXPERT SYSTEMS - A Case Study', January 1984, 63pp.
TR12*	Abel, D.J., 'FORMAP: A Mapping Database Utility', Version 1.0, July 1983, 41pp.

- TR13\* Abel, D.J., 'A B+-tree Structure for Large Quadtrees', July 1983. 30pp.
- TR14 Sands, P.J., 'TUBERS: A program to Simulate Development and Bulking in a Potato Crop', September 1983, 14pp.
- TR15 Havas, G., 'Joint Research and Development by Fujitsu and CSIRO', October 1983, 3pp.
- TR16 Ryan, D.M., 'IDM 500 Implementation', February 1984, 21pp.
- TR17\* Mackenzie, G.H., 'EMYCIN - User's Guide', May 1984, 18pp.
- TR18\* Mark, D.M. and D.J. Abel, 'Linear Quadtrees from Vector Representations: Polygon to Quadtree Conversion', December 1984, 26pp.
- TR19 Grimes, P., M. Dale and D. Prestwidge, 'An Annotated Bibliography of Nonbiological Applications of Numerical Classification', November 1984, 31pp.
- TR20 Dale, M.B., D.B. Prestwidge and M.F. Roberts, 'An Annotated Bibliography of Cladistics References', November 1984, 95pp.
- TR21 Johnson, C.H.J., 'Cyber 205 Arithmetic', June 1985, 17pp.
- TR22 Johnson, C.H.J., 'Matrix Arithmetic on the Cyber 205', February 1985, 18pp.
- TR23\* Abel, D.J. and J.L. Smith, 'CORGIS Trial Application I, Data Structures and Algorithms for Point Sets', February 1985, 57pp.
- TR24 Johnson, C.H.J., 'Construction of Codes for Vector Special Functions', July 1985, 18pp.
- TR25\*\*\* Bearman, M., 'Formal Specification of the Open Systems Interconnection Transport Protocol Class 2 Using NPNS', November 1985, 82pp plus 58 figures, \$22.
- TR26\* Robertson, P.K., 'Fast Perspective Views of Images Using One-Dimensional Operations', September 1985, 18pp.

- TR27\*\*\* Robertson, P.K., 'Colour Image Display: A Computational Framework Based on a Uniform Colour Space', September 1985, 219pp. \$60 incl. colour plates; \$45 without colour plates.
- TR28 Kinney, E., 'CFT - Convert Fortran Text', September 1979, 17pp. (This report will be incorporated into one of our standard documentation series.)

- \* Requests should be directed to:

Officer-in-Charge  
CSIRO Division of Information Technology  
GPO Box 1800  
CANBERRA ACT 2601  
(062) 433 381

- \*\* Requests should be directed to:

Dr P Benyon  
C/- CSIRO Division of Forest Research  
PO Box 4008  
QUEEN VICTORIA TERRACE ACT 2600  
(062) 818 283

- \*\*\* Available through the DOCORD utility (see Section 5.3).

## 5 OBTAINING CSIRONET PUBLICATIONS

### 5.1 Overview

Most of CSIRONET user documentation is held in a form suitable for printing on a variety of output devices. You therefore have the choice of sending copies of this documentation to:

- \* the Xerox 9700 laser printer (recommended)
- \* a line printer connected to a CSIRONET node
- \* the Imprint-10 laser printer
- \* the NCR 5335 microfiche camera

Section 5.6 compares the cost of using these printing devices.

CSIRONET has developed an interactive facility called DOCPRT which runs on NOS and OSIV/F4 hosts. It allows you to obtain copies of all Introductory Guides (except IG1), all Users Manuals, most of the Reference Manuals and all Services Notes. Section 5.2 shows you how to use DOCPRT.

Some of our documentation is only available as microfiche or in printed and bound form. Use the interactive utility called DOCORD described in Section 5.3 to obtain this documentation. DOCORD can also be used to place standing orders for some CSIRONET documentation so that, when revision occurs, you automatically get an updated manual sent to your home node. See Table 4-1 for the current list of documentation available via DOCORD.

## 5.2 DCPRT - Document Printing Utility

The interactive procedure, DCPRT, allows you to print copies of CSIRONET user documentation.

To use DCPRT, log on to any NOS or OSIV/F4 host and enter:

DCPRT

The procedure will prompt you for necessary information. If you do not understand what information to supply, type ? and you will receive more detailed help.

You also need to supply the serial number of the required document; these can be listed on the terminal while running DCPRT. Serial numbers are also listed in Tables 2-1 to 2-4. Documents which can be printed with DCPRT have a number (length in pages) in the column labelled 'No. of Pages'.

