

## CONTENTS

a64l .....	Converts between long integer and base-64 ASCII string .....	8
abort .....	Generates an abnormal process termination .....	9
abs .....	Returns the integer or long integer absolute value .....	10
acid2nam (see id2nam) .....	Maps IDs to names .....	310
acidnamfree (see id2nam) .....	Maps IDs to names .....	310
acos (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
acosf (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
acosl (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
addudb (see libudb) .....	Library of user database access functions .....	346
airlog .....	Logs messages to system log using syslog(3) .....	11
alphasort (see scandir) .....	Scans a directory .....	580
asallocash .....	Allocates a global array session handle .....	16
asashisglobal .....	Determines if an array session handle is global .....	17
asashofpid .....	Obtains the array session handle of a process .....	18
ascftime (see strftime) .....	Formats time information in a character string .....	659
ascloseserver (see asopensever) .....	Creates or destroys an array server token .....	53
ascommand .....	Executes an array command .....	19
asctime (see ctime) .....	Converts from and to various forms of time .....	129
asctime_r (see ctime) .....	Converts from and to various forms of time .....	129
asdfilteropt (see assetserveropt) .....	Sets or retrieves server options .....	71
aserrorcode .....	Provides Array Services error information .....	24
asfreearray .....	Releases array information structure .....	26
asfreearraylist .....	Releases array information structures .....	27
asfreearraypidlist .....	Releases array-wide process identification enumeration structures .....	28
asfreeashlist .....	Releases array session handle enumeration structures .....	29
asfreecmdrsltlist .....	Releases array command result structures .....	30
asfreemachinelist .....	Releases machine information structures .....	31
asfreemachinepidlist .....	Releases process identification enumeration structures .....	32
asfreeoptinfo .....	Releases command line options information structure .....	33
asfreepidlist .....	Releases process identification enumeration structures .....	34
asgetattr .....	Searches an attribute list for a particular name .....	35
asgetdfiltarray .....	Gets information about the default array .....	37
asgetserveropt (see assetserveropt) .....	Sets or retrieves server options .....	71
asin .....	Determines arcsine, arccosine, or arctangent of a value .....	38
asinf (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
asinl (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
askillash_array .....	.....	41
askillash_local (see askillash_array) .....	.....	41
askillash_server (see askillash_array) .....	.....	41
askillpid_server .....	Sends a signal to a remote process .....	43
aslistarrays .....	Enumerates known arrays .....	45
aslistashes .....	Enumerates array session handles .....	47
aslistashes_array (see aslistashes) .....	Enumerates array session handles .....	47
aslistashes_local (see aslistashes) .....	Enumerates array session handles .....	47
aslistashes_server (see aslistashes) .....	Enumerates array session handles .....	47
aslistmachines .....	Enumerates machines in an array .....	50
asmakeerror .....	Generates an Array Services error code .....	52
asopensever .....	Creates or destroys an array server token .....	53

asopensever_from_optinfo .....	Creates an array server token .....	55
asparseopts .....	Parses standard Array Services command line options .....	56
aspperror .....	Prints an Array Services error message .....	62
aspidsinash .....	Enumerates processes in an array session .....	63
aspidsinash_array (see aspidsinash) .....	Enumerates processes in an array session .....	63
aspidsinash_local (see aspidsinash) .....	Enumerates processes in an array session .....	63
aspidsinash_server (see aspidsinash) .....	Enumerates processes in an array session .....	63
asrcmd .....	Executes a command on a remote machine .....	66
asrcmdv (see asrcmd) .....	Executes a command on a remote machine .....	66
assert .....	Verifies program assertion .....	68
assert.h .....	Library header for diagnostic functions .....	70
assetserveropt .....	Sets or retrieves server options .....	71
astterror .....	Gets an Array Services error message string .....	74
atabort (see atexit) .....	Calls specified function on normal/abnormal termination .....	75
atan (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
atan2 (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
atan2f (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
atan2l (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
atanf (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
atanl (see asin) .....	Determines arcsine, arccosine, or arctangent of a value .....	38
atexit .....	Calls specified function on normal/abnormal termination .....	75
atof (see strtod) .....	Converts string to double, long double, or float .....	675
atoi (see strtol) .....	Converts string to integer .....	677
atol (see strtol) .....	Converts string to integer .....	677
atoll (see strtol) .....	Converts string to integer .....	677
authkerb_getucred (see kerberos_rpc) .....	Library routines for remote procedure calls that use Kerberos authentication .....	339
authkerb_seccreate (see kerberos_rpc) .....	Library routines for remote procedure calls that use Kerberos authentication .....	339
BARASGN (see barasgn) .....	Identifies an integer variable to use as a barrier .....	76
barasgn .....	Identifies an integer variable to use as a barrier .....	76
BARREL (see barrel) .....	Releases the identifier assigned to a barrier .....	77
barrel .....	Releases the identifier assigned to a barrier .....	77
BARSYNC (see barsync) .....	Registers the arrival of a task at a barrier and suspends task execution until all other tasks arrive at the barrier .....	78
barsync .....	Registers the arrival of a task at a barrier and suspends task execution until all other tasks arrive at the barrier .....	78
bcmp (see bstring) .....	Operates on bits and byte strings .....	83
bcopy (see bstring) .....	Operates on bits and byte strings .....	83
bessel .....	Returns Bessel functions .....	79
bindresvport .....	Binds a socket to a privileged IP port .....	80
bsearch .....	Performs a binary search of an ordered array .....	82
bstring .....	Operates on bits and byte strings .....	83
_btol (see _cptofcd) .....	Passes character strings and logical values between Standard C and Fortran .....	117
BUFDUMP (see bufdump) .....	Writes an unformatted dump of the multitasking history trace buffer .....	84
bufdump .....	Writes an unformatted dump of the multitasking history trace buffer .....	84
BUFPRINT (see bufprint) .....	Writes formatted dump of multitasking history trace buffer to a specified file .....	85
bufprint .....	Writes formatted dump of multitasking history trace buffer to a specified file .....	85

