

A

Abort a Print Job 104-105
 Aborting Commands 75
 Access Functions 262
 Add New Keyboards to the List 322
 add-form (Function) 316
 ADD.BORDER.TO.BITMAP (Function) 63
 ADD.PROCESS (Function) 278
 Adding FileBrowser Commands 93
 address space of the internetwork 272
 administrator commands for NSMaintain 216
 ADVISE (Function) 296
 aliases 214
 ALLOCATE.ETHERPACKET (Function) 282
 analyzing user functions 165
 application layer 271
 ARPANET 263
 array functions 203
 array operations 35
 Assignments 198

B

BACKWARD FIND (Command) 302
 BEGIN DST (Variable) 210
 BIN (Function) 232
 BIT.IN.COLUMN (Function) 63
 BIT.IN.ROW (Function) 64
 BITBLT (Function) 123
 BOUT (Function) 232
 BREAK (Function) 296
 broadcast address 273
 Browser 117
 BROWSER (Function) 14
 Browser describe window 14
 Browser printout window 14
 BROWSER window 72
 BROWSERBOXING (Variable) 14
 BROWSERFORMAT (Variable) 14

C

C4 printed circuit board 1
 CACHE/NODE/LABEL/BITMAPS (Variable) 123
 call graph 243
 call stack 243
 Calling the Keyboard Editor 158
 CALLS (Function) 185
 CALLSCCODE (Function) 185
 Cash-File 17
 Centronics 19
 Centronics cable 19
 Centronics port 1
 CENTRONICS.RESET (Function) 19
 CH.DEFAULT.DOMAIN (Variable) 216
 CH.DEFAULT.ORGANIZATION (Variable) 216
 Changing an Existing Keyboard 158
 character framing errors 234
 CharCodeTables 21
 Chat 25
 CHAT (Function) 26
 Chat connections 26
 Chat Menu 27

Chat window 154
 CHAT.ALLHOSTS (Variable) 29
 CHAT.DISPLAYTYPES (Variable) 28
 CHAT.EMACSCOMMANDS (Variable) 30
 CHAT.FONT (Variable) 29
 CHAT.IN.EMACS? (Variable) 30
 CHAT.INTERRUPTS (Variable) 29
 CHAT.KEYACTIONS (Variable) 29
 CHAT.PROTOCOLTYPES (Variable) 30
 CHAT.TTY.PROCESS (Variable) 30
 CHAT.WINDOW.REGION (Variable) 29
 CHAT.WINDOW.SIZE (Variable) 29
 chatting to a host 269
 CHECKSAMEDIR (Function) 241
 Clean-Up After Copying Files 41
 Clearinghouse service 213
 close-hash-file (Function) 140
 CLOSECHATWINDOWFLG (Variable) 29
 CLOSEF (Function) 10,232
 CLOSEHASHFILE (Function) 135
 CmlFloatArray 35
 COLLECTINUSE (Function) 113
 COLLISIONS (Function) 112
 COMMAND menu 72
 Common Lisp 303
 COMPILE (Command) 85
 Conjunctions of Sets 177
 connecting to a host 269
 control-E (Command) 74
 control-F (Command) 50
 control-O (Command) 147
 control-P (Command) 292
 control-Q (Command) 74,87
 control-S (Command) 50
 control-Z (Command) 50
 Conversation Mode 39
 convert-loaded-files (Variable) 308
 COPY (Command) 78
 Copy-Selecting Files 76
 COPYFILES (Function) 39
 CPE-FP upgrade 1
 Create a Key Pad for Repeated Use 226
 CREATE.NUMBERPAD.READER (Function) 226
 CREATEHASHFILE (Function) 134
 Creating 4045XLP Master Files 4
 creating a graph 118
 Creating a Hash File 134
 Creating a New Bitmap 62
 Creating a New Keyboard 157
 Creating a TableBrowser 257
 Creating Horizontal Rules 147
 creating HOST.TXT file 265
 Creating New Keyboard Configurations 161
 creating objects 216
 creating the local IP.INIT file 266
 creation dates 40
 cumulative mode 249
 Customizing Chat 28
 Customizing FileBrowser 90
 cyclic graphs 117