DCPRT prompts you for a CSIRONET node. If you have requested lineprinter output, make sure that the node you specify has a lineprinter which supports the 95 character ASCII graphic character set. If you request a laser printer or microfiche copy, it will be distributed as follows:

- \* If the node you specify has a collection box at CSIRONET Canberra, the output will be placed in this box for you to collect.
- \* If the node you specify is in the same city as a CSIRONET Regional Office, the output will be distributed via that Regional Office in the same manner as other specialised output (eg via pigeonhole, courier or post).
- \* Otherwise, the output will be posted to the specified node.



You can request the document be printed on:

- \* The Xerox 9700 laser printer, located in Canberra. This provides double-sided printing on A4 paper with coloured front and back covers. We recommend that you use this option.
- \* Any line printer attached to a CSIRONET node which supports the 95 character ASCII graphic character set (upper and lower case).
- \* The Imprint-10 laser printer at CSIRONET, Canberra. This provides single-sided, ink-jet quality printing on A4 paper using a typewriter-like font.
- \* The NCR 5335 microfiche camera at CSIRONET, Canberra. This provides a 48x reduction fiche with a heading containing Manual No, Name and Publication Date.

### 5.3 DOCORD - Document Ordering Utility

The DOCORD procedure is an interactive system used for ordering publications which are only available in printed and bound format, or microfiche. It is also used to request standing orders for some selected publications. Publications can be ordered and cancelled using this utility and you can use it to find out what manuals you have previously ordered.

The Introductory Guides and Users Manuals series are also available through DOCORD as well as DOCPRRT. These series are frequently revised and you can use DOCORD to place a standing order for them if you want to receive the revised manual automatically each time it is reissued.

To use DOCORD, log on to a NOS or OSIV/F4 host and enter:

DOCORD

The procedure will prompt you for necessary information. If you do not understand what information to supply, type ? in response to a question to obtain more detailed help.

You need to supply the identifiers of the required publications; these can be listed on the terminal while running DOCORD. They are also listed in Tables 4-1 and 5-1, and in the columns marked 'Microfiche' and 'PUB' in the Tables 2-1 to 2-4. Documents will be sent to the specified node (see Section 5.2 for more details).

An online system called MANUAL is used to maintain the database of standing orders for publications, and automatically bills you when publications are distributed. You may contact the Publications Assistant at CSIRONET Canberra to run a job on your behalf. You will need to know your project ID, user ID and home node for charging and postal purposes.

#### 5.4 Microfiche

Most CSIRONET user documentation is published on microfiche. The microfiche collection contains the following sets of publications:

- \* Introductory Guides (all except IG1)
- \* Users Manual (Edition 3) (all)
- \* Reference Manuals (some)
- \* Service Notes (all)

You can order the microfiche through the DOCPRT or DOCORD utilities (see Sections 5.2 and 5.3), or you may subscribe to the regular fiche issue. This set of publications is referred to by the publication identifier UDOC. The UDOC microfiche is updated at regular intervals, usually every 6 months.

Other documents, software source listings and example listings are also available on microfiche. A complete list is given in Table 5-1 together with date of publication and number of fiche.

Table 5-1 Microfiche available from CSIRONET.  
The current list may be read interactively  
using DOCORD (see Section 5.3).