BUFTUNE (see buftune) .....	Tunes parameters controlling multitasking history trace buffer .....	86
buftune .....	Tunes parameters controlling multitasking history trace buffer .....	86
BUFUSER (see bufuser) .....	Adds entries to the multitasking history trace buffer .....	90
bufuser .....	Adds entries to the multitasking history trace buffer .....	90
byteorder .....	Converts values between host and network byte order .....	92
bzero (see bstring) .....	Operates on bits and byte strings .....	83
cabs (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
calloc (see malloc) .....	Memory management functions .....	392
catclose (see catopen) .....	Opens or closes a message catalog .....	99
catgetmsg .....	Reads a message from a message catalog .....	93
catgets .....	Gets message from a message catalog .....	95
catmsgfmt .....	Formats an error message .....	97
catopen .....	Opens or closes a message catalog .....	99
ccos (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
ceil (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
ceilf (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
ceill (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
cexp (see exp) .....	Determines exponential and logarithm values .....	168
cfgetispeed (see cfgetospeed) .....	Gets or sets terminal input or output baud rates .....	102
cfgetospeed .....	Gets or sets terminal input or output baud rates .....	102
cfsetispeed (see cfgetospeed) .....	Gets or sets terminal input or output baud rates .....	102
cfsetospeed (see cfgetospeed) .....	Gets or sets terminal input or output baud rates .....	102
cftime (see strftime) .....	Formats time information in a character string .....	659
character .....	Introduction to character-handling functions .....	104
cimag .....	Manipulates parts of complex values .....	107
clearerr (see ferror) .....	Returns indication of stream status .....	183
clock .....	Reports CPU time used .....	108
clog (see exp) .....	Determines exponential and logarithm values .....	168
closedir (see directory) .....	Performs directory operations .....	144
closelog (see syslog) .....	Controls system log .....	696
common_def .....	Introduction to common definition headers .....	110
complex.h .....	Library header for complex math functions .....	111
confstr .....	Gets configurable string values .....	113
conj (see cimag) .....	Manipulates parts of complex values .....	107
conv .....	Translates characters .....	114
copysign .....	Assigns the sign of its second argument to the value of its first argument .....	116
copysignf (see copysign) .....	Assigns the sign of its second argument to the value of its first argument .....	116
copysignl (see copysign) .....	Assigns the sign of its second argument to the value of its first argument .....	116
cos (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
cosf (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
cosh (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
coshf (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
coshl (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
cosl (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
cpow (see pow) .....	Raises the specified value to a given power .....	475
_cptofcd .....	Passes character strings and logical values between Standard C and Fortran .....	117
cpused .....	Gets task CPU time in RTC ticks .....	124

creal (see cimag)	Manipulates parts of complex values	107
crypt	Generates DES encryption	126
csin (see sin)	Determines the sine, cosine, or tangent of a value	629
csqrt (see sqrt)	Determines the square root or hypotenuse of a value	636
ctermid	Generates file name for terminal	128
ctime	Converts from and to various forms of time	129
ctime_r (see ctime)	Converts from and to various forms of time	129
ctype	Classifies character	133
ctype.h	Library header for character-handling functions	136
cuserid	Gets character login name of the user	137
daemon	Run an application in the background	138
date_time	Introduction to date and time functions	139
daylight (see ctime)	Converts from and to various forms of time	129
dbm	Provides database subfunctions	141
dbm_clearerr (see ndbm)	Database subroutines	440
dbm_close (see ndbm)	Database subroutines	440
dbmclose (see dbm)	Provides database subfunctions	141
dbm_delete (see ndbm)	Database subroutines	440
dbm_error (see ndbm)	Database subroutines	440
dbm_fetch (see ndbm)	Database subroutines	440
dbm_firstkey (see ndbm)	Database subroutines	440
dbminit (see dbm)	Provides database subfunctions	141
dbm_nextkey (see ndbm)	Database subroutines	440
dbm_open (see ndbm)	Database subroutines	440
dbm_store (see ndbm)	Database subroutines	440
delete (see dbm)	Provides database subfunctions	141
deleteudb (see libudb)	Library of user database access functions	346
difftime	Finds difference between two calendar times	143
directory	Performs directory operations	144
div	Computes integer or long integer quotient and remainder	147
dmf_hashhandle (see dmf_offline)	Determines migrated status	148
dmf_offline	Determines migrated status	148
dmf_vendor (see dmf_offline)	Determines migrated status	148
dn_comp (see resolver)	Provides domain name service resolver functions	548
dn_expand (see resolver)	Provides domain name service resolver functions	548
dn_skipname (see resolver)	Provides domain name service resolver functions	548
drand48	Generates uniformly distributed pseudo-random numbers	149
dup2	Duplicates an open file descriptor	152
dumntent (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
ecvt	Converts a floating-point number to a string	154
encrypt (see crypt)	Generates DES encryption	126
endfsent (see getfsent)	Gets file system descriptor file entry	235
endgrent (see getgrent)	Gets group file entry	237
endhostent (see gethost)	Gets a network host entry	239
endmntent (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
endnetent (see getnet)	Gets network entry	254
endprotoent (see getprot)	Gets protocol entry	267
endpwent (see getpwent)	Gets password file entry	270
endrpcent (see getrpcent)	Gets remote procedure call entry	273
endservent (see getserv)	Gets service entry	277
endtosent (see gettos)	Gets network Type Of Service information	279

endudb (see libudb) .....	Library of user database access functions .....	346
endusershell (see getusershell) .....	Gets user shells .....	281
endutent (see getut) .....	Accesses utmp file entry .....	282
erand48 (see drand48) .....	Generates uniformly distributed pseudo-random numbers .....	149
erf .....	Returns error function and complementary error function .....	155
erfc (see erf) .....	Returns error function and complementary error function .....	155
errno.h .....	Library header for reporting error conditions .....	156
EVASGN (see evasgn) .....	Identifies an integer variable to be used as an event .....	159
evasgn .....	Identifies an integer variable to be used as an event .....	159
EVCLEAR (see evclear) .....	Clears an event and returns control to the calling task .....	161
evclear .....	Clears an event and returns control to the calling task .....	161
EVPOST (see evpost) .....	Posts an event and returns control to the calling task .....	163
evpost .....	Posts an event and returns control to the calling task .....	163
EVREL (see evrel) .....	Releases the identifier assigned to an event .....	164
evrel .....	Releases the identifier assigned to an event .....	164
EVTEST (see evtest) .....	Returns the state of an event .....	165
evtest .....	Returns the state of an event .....	165
EVWAIT (see evwait) .....	Delays the calling task until the specified event is posted .....	166
evwait .....	Delays the calling task until the specified event is posted .....	166
exit .....	Terminates a program .....	167
exp .....	Determines exponential and logarithm values .....	168
expf (see exp) .....	Determines exponential and logarithm values .....	168
expl (see exp) .....	Determines exponential and logarithm values .....	168
fabs (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
fabsf (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
fabsl (see floor) .....	Provides math function for floor, ceiling, remainder, and absolute value ...	197
_fcdlen (see _cptofcd) .....	Passes character strings and logical values between Standard C and Fortran .....	117
_fcdtocr (see _cptofcd) .....	Passes character strings and logical values between Standard C and Fortran .....	117
fclose .....	Closes or flushes a stream .....	170
fcvt (see ecvt) .....	Converts a floating-point number to a string .....	154
fdopen (see fopen) .....	Opens a stream .....	203
feclearexcept .....	Manages floating-point exception flags .....	172
fedisabletrap .....	Manages trap flags .....	174
feenabletrap (see fedisabletrap) .....	Manages trap flags .....	174
fegetenv .....	Manages the entire floating-point environment .....	176
fegetexceptflag (see feclearexcept) .....	Manages floating-point exception flags .....	172
fegetround .....	Manage the rounding direction modes .....	178
fegettrapflag (see fedisabletrap) .....	Manages trap flags .....	174
feholdexcept (see fegetenv) .....	Manages the entire floating-point environment .....	176
fenv.h .....	Library header for the IEEE floating-point environment .....	180
feof (see ferror) .....	Returns indication of stream status .....	183
feraiseexcept (see feclearexcept) .....	Manages floating-point exception flags .....	172
ferror .....	Returns indication of stream status .....	183
fesetenv (see fegetenv) .....	Manages the entire floating-point environment .....	176
fesetexceptflag (see feclearexcept) .....	Manages floating-point exception flags .....	172
fesetround (see fegetround) .....	Manage the rounding direction modes .....	178
fesettrapflag (see fedisabletrap) .....	Manages trap flags .....	174
fetch (see dbm) .....	Provides database subfunctions .....	141
fetestexcept (see feclearexcept) .....	Manages floating-point exception flags .....	172