D

DataBaseFns 43
 Datamedia 2500 25
 daughter 120
 debuggee 291
 debugger 291
DECREASING.FONT.LIST (*Variable*) 132
 DEdit command menu 51
 DEdit Functions 51
 DEdit Idioms 56
 DEdit Parameters 54
 DEdit Window 48
DEDITLINGER (*Variable*) 54
DEDDTYPEINCOMS (*Variable*) 55
DEFAULT-CLEANUP-COMPILER (*Variable*) 85
DEFAULT.GRAPH.WINDOWSIZE (*Variable*) 124
DEFAULTCHATHOST (*Variable*) 26,29
DEFAULTPRINTERTYPE (*Variable*) 2
DEFAULTPRINTINGHOST (*Variable*) 2,223
 defdefiner-macros (*Variable*) 309
DEFINEKEYBOARD (*Function*) 323
 Defining a Virtual Keyboard 323
DEGREES-TO-RADIANS (*Function*) 207
DELETE (*Command*) 76
 deleting objects 216
 Device Errors 20
 Differences between TExec and TEdit 302
 Digital VT100 25
 directed acyclic graph 119
DIRECTORIES (*Variable*) 2,268
 directory-only lines 74
DIRECTORYNAME (*Function*) 241
 Display-Only a Keyboard 321
 displayer 243
DISPLAYFONTDIRECTORIES (*Variable*) 102
DISPLAYGRAPH (*Function*) 123
 Displaying a Stack 292
 Displaystream graphics 302
 DM2500 Chat 32
DODIP.HOSTP (*Function*) 284
 domain 213
DT.EDITMACROS (*Variable*) 55
DUMPDATABASE (*Function*) 187
DUMPDDB (*Function*) 44
DUMPGRAPH (*Function*) 127
 Dvorak keyboard 324
 dynamic structure 243

E

E30 option 229
EDIT (*Command*) 83
 edit buffer window 48
 EditBitMap 59
 EditBitMap sub-menu 61
 EditBitMap window 60
EDITBM (*Function*) 59
EDITCONFIGURATION (*Function*) 163
EDITEMBEDTOKEN (*Variable*) 54
EDITGRAPH (*Function*) 128
 EDITGRAPHMENU 126
EDITGRAPHMENUCOMMANDS (*Variable*) 126
 Editing a Bitmap in a Document 63
 editing a graph 124
 Editing a Keyboard Configuration 163
 Editing an Existing Bitmap 62
EDITKEYBOARD (*Function*) 158
EDITMODE (*Function*) 48
EDITMODE (*Variable*) 84

Effecting MasterScope Analysis 181
 Element Patterns 195
 Embedding and extracting 57
 EMYCIN 134
ENDDST (*Variable*) 210
 Entering DEdit Commands 51
 environmental and Lisp mappings 97
EOLCONVENTION (*Variable*) 283
 Error Condition Reporting 234
ERRORPUP (*Record*) 68
ERRORXIP (*Record*) 67
 Establishing a Connection 151
ETHERHOSTNUMBER (*Variable*) 5,292
 Ethernet 270
 Ethernet packet 276
 EtherRecords 67
EVALUATE-POLYNOMIAL (*Function*) 37
EXPUNGE (*Command*) 86
 extend the selection 74
 Extended Processor board 19
 extended processor option 35
 External Communication Service 31

F

FASSOC (*Function*) 127
 fast mode FX-80 104
FASTFX80-DEFAULT-DESTINATION (*Variable*) 102
FB (*Command*) 90
FB.ALLOW.ABORT (*Function*) 95
FB.BROWSERFONT (*Variable*) 92
FB.DEFAULT.EDITOR (*Variable*) 84,92
FB.DEFAULT.INFO (*Variable*) 87,91
FB.DEFAULT.NAME.WIDTH (*Variable*) 92
FB.FETCHFILENAME (*Function*) 94
FB.HARDCOPY.DIRECTORY.FONT (*Variable*) 92
FB.HARDCOPY.FONT (*Variable*) 92
FB.ICONFONT (*Variable*) 92
FB.INFO.FIELDS (*Variable*) 91
FB.INFO.MENU.ITEMS (*Variable*) 91
FB.MENU.ITEMS (*Variable*) 93
FB.PROMPTFONT (*Variable*) 92
FB.PROMPTLINES (*Variable*) 92
FB.PROMPTW.FORMAT (*Function*) 94
FB.PROMPTWPRINT (*Function*) 94
FB.PROMPTFORINPUT (*Function*) 94
FB.SELECTEDFILES (*Function*) 94
FB.TABLEBROWSER (*Function*) 94
 file name translation function 280
 File Transfer Using RS232 236
FILEBROWSE (*Command*) 83
 FileBrowser 69
FILEBROWSER (*Function*) 90
 FileBrowser Functions 90
 FileBrowser Variables 91
 filecom-specifier (*Function*) 316
 filing operations 278
FILING.ENUMERATION.DEPTH (*Variable*) 93
FIND-ARRAY-ELEMENT-INDEX (*Function*) 37
FINDPOINTER (*Function*) 113
FINDPOINTERS.OF.TYPE (*Function*) 114
FLIPNODE (*Function*) 127
 floating-point vector 35
FNT.DISPLOOK (*Function*) 98
FNT.DISPTBLE (*Function*) 98
FNT.MAKEBOOK (*Function*) 98
 font mappings 97
 FontSample 97
FORCEOUTPUT (*Function*) 232-233