Fiche Name	Description	Date	No. of Fiche
CALP	CALCOMP PLOTTERS (FICHE)	810330	1
CERN	CERN LIBRARY (8 FICHE)	810330	8
F6NO	FORLIB66 UTILITIES ON NOS 2 (FICHE)	841204	1
F6OS	FORLIB66 UTILITIES ON OSIV (FICHE)	841204	1
F6RX	FORLIB66 UTILITIES ON RSX (FICHE)	841204	1
F6VM	FORLIB66 UTILITIES ON VM (FICHE)	841204	1
F6VS	FORLIB66 UTILITIES ON VSOS (FICHE)	841204	1
F6VX	FORLIB66 UTILITIES ON VAX (FICHE)	841204	1
F7NO	FORLIB77 UTILITIES ON NOS 2 (FICHE)	841204	2
F7OS	FORLIB77 UTILITIES ON OSIV (FICHE)	841204	1
F7VM	FORLIB77 UTILITIES ON VM (FICHE)	841204	1
F7VS	FORLIB 77 UTILITIES ON VSOS (FICHE)	841204	1
FORD	FORDATA USERS GUIDE ED 2.0 (CN39)	810603	1
FORT	FORDATA - TABLE GENERATOR INTERFACE (CN36)	850501	1
GEBE	GENSTAT FOR BEGINNERS (CN45)	810923	1
GENX	GENSTAT EXAMPLES (CN45 - 3 FICHE)	810330	3
GPGS	GPGS MANUAL (FICHE)	830831	3
GRAF	GRAPHISTO USERS MANUAL (RM9 - FICHE)	830726	1
IMSL	IMSL 8 COMMENT EXTRACTION (3 FICHE)	810330	3
LINP	LINPACK LINEAR ALGEBRA PACKAGE (2 FICHE)	810330	2
LNPK	LINPACK LINEAR ALGEBRA (VSOS)	860815	1
ORSR	ORSER - PICTURE SOFTWARE (RM16 - FICHE)	800226	1
OUTF	OUTFOL REFERENCE MANUAL (RM11 - FICHE)	810330	1
PAS3	PASCAL 3 USERS GUIDE (NOS/BE)	810330	1
PAS8	OS, VM PASCAL	811110	1
PFRT	PFORT A FORTRAN PORTABILITY VERIFIER	810330	1
SASF	SAS HELP & SAMPLE LIBRARIES (9 FICHE)	860220	9
SPIC	SPICE USERS MANUAL & EXAMPLES ON CIRCUIT ANALYSIS	810330	2
SPSS	SPSS 6000 8.0 UPDATE MANUAL (2 FICHE)	820112	2
SURF	SURRENDERS USERS MANUAL (1 FICHE)	810330	1
SWIN	SWINDEX MANUAL	810330	1
TAXN	TAXON MANUAL (ED P4) (RM6 - FICHE)	850117	1
TGEN	TABLE GENERATOR (FICHE)	810330	1
TKIT	PROGRAMMERS TOOLKIT (FICHE)	850418	1
TOMS	TOMS UPDATE P L (6 FICHE)	810330	6
TPLF	TPL (TABLE PRODUCING LANGUAGE) MANUALS	830411	3
UDOC	CSIRONET USER DOCUMENTATION FICHE SUBSCRIPTION	860311	16

### 5.5 The CSIRONET Publications Assistant

The Publications Assistant arranges for the distribution of publications ordered directly or via DOCORD.

The Publications Assistant is also available to help you with any queries and problems relating to CSIRONET Publications and can order publications on your behalf.

To contact the Publications Assistant

- \* Use the CSIRONET Electronic Mail system (see IG2, 'Introduction to the Network', Chapter 6). The Publications Assistant \*MAIL alias is PUBS.

- \* write to

Publications Assistant  
CSIRONET  
GPO Box 1800  
CANBERRA ACT 2601

quoting your project ID, user ID, node, name, address and phone number

- \* phone (062) 433 248.

## 5.6 Cost of CSIRONET Publications

In order to recover the costs of production and distribution a charge is made against your project ID for most CSIRONET publications. Exceptions (which are free) include:

- CSIRONET News
- Technical Update
- CSIRONET in Brief
- CSIRONET Services brochure (IG1)
- User Kits (for new users)
- Annual Report

The basis of charging for publications is described in Section 1.1 of Services Note No 1, 'Accounting, Computing Charges and Crediting' (SN1). Charges for printed publications and microfiche are listed in Table 5-2.

If you print documentation at your own expense using DOCPRT, you will be charged for

- \* running DOCPRT
- \* network transmission charges
- \* forms processing charge (for printer output)

Table 5-2 gives the approximate costs of printing documentation. These charges are based on CSIRONET charges in June 1986 and are for using DOCPRT interactively on NOS. Running DOCPRT from a batch job is slightly cheaper and using DOCPRT on OSIV/F4 is slightly more expensive. Multiply all costs in Table 5-2 except those for the Xerox 9700 by your user factor.

Table 5-2 Approximate cost of obtaining CSIRONET documentation (June 1986). Costs are calculated assuming a user factor of 1.0 and an average of 3500 characters per page.

Output Medium	Approximate cost in cents	
	Prime time	Non-prime time
Xerox 9700 laser printer	70 + 15 per page	38 + 12 per page
Line Printer at non-charging node	30 + 4 per page	8 + 1 per page
Line Printer at charging node (operator serviced)	80 + 12 per page	65 + 10 per page
Imprint-10 laser printer	120 + 53 per page	80 + 47 per page
Microfiche (DOCPRT)	430 + 5 per page	320 + 5 per page
Microfiche (DOCORD)	200 + 13 per fiche	200 + 13 per fiche

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