fetesttrap (see fedisabletrap)	Manages trap flags	174
feupdateenv (see fegetenv)	Manages the entire floating-point environment	176
fflush (see fclose)	Closes or flushes a stream	170
ffs (see bstring)	Operates on bits and byte strings	83
fgetc (see getc)	Gets a character or word from a stream	221
fgetgrent (see getgrent)	Gets group file entry	237
fgetpos	Stores or sets the value of the file position indicator	184
fgetpwent (see getpwent)	Gets password file entry	270
fgets (see gets)	Gets a string from a stream	275
fgetwc (see getc)	Gets a character or word from a stream	221
fgetws (see gets)	Gets a string from a stream	275
file	Introduction to file system and directory functions	185
fileno	Returns integer file descriptor associated with stream	187
findmntentry (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
firstkey (see dbm)	Provides database subfunctions	141
float.h	Library header for floating-point number limits	188
flock	Applies or removes an advisory lock on an open file	193
flockfile	Locks file stream	195
floor	Provides math function for floor, ceiling, remainder, and absolute value	197
floorf (see floor)	Provides math function for floor, ceiling, remainder, and absolute value	197
floorl (see floor)	Provides math function for floor, ceiling, remainder, and absolute value	197
FLOWMARK (see flowmark)	Allows timing of a section of code	199
flowmark	Allows timing of a section of code	199
fmod (see floor)	Provides math function for floor, ceiling, remainder, and absolute value	197
fmodf (see floor)	Provides math function for floor, ceiling, remainder, and absolute value	197
fmodl (see floor)	Provides math function for floor, ceiling, remainder, and absolute value	197
fnmatch	Matches file name or path name	201
fopen	Opens a stream	203
fortran.h	Library header for interlanguage communication functions	206
fpclassify	Identifies its argument as NaN, infinite, normal, subnormal, or zero	207
fp.h	Library header for IEEE floating-point functions and macros	209
fprintf (see printf)	Prints formatted output	477
fputc (see putc)	Puts a character or word on a stream	517
fputs (see puts)	Puts a string on a stream	522
fputwc (see putc)	Puts a character or word on a stream	517
fputws (see puts)	Puts a string on a stream	522
fread	Reads or writes input or output	212
free (see malloc)	Memory management functions	392
freeconfval (see getconfval)	Gets configuration values	224
freemntent (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
freemntlist (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
freopen (see fopen)	Opens a stream	203
frexp	Manipulates parts of floating-point numbers	214
frexpf (see frexp)	Manipulates parts of floating-point numbers	214
frexpl (see frexp)	Manipulates parts of floating-point numbers	214
fscanf (see scanf)	Converts formatted input	582
fseek	Repositions a file pointer in a stream	216
fsetpos (see fgetpos)	Stores or sets the value of the file position indicator	184
ftell (see fseek)	Repositions a file pointer in a stream	216
ftok (see stdipc)	Standard interprocess communication (IPC) package	649
ftruncate	Truncates a file to a specified length	218

ftrylockfile (see flockfile)	Locks file stream	195
ftw	Walks a file tree	219
funlockfile (see flockfile)	Locks file stream	195
fwrite (see fread)	Reads or writes input or output	212
gamma (see lgamma)	Computes log gamma function	344
gcvt (see ecvt)	Converts a floating-point number to a string	154
getc	Gets a character or word from a stream	221
getchar (see getc)	Gets a character or word from a stream	221
getchar_unlocked (see getc)	Gets a character or word from a stream	221
getconfval	Gets configuration values	224
getconfvals (see getconfval)	Gets configuration values	224
getc_unlocked (see getc)	Gets a character or word from a stream	221
getcwd	Gets path name of current directory	228
getdomain	Gets or sets name of current domain	230
getdomainname (see getdomain)	Gets or sets name of current domain	230
getdtablesize	Gets file descriptor table size	232
getenv	Returns the value for the specified environment name	233
getfsent	Gets file system descriptor file entry	235
getfsfile (see getfsent)	Gets file system descriptor file entry	235
getfsspec (see getfsent)	Gets file system descriptor file entry	235
getfstype (see getfsent)	Gets file system descriptor file entry	235
getgrent	Gets group file entry	237
getgrgid (see getgrent)	Gets group file entry	237
getgrgid_r (see getgrent)	Gets group file entry	237
getgrnam (see getgrent)	Gets group file entry	237
getgrnam_r (see getgrent)	Gets group file entry	237
gethost	Gets a network host entry	239
gethostbyaddr (see gethost)	Gets a network host entry	239
gethostbyname (see gethost)	Gets a network host entry	239
gethostent (see gethost)	Gets a network host entry	239
gethostinfo	Gets network host and service entry	242
gethostlookup (see gethost)	Gets a network host entry	239
getlogin	Gets login name	245
getlogin_r (see getlogin)	Gets login name	245
getmntent	Gets file system descriptor file entry or kernel mount table entry	247
getmntinfo (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
getnet	Gets network entry	254
getnetbyaddr (see getnet)	Gets network entry	254
getnetbyname (see getnet)	Gets network entry	254
getnetent (see getnet)	Gets network entry	254
getopt	Parses command options	256
getoptlst	Gets option argument list	263
getpass	Reads a password	266
getprot	Gets protocol entry	267
getprotobyname (see getprot)	Gets protocol entry	267
getprotobynumber (see getprot)	Gets protocol entry	267
getprotoent (see getprot)	Gets protocol entry	267
getpw	Gets name from UID	269
getpwent	Gets password file entry	270
getpwnam (see getpwent)	Gets password file entry	270
getpwnam_r (see getpwent)	Gets password file entry	270