forest 119
 form-specifier (Function) 316
FORWARD FIND (Command) 302
FREEVARS (Function) 185
FROM.SCREEN.BITMAP (Function) 64
 FTP service 279
FTPDEBUG (Function) 279
FTPSEVER (Function) 5,99
FTPSEVER.DEFAULT.HOST (Variable) 99
 function-calling structures 117
 Functions for Manipulating Hash Files 136
 Functions for Saving Work 295
 Functions for Writing Routines 186
 FX Printer Compatibility 105
 FX-80 DIP Switch Settings 102
 FX-80 family 101
 FX-80 Serial Interface 102
 FX-80Driver 101
FX80-PRINT (Function) 105

G

GapTelnet 31
 garbage collector 297
 Gateway Access Protocol 31
 GCHax 109
 General Purpose Records 67
 Get, Set Parameters via Inspector Window 8
get-cash-file (Function) 17
GETFILEINFO (Function) 278
GETHASHFILE (Function) 135
GETHASHTEXT (Function) 136
GETRELATION (Function) 186
GETTEMPLATE (Function) 184
GETTERMTABLE (Function) 302
 Getting Hardcopy Directory Listings 76
 ghost boxes 248
 Global Variables of Hash 137
 graph 13
GRAPH (Record) 128
 graph data structure 126
 graph nodes 117
GRAPH/HARDCOPY/FORMAT (Variable) 123
 Grapher 117,243
 Grapher image objects 126
GRAPHEROBJ (Function) 126
GRAPHERPROP (Function) 128
 graphics interface 101
GRAPHNODE (Record) 129
GRAPHREGION (Function) 127
 GraphZoom 131
 groups 217

H

HANZON Universal Card 102
HARDCOPY (Command) 80
HARDCOPYGRAPH (Function) 123
 Hash 133
 Hash tables 189
 Hash-File 139
HASHFILEDEFAULTSIZE (Variable) 137
HASHFILENAME (Function) 136
HASHFILEP (Function) 136
HASHFILEPROP (Function) 136
HASHFILERDTBL (Variable) 137
HASHFILESPLST (Function) 137
HASHLOADFACTOR (Variable) 137
HASHTEXTCHAR (Variable) 137

HFGROWTHFACTOR (Variable) 137
HOST&DIRECTORYFIELD (Function) 241
HOSTS.TEXT.DIRECTORIES (Variable) 287
 HOSTS.TXT files, parsing 287
HPRINT (Function) 127
HQFX80-DEFAULT-DESTINATION (Variable) 102
HQFX80-FONT-DIRECTORIES (Variable) 102
 HRule 147
HRULE.CREATE (Function) 147
HTE.READ.FILE (Function) 287