getpwuid (see getpwent) .....	Gets password file entry .....	270
getpwuid_r (see getpwent) .....	Gets password file entry .....	270
getrpcbyname (see getrpcnt) .....	Gets remote procedure call entry .....	273
getrpcbynumber (see getrpcnt) .....	Gets remote procedure call entry .....	273
getrpcnt .....	Gets remote procedure call entry .....	273
gets .....	Gets a string from a stream .....	275
getserv .....	Gets service entry .....	277
getservbyname (see getserv) .....	Gets service entry .....	277
getservbyport (see getserv) .....	Gets service entry .....	277
getservent (see getserv) .....	Gets service entry .....	277
getsysudb (see libudb) .....	Library of user database access functions .....	346
gettos .....	Gets network Type Of Service information .....	279
gettosbyname (see gettos) .....	Gets network Type Of Service information .....	279
gettosent (see gettos) .....	Gets network Type Of Service information .....	279
gettrustedudb (see libudb) .....	Library of user database access functions .....	346
getudb (see libudb) .....	Library of user database access functions .....	346
getudbchain (see libudb) .....	Library of user database access functions .....	346
getudbdefault (see libudb) .....	Library of user database access functions .....	346
getudbnam (see libudb) .....	Library of user database access functions .....	346
getudbstat (see libudb) .....	Library of user database access functions .....	346
getudbmap (see libudb) .....	Library of user database access functions .....	346
getudbuid (see libudb) .....	Library of user database access functions .....	346
getusershell .....	Gets user shells .....	281
getut .....	Accesses utmp file entry .....	282
getutent (see getut) .....	Accesses utmp file entry .....	282
getutid (see getut) .....	Accesses utmp file entry .....	282
getutline (see getut) .....	Accesses utmp file entry .....	282
getw (seegetc) .....	Gets a character or word from a stream .....	221
getwc (seegetc) .....	Gets a character or word from a stream .....	221
getwchar (seegetc) .....	Gets a character or word from a stream .....	221
getwd .....	Gets current directory path name .....	285
gid2nam (see id2nam) .....	Maps IDs to names .....	310
gidnamfree (see id2nam) .....	Maps IDs to names .....	310
glob .....	Generates path names matching a pattern .....	286
globfree (see glob) .....	Generates path names matching a pattern .....	286
gmtime (see ctime) .....	Converts from and to various forms of time .....	129
gmtime_r (see ctime) .....	Converts from and to various forms of time .....	129
gsignal (see ssignal) .....	Generates software signals .....	638
hasmntopt (see getmntent) .....	Gets file system descriptor file entry or kernel mount table entry .....	247
hcreate (see hsearch) .....	Manages hash search tables .....	290
hdestroy (see hsearch) .....	Manages hash search tables .....	290
herror .....	Produces host lookup error messages .....	289
hostalias (see resolver) .....	Provides domain name service resolver functions .....	548
hsearch .....	Manages hash search tables .....	290
htonl (see byteorder) .....	Converts values between host and network byte order .....	92
htons (see byteorder) .....	Converts values between host and network byte order .....	92
hypot (see sqrt) .....	Determines the square root or hypotenuse of a value .....	636
ia_failure .....	Processes identification and authentication (I&A) failures .....	293
ia_mlsuser .....	Determines the user's mandatory access control (MAC) attributes .....	295
ia_success .....	Processes identification and authentication (I&A) successes .....	297
ia_user .....	Performs user identification and authentication (I&A) .....	298

iconv .....	Code conversion function .....	307
iconv_close (see iconv) .....	Code conversion function .....	307
iconv_open (see iconv) .....	Code conversion function .....	307
ICRITADD (see iselfadd) .....	Allows performance of <i>ivar = ivar+IVALUE</i> under the protection of a hardware semaphore .....	331
ICRITMUL (see iselfmul) .....	Allow performance of <i>ivar = ivar* IVALUE</i> under the protection of hardware semaphore .....	332
id2nam .....	Maps IDs to names .....	310
ieee_float .....	Introduction to the IEEE floating-point environment .....	312
IHPSTAT (see ihpstat) .....	Returns statistics about the heap .....	315
ihpstat .....	Returns statistics about the heap .....	315
index .....	Locates characters in string .....	316
inet .....	Manipulates Internet address .....	317
inet_addr (see inet) .....	Manipulates Internet address .....	317
inet_lnaof (see inet) .....	Manipulates Internet address .....	317
inet_makeaddr (see inet) .....	Manipulates Internet address .....	317
inet_netof (see inet) .....	Manipulates Internet address .....	317
inet_network (see inet) .....	Manipulates Internet address .....	317
inet_ntoa (see inet) .....	Manipulates Internet address .....	317
inet_subnetmaskof (see inet) .....	Manipulates Internet address .....	317
inet_subnetof (see inet) .....	Manipulates Internet address .....	317
initgroups .....	Initializes group access list .....	320
inter_lang .....	Introduction to interlanguage communications functions .....	321
intro .....	Introduction to the UNICOS C library .....	1
intro_libarray .....	Introduces the Array Services library (libarray) .....	13
i_o .....	Introduction to input/output functions .....	326
isalnum (see ctype) .....	Classifies character .....	133
isalpha (see ctype) .....	Classifies character .....	133
isascii (see ctype) .....	Classifies character .....	133
isatty (see ttyname) .....	Finds the name of a terminal .....	735
iscntrl (see ctype) .....	Classifies character .....	133
isdigit (see ctype) .....	Classifies character .....	133
ISELFADD (see iselfadd) .....	Allows performance of <i>ivar = ivar+IVALUE</i> under the protection of a hardware semaphore .....	331
iselfadd .....	Allows performance of <i>ivar = ivar+IVALUE</i> under the protection of a hardware semaphore .....	331
ISELFMUL (see iselfmul) .....	Allow performance of <i>ivar = ivar* IVALUE</i> under the protection of hardware semaphore .....	332
iselfmul .....	Allow performance of <i>ivar = ivar* IVALUE</i> under the protection of hardware semaphore .....	332
ISELFSCH (see iselfsch) .....	Allows performance of <i>ivar = ivar+1</i> under the protection of a hardware semaphore .....	333
iselfsch .....	Allows performance of <i>ivar = ivar+1</i> under the protection of a hardware semaphore .....	333
isenglish (see wctype) .....	Classifies wide characters .....	755
isfinite (see fpclassify) .....	Identifies its argument as NaN, infinite, normal, subnormal, or zero .....	207
isgraph (see ctype) .....	Classifies character .....	133
isgreater .....	Determines the relationship between two arguments .....	334
isgreaterequal (see isgreater) .....	Determines the relationship between two arguments .....	334
isideogram (see wctype) .....	Classifies wide characters .....	755
isless (see isgreater) .....	Determines the relationship between two arguments .....	334

islessequal (see isgreater)	Determines the relationship between two arguments	334
islessgreater (see isgreater)	Determines the relationship between two arguments	334
islower (see ctype)	Classifies character	133
isnan	Test for NaN	337
isnormal (see fpclassify)	Identifies its argument as NaN, infinite, normal, subnormal, or zero	207
isnumber (see wctype)	Classifies wide characters	755
iso_addr	Manipulates ISO/OSI address	338
iso_ntoa (see iso_addr)	Manipulates ISO/OSI address	338
isphonogram (see wctype)	Classifies wide characters	755
isprint (see ctype)	Classifies character	133
ispunct (see ctype)	Classifies character	133
isspace (see ctype)	Classifies character	133
isspecial (see isgreater)	Classifies wide characters	755
isunordered (see isgreater)	Determines the relationship between two arguments	334
isupper (see ctype)	Classifies character	133
iswalnum (see wctype)	Classifies wide characters	755
iswalpha (see wctype)	Classifies wide characters	755
iswcntrl (see wctype)	Classifies wide characters	755
iswctype (see wctype)	Classifies wide characters	755
iswdigit (see wctype)	Classifies wide characters	755
iswgraph (see wctype)	Classifies wide characters	755
iswlower (see wctype)	Classifies wide characters	755
iswprint (see wctype)	Classifies wide characters	755
iswpunct (see wctype)	Classifies wide characters	755
iswspace (see wctype)	Classifies wide characters	755
iswupper (see wctype)	Classifies wide characters	755
iswxdigit (see wctype)	Classifies wide characters	755
isxdigit (see ctype)	Classifies character	133
j0 (see bessel)	Returns Bessel functions	79
j1 (see bessel)	Returns Bessel functions	79
jn (see bessel)	Returns Bessel functions	79
rand48 (see drand48)	Generates uniformly distributed pseudo-random numbers	149
kerberos_rpc	Library routines for remote procedure calls that use Kerberos authentication	339
killpg	Sends signal to a process group	342
l3tol	Converts between 3-byte integers and long integers	343
l64a (see a64l)	Converts between long integer and base-64 ASCII string	8
labs (see abs)	Returns the integer or long integer absolute value	10
lcong48 (see drand48)	Generates uniformly distributed pseudo-random numbers	149
ldexp (see frexp)	Manipulates parts of floating-point numbers	214
ldexpf (see frexp)	Manipulates parts of floating-point numbers	214
ldexpl (see frexp)	Manipulates parts of floating-point numbers	214
ldiv (see div)	Computes integer or long integer quotient and remainder	147
lfind (see lsearch)	Performs a linear search and update	390
lgamma	Computes log gamma function	344
libudb	Library of user database access functions	346
limits.h	Library header for integral type limits	368
listmntent (see getmntent)	Gets file system descriptor file entry or kernel mount table entry	247
llabs (see abs)	Returns the integer or long integer absolute value	10
lldiv (see div)	Computes integer or long integer quotient and remainder	147
loaded	Tells whether soft external routine/data is loaded	371

loaded_data (see loaded)	Tells whether soft external routine/data is loaded	371
locale	Introduction to locale information functions	373
localeconv	Reports program's numeric formatting conventions	376
locale.h	Library header for locale information functions	377
localtime (see ctime)	Converts from and to various forms of time	129
localtime_r (see ctime)	Converts from and to various forms of time	129
LOCKASGN (see lockasgn)	Identifies an integer variable intended for use as a lock	378
lockasgn	Identifies an integer variable intended for use as a lock	378
lockf	Provides record locking on files	380
LOCKOFF (see lockoff)	Clears a lock and returns control to the calling task	383
lockoff	Clears a lock and returns control to the calling task	383
LOCKON (see lockon)	Sets a lock and returns control to the calling task	384
lockon	Sets a lock and returns control to the calling task	384
LOCKREL (see lockrel)	Releases the identifier assigned to a lock	385
lockrel	Releases the identifier assigned to a lock	385
LOCKTEST (see locktest)	Tests a lock to determine its state (locked or unlocked)	387
locktest	Tests a lock to determine its state (locked or unlocked)	387
lockudb (see libudb)	Library of user database access functions	346
log (see exp)	Determines exponential and logarithm values	168
log10 (see exp)	Determines exponential and logarithm values	168
log10f (see exp)	Determines exponential and logarithm values	168
log10l (see exp)	Determines exponential and logarithm values	168
logb	Returns the signed exponent of its argument	388
logbf (see logb)	Returns the signed exponent of its argument	388
logbl (see logb)	Returns the signed exponent of its argument	388
logf (see exp)	Determines exponential and logarithm values	168
logl (see exp)	Determines exponential and logarithm values	168
logname	Returns the login name of the user	389
longjmp (see setjmp)	Executes nonlocal goto	601
lrand48 (see drand48)	Generates uniformly distributed pseudo-random numbers	149
lsearch	Performs a linear search and update	390
_ltob (see _cptofcd)	Passes character strings and logical values between Standard C and Fortran	117
lto13 (see l3tol)	Converts between 3-byte integers and long integers	343
mallinfo (see malloc)	Memory management functions	392
malloc	Memory management functions	392
malloc_brk (see malloc)	Memory management functions	392
malloc_check (see malloc)	Memory management functions	392
malloc_dtrace (see malloc)	Memory management functions	392
malloc_error (see malloc)	Memory management functions	392
malloc_etrace (see malloc)	Memory management functions	392
malloc_expand (see malloc)	Memory management functions	392
malloc_extend (see malloc)	Memory management functions	392
malloc.h	Library header for memory allocation and management functions	399
malloc_howbig (see malloc)	Memory management functions	392
malloc_inplace (see malloc)	Memory management functions	392
malloc_isvalid (see malloc)	Memory management functions	392
malloc_limit (see malloc)	Memory management functions	392
malloc_space (see malloc)	Memory management functions	392
malloc_stats (see malloc)	Memory management functions	392
malloc_troff (see malloc)	Memory management functions	392

malloc_tron (see malloc)	Memory management functions	392
malloc (see malloc)	Memory management functions	392
math	Introduction to math functions	401
math.h	Library header for math functions	406
mbchar	Multibyte character handling	408
mblen (see mbchar)	Multibyte character handling	408
mbstowcs (see mbstring)	Multibyte string functions	410
mbstring	Multibyte string functions	410
mbtowc (see mbchar)	Multibyte character handling	408
memccpy (see memory)	Performs memory operations	412
memchr (see memory)	Performs memory operations	412
memcmp (see memory)	Performs memory operations	412
memcpy (see memory)	Performs memory operations	412
memmove (see memory)	Performs memory operations	412
memory	Performs memory operations	412
memory.h	Library header for string-handling functions	414
memset (see memory)	Performs memory operations	412
memstride (see memword)	Performs word-oriented memory operations	415
memwchr (see memword)	Performs word-oriented memory operations	415
memwcmp (see memword)	Performs word-oriented memory operations	415
memwcpy (see memword)	Performs word-oriented memory operations	415
memword	Performs word-oriented memory operations	415
memwset (see memword)	Performs word-oriented memory operations	415
message	Introduction to UNICOS message system functions	416
mktemp	Makes a unique file name	417
mktime	Converts local time to calendar time	418
mlalist	Obtains the list of mandatory access control (MAC) labels currently represented in a multilevel directory	419
mllname	Expands a multilevel symbolic link reference at an arbitrary mandatory access control (MAC) label	421
mlwalk	Walks the labeled subdirectories of a multilevel directory (MLD)	422
mls_create	Creates an opaque security label structure	424
mls_dominant	Performs a security label domination test	425
mls_equal	Performs a security label equality test	426
mls_export	Converts internal security label to text representation	427
mls_extract	Extracts label from an opaque security label structure	428
mls_free	Frees security label storage space	429
mls_glb	Computes the greatest lower bound	430
mls_import	Converts text security label to internal representation	431
mls_lub	Computes the least upper bound	432
modf (see frexp)	Manipulates parts of floating-point numbers	214
modff (see frexp)	Manipulates parts of floating-point numbers	214
modfl (see frexp)	Manipulates parts of floating-point numbers	214
rand48 (see drand48)	Generates uniformly distributed pseudo-random numbers	149
MTIMESCN (see mtimesx)	Returns multitasking overlap time	433
MTIMESUP (see mtimesx)	Returns multitasking overlap time	433
MTIMESX (see mtimesx)	Returns multitasking overlap time	433
mtimesx	Returns multitasking overlap time	433
MTTIMES (see mttimes)	Prints CPU timing information to stdout	435
mttimes	Prints CPU timing information to stdout	435
multic	Introduction to multitasking functions in C	436