I

I/O processor 237
IDENTITY-3-BY-3 (Function) 204
IDENTITY-4-BY-4 (Function) 204
 imagestream 6
 include all files, both deleted and undeleted 74
 Individual mode 249
 INFO menu 72
 Info Options window 87
 Input Conventions for FileBrowser Commands 74
 Inserting a segment 57
install-form (Function) 316
INTERACT&ADD.BORDER.TO.BITMAP (Function) 65
INTERACT&SHIFT.BITMAP.DOWN (Function) 65
INTERACT&SHIFT.BITMAP.LEFT (Function) 65
INTERACT&SHIFT.BITMAP.RIGHT (Function) 65
 Interactive File Transfers With Kermit or Modem 154
 Interactive Terminal Service 31
 internal fields 251
 internet layer 271
INTERPRESSFONTDIRECTORIES (Variable) 22
 interpreter 250
 interrupt character 244
INVERT.BITMAP.B/W (Function) 64
INVERT.BITMAP.DIAGONALLY (Function) 64
INVERT.BITMAP.HORIZONTALLY (Function) 64
INVERT.BITMAP.VERTICALLY (Function) 64
 invisible characters 302
 IP addresses 273
 IP networks primer 272
 IP packet building 286
 IP packet sending 287
 IP socket access 284
IP.ADD.PROTOCOL (Function) 285
IP.APPEND.BYTE (Function) 286
IP.APPEND.CELL (Function) 287
IP.APPEND.STRING (Function) 287
IP.APPEND.WORD (Function) 287
IP.CLOSE.SOCKET (Function) 286
IP.DELETE.PROTOCOL (Function) 286
IP.OPEN.SOCKET (Function) 286
IP.SETUPIP (Function) 287
IP.TRANSMIT (Function) 287
IPHOSTNAME (Function) 284
IPINIT (Function) 284
IPTRACE (Function) 284
 iterative statement operator 187

J

join-comments (Variable) 308

K

Kermit 152,236
 Kermit menu 154

KERMIT.RECEIVE (Function) 153
KERMIT.SEND (Function) 153
KEYACTION (Function) 161
 keyboard editor menus 159
 KeyboardEditor 157

L

landscape mode 1
 Landscape printing 106
 lattices 117
 laying out a graph for display 118
LAYOUTFOREST (Function) 14
LAYOUTGRAPH (Function) 118
LAYOUTSEXPR (Function) 121
 Library Module Dependencies 17
 linguistic tree 126
 link layer 270
 Lisp interrupts 27
LISPUSERSDIRECTORIES (Variable) 268
LISPPXREAD (Function) 50
 list of nodes 118
 list structure editor 47
LISTFILES (Function) 3,223
LOAD (Command) 84
LOAD (Function) 43
 Load New Keyboards 322
 load-textmodule (Function) 306
LOADDB (Function) 44
LOADDBFLG (Variable) 44
LOADFROM (Function) 43,85
 loading TCP 268
LOOKUPHASHFILE (Function) 135
 lost characters 234
 low-level TCP functions 284

M

macro 187
 Macro Expansion 180
 maintenance panel halt 291
 make-cash-file (Function) 17
 make-hash-file (Function) 139
MAKE-HOMOGENEOUS-3-BY-3 (Function) 203
MAKE-HOMOGENEOUS-3-VECTOR (Function) 203
MAKE-HOMOGENEOUS-4-VECTOR (Function) 204
MAKE-HOMOGENEOUS-N-BY-3 (Function) 204
MAKE-HOMOGENEOUS-N-BY-4 (Function) 204
 make-specifier (Function) 314
 make-textmodule (Function) 307
MAKEFILE (Function) 43,77,241
MAKEFILEFORMS (Function) 241
 making a sysout that contains TCP-IP 270
 manipulating domains 218
 manipulating groups 217
 Manipulating the Remote Vmem 297
MAP-ARRAY (Function) 35
MAPGC (Function) 115
MAPHASHFILE (Function) 136
MAPRELATION (Function) 186
 MasterScope 13,43,165
MASTERSCOPE (Function) 185
 MasterScope Commands 166
 MasterScope database 165
 MasterScope Entries 185
 MasterScope Relations 170
 MasterScope Set Specifications 173
 MasterScope Templates 173
 Match 193

MatMult 203
MATMULT-133 (Function) 205
MATMULT-144 (Function) 206
MATMULT-331 (Function) 205
MATMULT-333 (Function) 206
MATMULT-441 (Function) 206
MATMULT-444 (Function) 206
MATMULT-N33 (Function) 206
MATMULT-N44 (Function) 206
 Matrix Creation Functions 203
 Matrix Multiplication Functions 205
 Merged Nodes 248
MIGRATIONS (Variable) 241
 MiniServe 209
 mlFloatArray 207
 Modem 153,236
MODEM.RECEIVE (Function) 154
MODEM.SEND (Function) 154
 Moving an expression 57
MSMACROPROPS (Variable) 180
MSMARKCHANGED (Function) 187
MSNEEDUNSAVE (Function) 187
 Multiple DEdit Commands 56
 Multiple Streams 10
MY.NSHOSTNUMBER (Variable) 210

N

network addresses 272
 network protocols 25,30
NETWORKOSTYPES (Variable) 268
 NEW INFO FileBrowser command 87
NODECREATE (Function) 118
 Notecards 10
 Noticing Changes that Require Recompiling 187
 NS characters 224
 NS Chat 31
 NS Records 67
NS.TO.PUP.ALIST (Variable) 210
NS.TO.PUP.FILE (Variable) 210
NSHOSTNUMBER (Record) 68
 NSMaintain 213
NSMAINTAIN (Function) 214
NSTIMESERVER (Function) 209
NTERACT&SHIFT.BITMAP.UP (Function) 65
NUMBERPAD.READ (Function) 226

O

objects 213
 creating 216
 deleting 216
 obtaining information in NSMaintain 215
 obtaining network addresses 264
 open-hash-file (Function) 140
OPENHASHFILE (Function) 134
OPENIMAGESTREAM (Function) 10,103
 Opening a 4045 Stream 8
 Opening a Centronics Stream 19
 Opening a Chat Connection 26
 Opening and Closing Hash Files 134
OPENP (Function) 232
OPENSTREAM (Function) 232
 Operations on Multiple Items 260
 organization 213
OVERFLOWS (Function) 113

P

package 299

packages 130,138
 parents 120
 parity errors 234
PARSERELATION (Function) 186
PATLISPCHECK (Variable) 194
 Pattern Elements 195
 pattern match compiler 194
 Pattern match expressions 195
PATVARDEFAULT (Variable) 194
PERSPECTIVE-4-BY-4 (Function) 205
 Place Markers 199
 pnames 138
 portrait mode 1
PORTSTRING (Function) 5,292
PPTCB (Function) 278
 Press 223
PRESSFONTWIDTHFILES (Variable) 223
 primitive relationship 188
PRIMTERMTABLE (Variable) 302
PRIN3 (Function) 130
 Print TEdit file in high-quality mode 107
 Print a File 104-105
 Print source code in high-quality mode 106
 Print source code on fast FX-80 106
 Print TEdit file in fast FX-80 mode 106
 Print text and graphics in high-quality mode 106
print-filecom (Function) 316
 printer drivers 101
 printer's point 147
 Printing in Fast Mode 103
 Printing in High-Quality Mode 104
 Printing Source or TEdit Files 3
 Printing Speed 10
 Printing via FTPserver 5
 Printing Windows 4
 Programmer's Assistant 303
PROJECT-AND-FIX-3-VECTOR (Function) 206
PROJECT-AND-FIX-4-VECTOR (Function) 206
PROJECT-AND-FIX-N-BY-3 (Function) 206
PROJECT-AND-FIX-N-BY-4 (Function) 207
 PROMPT window 71
 properties 213
 protocol number 285
PUP (Record) 68
 PUP Chat 30
 PUP FTP 99,242
 PUP ID Service 210
 PUP Records 68
 PUP Time Service 210
PUP.ID.SERVER (Function) 209
PUPADDRESS (Record) 68
PUPNUMBER (Variable) 210
PUPTIMESERVER (Function) 209
PUTHASHFILE (Function) 135
PUTHASHTEXT (Function) 135

Q

QABLEITEM (Record) 67
 Query Mode 39
 queue multiple arguments 57
 quick-scrolling 73
 Quitting the FileBrowser 75