multif .....	Introduction to multitasking routines .....	437
nam2acid (see id2nam) .....	Maps IDs to names .....	310
nam2gid (see id2nam) .....	Maps IDs to names .....	310
nam2uid (see id2nam) .....	Maps IDs to names .....	310
ndbm .....	Database subroutines .....	440
network .....	Introduction to the network access functions .....	443
nextafter .....	Returns the next value in the direction of the second argument .....	447
nextafterf (see nextafter) .....	Returns the next value in the direction of the second argument .....	447
nextafterl (see nextafter) .....	Returns the next value in the direction of the second argument .....	447
nextkey (see dbm) .....	Provides database subfunctions .....	141
nftw (see ftw) .....	Walks a file tree .....	219
nlimit .....	Provides an interface to setting or obtaining resource limit values .....	449
nlist .....	Gets entries from name list .....	453
nl_langinfo .....	Points to language information .....	454
NLOCKOFF (see nlockoff) .....	Clears a nested lock and returns control to the calling task .....	457
nlockoff .....	Clears a nested lock and returns control to the calling task .....	457
NLOCKON (see nlockon) .....	Sets a nested lock and returns control to the calling task .....	458
nlockon .....	Sets a nested lock and returns control to the calling task .....	458
nrnd48 (see drand48) .....	Generates uniformly distributed pseudo-random numbers .....	149
ntohl (see byteorder) .....	Converts values between host and network byte order .....	92
ntohs (see byteorder) .....	Converts values between host and network byte order .....	92
numeric_lim .....	Introduction to numerical limits headers .....	460
opendir (see directory) .....	Performs directory operations .....	144
openlog (see syslog) .....	Controls system log .....	696
optarg (see getopt) .....	Parses command options .....	256
opterr (see getopt) .....	Parses command options .....	256
optind (see getopt) .....	Parses command options .....	256
optopt (see getopt) .....	Parses command options .....	256
_pack .....	Packs or unpacks 8-bit bytes to/from Cray 64-bit words .....	461
parsetos (see gettos) .....	Gets network Type Of Service information .....	279
password .....	Introduction to password and security functions .....	463
pathname .....	Computes a true path name from a specified path .....	467
pclose (see popen) .....	Initiates a pipe to or from a process .....	473
perror .....	Generates system error messages .....	472
popen .....	Initiates a pipe to or from a process .....	473
pow .....	Raises the specified value to a given power .....	475
powf (see pow) .....	Raises the specified value to a given power .....	475
powl (see pow) .....	Raises the specified value to a given power .....	475
printf .....	Prints formatted output .....	477
priv_clear_file .....	Clears all privilege sets in a file privilege state .....	482
priv_clear_proc .....	Clears all privilege sets in a process privilege state .....	483
priv_dup_file .....	Creates a copy of a file privilege state .....	484
priv_dup_proc .....	Creates a copy of a process privilege state .....	485
priv_free_file .....	Deallocates file privilege state space .....	486
priv_free_proc .....	Deallocates process privilege state space .....	487
priv_get_fd .....	Gets the privilege state of a file .....	488
priv_get_file .....	Gets the privilege state of a file .....	489
priv_get_file_flag .....	Indicates the existence of a privilege in a file privilege set .....	490
priv_get_proc .....	Gets the privilege state of the calling process .....	491
priv_get_proc_flag .....	Indicates the existence of a privilege in a process privilege state .....	492
priv_init_file .....	Allocates space to hold a file privilege state .....	493

priv_init_proc .....	Allocates space to hold a process privilege state .....	494
priv_set_fd .....	Sets the privilege state of a file .....	495
priv_set_file .....	Sets the privilege state of a file .....	497
priv_set_file_flag .....	Adds or removes privileges of a file privilege set .....	499
priv_set_proc .....	Sets the privilege state of the calling process .....	500
priv_set_proc_flag .....	Adds or removes privileges of a process privilege state .....	501
prog_diag .....	Introduction to program diagnostics and error handling functions .....	502
pthread .....	Thread management .....	504
pthread_atfork .....	Register fork handlers .....	508
pthread_attr_destroy (see pthread) .....	Thread management .....	504
pthread_attr_getdetachstate (see pthread) .....	Thread management .....	504
pthread_attr_getstackaddr (see pthread) .....	Thread management .....	504
pthread_attr_getstacksize (see pthread) .....	Thread management .....	504
pthread_attr_init (see pthread) .....	Thread management .....	504
pthread_attr_setdetachstate (see pthread) .....	Thread management .....	504
pthread_attr_setstackaddr (see pthread) .....	Thread management .....	504
pthread_attr_setstacksize (see pthread) .....	Thread management .....	504
pthread_cond .....	Condition variables .....	509
pthread_condattr_destroy (see pthread_cond) .....	Condition variables .....	509
pthread_condattr_init (see pthread_cond) .....	Condition variables .....	509
pthread_cond_broadcast (see pthread_cond) .....	Condition variables .....	509
pthread_cond_destroy (see pthread_cond) .....	Condition variables .....	509
pthread_cond_init (see pthread_cond) .....	Condition variables .....	509
pthread_cond_signal (see pthread_cond) ..	Condition variables .....	509
pthread_cond_timedwait (see pthread_cond) .....	Condition variables .....	509
pthread_cond_wait (see pthread_cond) .....	Condition variables .....	509
pthread_create (see pthread) .....	Thread management .....	504
pthread_detach (see pthread) .....	Thread management .....	504
pthread_equal (see pthread) .....	Thread management .....	504
pthread_exit (see pthread) .....	Thread management .....	504
pthread_getspecific (see pthread_spec) ..	Thread-specific data .....	515
pthread_join (see pthread) .....	Thread management .....	504
pthread_key_create (see pthread_spec) ...	Thread-specific data .....	515
pthread_key_delete (see pthread_spec) ...	Thread-specific data .....	515
pthread_mutex .....	Mutual exclusion .....	512
pthread_mutexattr_destroy (see pthread_mutex) .....	Mutual exclusion .....	512
pthread_mutexattr_getkind_np (see pthread_mutex) .....	Mutual exclusion .....	512