R

RANDACCESSP (Function) 284
READ-BYTE (Function) 229
READ-CHAR (Function) 229

READGRAPH (Function) 127
 Reading the Remote Vmem 296
 ReadNumber 225
 ReadNumber window 65
READP (Function) 232
READSYS (Function) 296
REALFRAMEP (Function) 250
RECOMPILEDEFAULT (Variable) 188
RECOMPUTE (Command) 86
 Reconstruction 200
 record declaration 187
 recursive loads 100
 Redefine Existing Keyboards 322
REDUCE-ARRAY (Function) 36
REFCNT (Function) 112
 reference counting 297
REHASHFILE (Function) 136
REHASHGAG (Variable) 137
 relations between sets 166
 Remote Kermit in Server Mode 152
 Remote Kermit not in Server Mode 152
 Remote System Administration 31
 Remote System Executive 31
 Removing Keyboards From the Menu 322
RENAME (Command) 80
REPACKFILENAME.NEW.TRANSLATION (Function) 280
REPACKFILENAME.OSTYPE.TABLE (Variable) 280
REPACKFILENAME.STRING (Function) 280
 Replace All Known Keyboards 322
 Replacements 199
RESET/NODE/BORDER (Function) 127
RESET/NODE/LABELSHADE (Function) 127
RESETDEDIT (Function) 51
 Resetting 4045XLPstream 9
 Restarting MiniServe 211
RNUMBER (Function) 225
ROTATE-3-BY-3 (Function) 204
ROTATE-4-BY-4-ABOUT-X (Function) 204
ROTATE-4-BY-4-ABOUT-Y (Function) 204
ROTATE-4-BY-4-ABOUT-Z (Function) 205
ROTATE.BITMAP.LEFT (Function) 64
ROTATE.BITMAP.RIGHT (Function) 64
 RS232 151,229
 RS232 Chat 32
 RS232 port 229
RS232C.CLOSE-STREAM (Function) 232
RS232C.DEFAULT.INIT.INFO (Variable) 230
RS232C.ERROR.STREAM (Variable) 234
RS232C.GET.PARAMETERS (Function) 232
RS232C.INIT (Function) 230
RS232C.OTHER.STREAM (Function) 232
RS232C.OUTPUT.PACKET.LENGTH (Function) 233
RS232C.READP.EVENT (Function) 233
RS232C.REPORT.STATUS (Function) 234
RS232C.SET.PARAMETERS (Function) 231
RS232C.SHUTDOWN (Function) 232
 RS232CHAT 235
 RS232CMENU 236,239
RS232MODEMCONTROL (Function) 234
RS232MODEMHANGUP (Function) 234
RS232MODEMSTATUSP (Function) 234
RS232MODIFYMODEMCONTROL (Function) 234
RS232SEENDBREAK (Function) 234
 RS232TRACE 235

S

s-expression 121

- SameDir 241
- sampler 243
- SAVEDBFLG (Variable) 44
- Scale factors 10
- SCALE-3-BY-3 (Function) 205
- SCALE-4-BY-4 (Function) 205
- SCALEDBITBLT (Function) 10
- SCROLL bar 73
- secret pages 133
- SEE (Command) 81
- Segment Patterns 196
- Segment selection and manipulation 56
- Selecting Files 73
- Selecting Objects and Lists 49
- selection stack 49
- Send text output to fast FX-80 106
- SEND.FILE.TO.PRINTER (Function) 3,223
- Serial interface card 101
- server mode 152
- SET DEPTH (Command) 88
- Set Destination 105
- Set Determiners 176
- Set FX-80 Destination 104
- Set FX-80 Page Size 104
- Set HQ Mode 104
- Set Page Size 105
- Set Specifications by Blocktypes 175
- Set Specifications by Relation 175
- Set Types 176
- SETSYNONYM (Function) 185
- SETTEMPLATE (Function) 184
- SETTIME (Function) 209
- SHIFT.BITMAP.DOWN (Function) 64
- SHIFT.BITMAP.LEFT (Function) 64
- SHIFT.BITMAP.RIGHT (Function) 64
- SHIFT.BITMAP.UP (Function) 64
- SHOW PATHS (Command) 178
- SHOW.CLOSED.WINDOWS (Function) 114
- SHOWCIRCULARITY (Function) 115
- SHOWCOMMONCSETS (Function) 22
- SHOWCSET (Function) 22
- SHOWCSETLIST (Function) 22
- SHOWCSETRANGE (Function) 22
- SHOWGC (Function) 112
- SHOWGRAPH (Function) 14,122,131
- SHOWZOOMGRAPH (Function) 131
- Simple Item Operations 259
- SINGLEFILEINDEX (Function) 11
- Sketch 11
- SORT (Command) 89
- special characters 319
- specifiers (Variable) 314
- Specifying What Files to Browse 70
- Spy 243
- SPY.BORDERS (Variable) 250
- SPY.BUTTON (Function) 244
- SPY.END (Function) 244
- SPY.FONT (Variable) 250
- SPY.FREQUENCY (Variable) 249
- SPY.LEGEND (Function) 249
- SPY.MAXLINES (Variable) 250
- SPY.NOMERGEFNS (Variable) 250
- SPY.START (Function) 244
- SPY.TOGGLE (Function) 244
- SPY.TREE (Function) 245
- SPY.TREE (Variable) 250
- stack 293
- stack architecture 56
- Stacking Several Rules in a Single Object 148
- Starting FileBrowser 69
- Starting TExec 302
- STARTMINISERVE (Function) 209
- static structure 243
- STOPIP (Function) 284
- STORAGE (Function) 109
- Store Keyboards 321
- Storing and Retrieving Data 135
- SUBNETMASK (Variable) 273
- subnetworks 273
- Sun
 - TCP to a 265
- Switch & Display a Keyboard 321
- Switch A-2 2
- Switch Keyboards 320
- switch settings 2
- SWITCHKEYBOARDS (Function) 323
- SysEdit 251
- SYSHASHFILE (Variable) 137
- SYSHASHFILELIST (Variable) 137
- system sources 251
- T
 - TableBrowser 253
 - TABLEBROWSER (Record) 254
 - TABLEITEM (Record) 254
 - TALLY window 71
 - target-source-command 56
 - TB.BROWSER.BUSY (Function) 259
 - TB.CLEAR.LINE (Function) 260
 - TB.COLLECT.ITEMS (Function) 261
 - TB.DELETE.ITEM (Function) 259
 - TB.FIND.ITEM (Function) 261
 - TB.FINISH.CLOSE (Function) 259
 - TB.INSERT.ITEM (Function) 259
 - TB.ITEM.DELETED? (Function) 262
 - TB.ITEM.SELECTED? (Function) 262
 - TB.MAKE.BROWSER (Function) 257
 - TB.MAP.DELETED.ITEMS (Function) 261
 - TB.MAP.ITEMS (Function) 261
 - TB.MAP.SELECTED.ITEMS (Function) 261
 - TB.NORMALIZE.ITEM (Function) 260
 - TB.NTH.ITEM (Function) 260
 - TB.NUMBER.OF.ITEMS (Function) 260
 - TB.REDISPLAY.ITEMS (Function) 260
 - TB.REMOVE.ITEM (Function) 259
 - TB.REPLACE.ITEMS (Function) 258
 - TB.SELECT.ITEM (Function) 259
 - TB.SET.FONT (Function) 258
 - TB.UNDELETE.ITEM (Function) 259
 - TB.USERDATA (Function) 262
 - TB.WINDOW (Function) 262
 - TCP
 - and directory enumeration 265
 - TCP Chat 32
 - TCP debugging aids 288
 - TCP segment 276
 - TCP-IP 263
 - TCP-IP protocol 41
 - TCP-IP protocol layers 270
 - TCP.BYE (Function) 279
 - TCP.CLOSE.SENDER (Function) 277
 - TCP.DEFAULT.RECEIVE.WINDOW (Variable) 277
 - TCP.DEFAULT.USER.TIMEOUT (Variable) 277
 - TCP.DEFAULTFILETYPE (Variable) 279
 - TCP.ECHO.SERVER (Function) 278
 - TCP.ECHOTEST (Function) 278

TCP.FAUCET (Function) 278
TCP.INIT (Function) 277
TCP.OPEN (Function) 276
TCP.OTHER.STREAM (Function) 276
TCP.SINK.SERVER (Function) 278
TCP.STOP (Function) 277
TCP.URGENT.EVENT (Function) 276
TCP.URGENT.MARK (Function) 276
TCP.URGENTP (Function) 276
TCPCHAT.TELNET.TTY.TYPES (Variable) 281
TCPCHAT.TRACEFILE (Variable) 281
TCPCHAT.TRACEFLG (Variable) 281
TCPFTP.DEFAULT.FILETYPES (Variable) 278
TCPFTP.INIT (Function) 279
TCPFTP.SERVER (Function) 279
TCPFTP.SERVER.USE.TOPS20.SYNTAX (Variable) 279
TCPTTRACE (Function) 277
 TEdit 10,25,147,301,319
 TEdit Chat 32
 TeleRaid 291
TELERAID (Function) 292
 TeleRaid Commands 292
 teletype editor 47
 TELNET protocol 272,280
 ten-key calculator pad 225
 terminal emulators 25
 Testing the Connection Between Two Xerox Lisp Machines 239
TESTRELATION (Function) 186
 TExec 301
TEEXEC (Function) 302
 TEXTMODULES 305
TFTP.CLOSEFILE (Function) 284
TFTP.GET (Function) 283
TFTP.OPENFILE (Function) 283
TFTP.PUT (Function) 283
TFTP.SERVER (Function) 283
 thumbing 73
TIMEZONECOMP (Variable) 210
 tracing and test functions 277
 trailer encapsulation 288
 transferring files 151,269
TRANSLATE-3-BY-3 (Function) 205
TRANSLATE-4-BY-4 (Function) 205
 translating between the file-naming conventions 280
 transport layer 271
 transport control protocol 275
 trees 117
TRIM.BITMAP (Function) 64
 trivial file transfer protocol 283
 Troubleshooting Problems With FileBrowser 95
 TTY port 229
TTY.DEFAULT.INIT.INFO (Variable) 237
TTY.GET.PARAMETERS (Function) 238
TTY.INIT (Function) 237
TTY.SET.PARAMETERS (Function) 237
TTY.SHUTDOWN (Function) 238
 TTYCHAT 239
 Two-key hash files 138
 Typing Characters to DEdit 50