pthread_mutexattr_init (see pthread_mutex) .....	Mutual exclusion .....	512
pthread_mutexattr_setkind_np (see pthread_mutex) .....	Mutual exclusion .....	512
pthread_mutex_destroy (see pthread_mutex) .....	Mutual exclusion .....	512
pthread_mutex_init (see pthread_mutex) ..	Mutual exclusion .....	512
pthread_mutex_lock (see pthread_mutex) ..	Mutual exclusion .....	512
pthread_mutex_trylock (see pthread_mutex) .....	Mutual exclusion .....	512
pthread_mutex_unlock (see pthread_mutex) .....	Mutual exclusion .....	512
pthread_once (see pthread) .....	Thread management .....	504
pthread_self (see pthread) .....	Thread management .....	504
pthread_setspecific (see pthread_spec) ..	Thread-specific data .....	515
pthread_spec .....	Thread-specific data .....	515
putc .....	Puts a character or word on a stream .....	517
putchar (see putc) .....	Puts a character or word on a stream .....	517
putchar_unlocked (see putc) .....	Puts a character or word on a stream .....	517
putc_unlocked (see putc) .....	Puts a character or word on a stream .....	517
putenv .....	Changes or adds value to the environment .....	519
putpwent .....	Writes password file entry .....	521
puts .....	Puts a string on a stream .....	522
pututline (see getut) .....	Accesses utmp file entry .....	282
putw (see putc) .....	Puts a character or word on a stream .....	517
putwc (see putc) .....	Puts a character or word on a stream .....	517
putwchar (see putc) .....	Puts a character or word on a stream .....	517
qsort .....	Performs sort .....	524
raise .....	Sends a signal to the executing program .....	526
rand .....	Generates pseudo-random integers .....	527
rand_r (see rand) .....	Generates pseudo-random integers .....	527
rcmd .....	Returns a stream to a remote command .....	528
rcmdexec .....	Returns a stream to a remote command .....	530
readdir (see directory) .....	Performs directory operations .....	144
readdir_r (see directory) .....	Performs directory operations .....	144
realloc (see malloc) .....	Memory management functions .....	392
re_comp .....	Matches regular expressions .....	531
re_exec (see re_comp) .....	Matches regular expressions .....	531
regcmp .....	Compiles and executes a regular expression .....	533
regcomp (see regex) .....	Regular-expression library .....	536
regerror (see regex) .....	Regular-expression library .....	536
regex (see regcmp) .....	Compiles and executes a regular expression .....	533
regexec .....	Regular-expression library .....	536
regexp.h .....	Library header for regular expression compile and match functions .....	540
regfree (see regex) .....	Regular-expression library .....	536
remainder .....	Divides its arguments and returns the remainder .....	544
remainderf (see remainder) .....	Divides its arguments and returns the remainder .....	544
remainderl (see remainder) .....	Divides its arguments and returns the remainder .....	544
remove .....	Removes files .....	545
rename .....	Renames a file .....	546
res_init (see resolver) .....	Provides domain name service resolver functions .....	548

res_mkquery (see resolver)	Provides domain name service resolver functions	548
resolver	Provides domain name service resolver functions	548
res_query (see resolver)	Provides domain name service resolver functions	548
res_querydomain (see resolver)	Provides domain name service resolver functions	548
res_search (see resolver)	Provides domain name service resolver functions	548
res_send (see resolver)	Provides domain name service resolver functions	548
rewind (see fseek)	Repositions a file pointer in a stream	216
rewinddir (see directory)	Performs directory operations	144
rewriteudb (see libudb)	Library of user database access functions	346
rexec	Returns a stream to a remote command	551
rindex (see index)	Locates characters in string	316
rint	Rounds arguments to an integral value in floating-point format	553
rintf (see rint)	Rounds arguments to an integral value in floating-point format	553
rintl (see rint)	Rounds arguments to an integral value in floating-point format	553
rinttol	Rounds a floating-point number to a long integer value	554
rpc	Makes a remote procedure call	555
rresvport (see rcmd)	Returns a stream to a remote command	528
rtclock	Gets current real-time clock (RTC) reading	558
ruserok (see rcmd)	Returns a stream to a remote command	528
SAMEQU (see samequ)	Specifies equivalent character in Sort/Merge session	559
samequ	Specifies equivalent character in Sort/Merge session	559
SAMFILE (see samfile)	Defines subroutines for Sort/Merge operations	560
samfile	Defines subroutines for Sort/Merge operations	560
SAMGO (see samgo)	Initiate a Sort/Merge session	563
samgo	Initiate a Sort/Merge session	563
SAMKEY (see samkey)	Defines sort keys for a Sort/Merge session	564
samkey	Defines sort keys for a Sort/Merge session	564
SAMMERGE (see samsort)	Begins a Sort/Merge specification	575
SAMOPT (see samopt)	Specifies sort options used in a Sort/Merge session	567
samopt	Specifies sort options used in a Sort/Merge session	567
SAMPATH (see sampath)	Defines input and output files and characteristics for a Sort/Merge session	568
sampath	Defines input and output files and characteristics for a Sort/Merge session	568
SAMSEQ (see samseq)	Specifies and defines a collating sequence	572
samseq	Specifies and defines a collating sequence	572
SAMSIZE (see samsize)	Specifies word and character sizes for Sort/Merge session	574
samsize	Specifies word and character sizes for Sort/Merge session	574
SAMSORT (see samsort)	Begins a Sort/Merge specification	575
samsort	Begins a Sort/Merge specification	575
SAMTUNE (see samtune)	Modifies selected parameters used in a Sort/Merge session	577
samtune	Modifies selected parameters used in a Sort/Merge session	577
scalb	Computes	579
scalbf (see scalb)	Computes	579
scalbl (see scalb)	Computes	579
scandir	Scans a directory	580
scanf	Converts formatted input	582
SDSALLOC (see sdsalloc)	Secondary data segment (SDS) management routines	587
sdsalloc	Secondary data segment (SDS) management routines	587
SDSFREE (see sdsalloc)	Secondary data segment (SDS) management routines	587
sdsfree (see sdsalloc)	Secondary data segment (SDS) management routines	587

SDSINFO (see sdsalloc) .....	Secondary data segment (SDS) management routines .....	587
sdsinfo (see sdsalloc) .....	Secondary data segment (SDS) management routines .....	587
SDSREALC (see sdsalloc) .....	Secondary data segment (SDS) management routines .....	587
sdsrealloc (see sdsalloc) .....	Secondary data segment (SDS) management routines .....	587
secbits (see secnames) .....	Converts security classification bit patterns or numbers to strings and vice versa .....	593
secnames .....	Converts security classification bit patterns or numbers to strings and vice versa .....	593
secnums (see secnames) .....	Converts security classification bit patterns or numbers to strings and vice versa .....	593
security .....	Introduction to security functions .....	595
secwords (see secnames) .....	Converts security classification bit patterns or numbers to strings and vice versa .....	593
seed48 (see drand48) .....	Generates uniformly distributed pseudo-random numbers .....	149
seekdir (see directory) .....	Performs directory operations .....	144
setbuf .....	Assigns buffering to a stream .....	597
setdomainname (see getdomain) .....	Gets or sets name of current domain .....	230
setenv .....	Sets or removes the value of an environment variable .....	599
setfsent (see getfsent) .....	Gets file system descriptor file entry .....	235
setgrent (see getgrent) .....	Gets group file entry .....	237
sethostent (see gethost) .....	Gets a network host entry .....	239
sethostlookup (see gethost) .....	Gets a network host entry .....	239
set_jump .....	Introduction to nonlocal jump functions .....	600
setjmp .....	Executes nonlocal goto .....	601
setjmp.h .....	Library header for nonlocal jump functions .....	603
setkey (see crypt) .....	Generates DES encryption .....	126
setlocale .....	Selects program's locale .....	604
setloghost (see syslog) .....	Controls system log .....	696
setlogmask (see syslog) .....	Controls system log .....	696
setlogport (see syslog) .....	Controls system log .....	696
setmntent (see getmntent) .....	Gets file system descriptor file entry or kernel mount table entry .....	247
setnetent (see getnet) .....	Gets network entry .....	254
setprotoent (see getprot) .....	Gets protocol entry .....	267
setpwent (see getpwent) .....	Gets password file entry .....	270
setrpcent (see getrcent) .....	Gets remote procedure call entry .....	273
setservent (see getserv) .....	Gets service entry .....	277
setsocket (see gettos) .....	Gets network Type Of Service information .....	279
setudb (see libudb) .....	Library of user database access functions .....	346
setudbdefault (see libudb) .....	Library of user database access functions .....	346
setudbpath (see libudb) .....	Library of user database access functions .....	346
setudbmap (see libudb) .....	Library of user database access functions .....	346
setusershell (see getusershell) .....	Gets user shells .....	281
setutent (see getut) .....	Accesses utmp file entry .....	282
setvbuf (see setbuf) .....	Assigns buffering to a stream .....	597
SHFREE (see shmalloc) .....	Shared pointer intrinsics .....	609
shfree (see shmalloc) .....	Shared heap memory management functions .....	606
shfree_nb (see shmalloc) .....	Shared heap memory management functions .....	606
SHLOC (see shmalloc) .....	Shared pointer intrinsics .....	609
SHMALLOC (see shmalloc) .....	Shared pointer intrinsics .....	609
shmalloc .....	Shared heap memory management functions .....	606
shmalloc .....	Shared pointer intrinsics .....	609