U

UDP.APPEND.BYTE (Function) 282
UDP.APPEND.CELL (Function) 283
UDP.APPEND.STRING (Function) 283
UDP.APPEND.WORD (Function) 282

UDP.CLOSE.SOCKET (Function) 281
UDP.EXCHANGE (Function) 282
UDP.GET (Function) 282
UDP.INIT (Function) 281
UDP.OPEN.SOCKET (Function) 281
UDP.SEND (Function) 282
UDP.SETUP (Function) 282
UDP.SOCKET.EVENT (Function) 282
UDP.SOCKET.NUMBER (Function) 282
UDP.STOP (Function) 281
UNDELETE (Command) 76
 Unechoed input mode 302
 Unix 242,283
 unread 50
UNSAVEFNS (Function) 188
UPDATECHANGED (Function) 187
UPDATEFN (Function) 187
 Updating the MasterScope Data Base 184
upgrade-semicolon-comments (Variable) 308
 user commands for NSMaintain 215
 user datagram protocol 281
USERWORDS (Function) 302
 Using a 4045XLP Stream 9
 Using Modems 234
 Using RS232 Streams 232
 Using TExec 302
 Using the 4045 as a Default Printing Host 3
 Using the FileBrowser Window 71
 Using the Keyboard Editor 159
 Using the TTY Port 237
 Using TTY Streams 238

V

verifying TCP connections 268
 Version Control 40
VFIND.PACKAGE (Function) 298
VFIND.SYMBOL (Function) 298
VGETBASE0 (Function) 298
VGETDEFN (Function) 298
VGETPROPLIST (Function) 298
VGETTOPVAL (Function) 298
VGETVAL (Function) 298
 Viewing an Existing Bitmap 62
 Viewing Frames from a Stack 293
 Viewing the System Stack 294
 violation of the IP standard 273
 virtual graph nodes 119
 virtual memory 291
 virtual terminal I/O 280
 VirtualKeyboards 157,319
VKBD.CONFIGURATIONS (Variable) 163
VKBD.KNOWN-KEYBOARDS (Variable) 324
VLOADFNS (Function) 295
VLOADVAR (Function) 295
VPUTBASE0 (Function) 298
VRAID (Function) 296
VSAVEWORK (Function) 295
VSETTOPVAL (Function) 298
 VT100 Chat 32
VTYPENAME (Function) 298
VUNSAVEDEF (Function) 295
VVAG2 (Function) 297
VYANKDEF (Function) 295
VCOPY (Function) 297
VUNCOPY (Function) 297

W

Weitek floating-point chip set 35
When To Copy 40
Where-Is 325
wild cards 70
wrapper functions 203

X

XCVR interface cable 263
Xerox 2700-II laser printer 1
Xerox 4045 Laser CP 1
Xerox Character Codes 21
Xerox/Diablo 630 1
XIP (Record) 67
XNS host number 210
XNS Time Service 209

4

4045 configuration cartridge 2
4045 Emulation Mode Selection 2
4045 Fonts 9
4045 Parameter Names and Values 6
4045 Port Initialization 3
4045 Port Selection 2
4045 PROM and Software Compatibility 1
4045XLP.CHANGE.MODE (Function) 5
4045XLP.DEFAULTS (Variable) 6
4045XLP.GET.PARAMETERS (Function) 7
4045XLP.PARAMETERS (Record) 6
4045XLP.SET.PARAMETERS (Function) 7
4045XLPstream Options 6
4045XLPSTREAM.VERSION (Variable) 2