shmalloc_check (see shmalloc) .....	Shared heap memory management functions .....	606
shmalloc_nb (see shmalloc) .....	Shared heap memory management functions .....	606
shmalloc_stats (see shmalloc) .....	Shared heap memory management functions .....	606
SHPALLOC (see shpalloc) .....	Allocates a block of memory from the shared heap .....	611
shpalloc .....	Allocates a block of memory from the shared heap .....	611
SHPCLMOVE (see shpclmove) .....	Extends a shared heap block or copies the contents of the block into a larger block .....	612
shpclmove .....	Extends a shared heap block or copies the contents of the block into a larger block .....	612
SHPDEALLC (see shpdeallc) .....	Returns a shared memory block of memory to the shared heap .....	613
shpdeallc .....	Returns a shared memory block of memory to the shared heap .....	613
shrealloc (see shmalloc) .....	Shared heap memory management functions .....	606
shrealloc_nb (see shmalloc) .....	Shared heap memory management functions .....	606
shutdsav .....	Sets up calling program to be checkpointed on system shutdown .....	614
sigaddset (see sigsetops) .....	Manipulates signal sets .....	626
sigdelset (see sigsetops) .....	Manipulates signal sets .....	626
sigemptyset (see sigsetops) .....	Manipulates signal sets .....	626
sigfillset (see sigsetops) .....	Manipulates signal sets .....	626
sig_han .....	Introduction to signal-handling functions .....	616
sigismember (see sigsetops) .....	Manipulates signal sets .....	626
siglongjmp (see setjmp) .....	Executes nonlocal goto .....	601
signal .....	Handles signals .....	617
signal.h .....	Library header for signal-handling functions .....	619
signbit .....	Determines if the sign of its argument is negative .....	624
signgam (see lgamma) .....	Computes log gamma function .....	344
sigoff .....	Controls signal-catching status .....	625
sigon (see sigoff) .....	Controls signal-catching status .....	625
sigsetjmp (see setjmp) .....	Executes nonlocal goto .....	601
sigsetops .....	Manipulates signal sets .....	626
sigwait .....	Synchronous signal handling .....	628
sin .....	Determines the sine, cosine, or tangent of a value .....	629
sinf (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
sinh .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
sinhf (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
sinhl (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
sinl (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
sitelocal_start (see start) .....	Common start-up routine for programs, user exit for start-up .....	640
sleep .....	Suspends execution for a specified interval .....	633
slgtrust .....	Writes trusted process security log record .....	634
slgtrustobj (see slgtrust) .....	Writes trusted process security log record .....	634
snprintf (see printf) .....	Prints formatted output .....	477
sort .....	Introduction to sort/merge routines .....	635
sprintf (see printf) .....	Prints formatted output .....	477
sqrt .....	Determines the square root or hypotenuse of a value .....	636
sqrtf (see sqrt) .....	Determines the square root or hypotenuse of a value .....	636
sqrtl (see sqrt) .....	Determines the square root or hypotenuse of a value .....	636
srand (see rand) .....	Generates pseudo-random integers .....	527
srand48 (see drand48) .....	Generates uniformly distributed pseudo-random numbers .....	149
sscanf (see scanf) .....	Converts formatted input .....	582
ssignal .....	Generates software signals .....	638
STACKSZ (see stkstat) .....	Reports stack statistics .....	653

start .....	Common start-up routine for programs, user exit for start-up .....	640
stdarg.h .....	Library header for variable arguments .....	642
stddef.h .....	Library header for common definitions .....	645
stdio.h .....	Library header for input and output functions .....	647
stdipc .....	Standard interprocess communication (IPC) package .....	649
stdlib.h .....	Library header for general utility functions .....	651
STKSTAT (see stkstat) .....	Reports stack statistics .....	653
stkstat .....	Reports stack statistics .....	653
store (see dbm) .....	Provides database subfunctions .....	141
strcasecmp .....	Performs case-insensitive string comparison .....	654
strcat (see string) .....	Performs string operations .....	665
strchr (see string) .....	Performs string operations .....	665
strcmp (see string) .....	Performs string operations .....	665
strcoll (see string) .....	Performs string operations .....	665
strcpy (see string) .....	Performs string operations .....	665
strcspn (see string) .....	Performs string operations .....	665
strdup (see string) .....	Performs string operations .....	665
strerror (see string) .....	Performs string operations .....	665
strfmon .....	Converts a monetary value to a string .....	655
strftime .....	Formats time information in a character string .....	659
str_han .....	Introduction to string-handling functions .....	663
string .....	Performs string operations .....	665
string.h .....	Library header file for string-handling functions .....	670
strings.h .....	Library header file for string-handling functions .....	671
strlen (see string) .....	Performs string operations .....	665
strncasecmp (see strcasecmp) .....	Performs case-insensitive string comparison .....	654
strncat (see string) .....	Performs string operations .....	665
strncmp (see string) .....	Performs string operations .....	665
strncpy (see string) .....	Performs string operations .....	665
strnrstrn (see string) .....	Performs string operations .....	665
strnstrn (see string) .....	Performs string operations .....	665
strpbrk (see string) .....	Performs string operations .....	665
strptime .....	Date and time conversion .....	672
strrchr (see string) .....	Performs string operations .....	665
strrstr (see string) .....	Performs string operations .....	665
strspn (see string) .....	Performs string operations .....	665
strstr (see string) .....	Performs string operations .....	665
strtod .....	Converts string to double, long double, or float .....	675
strtof (see strtod) .....	Converts string to double, long double, or float .....	675
strtok (see string) .....	Performs string operations .....	665
strtok_r (see string) .....	Performs string operations .....	665
strtol .....	Converts string to integer .....	677
strtold (see strtod) .....	Converts string to double, long double, or float .....	675
strtoll (see strtol) .....	Converts string to integer .....	677
strtoul (see strtol) .....	Converts string to integer .....	677
strtoull (see strtol) .....	Converts string to integer .....	677
strxfrm (see string) .....	Performs string operations .....	665
svc_kerb_reg (see kerberos_rpc) .....	Library routines for remote procedure calls that use Kerberos authentication .....	339
swab .....	Swaps bytes .....	680
sysctl .....	Gets or sets system information .....	681

sys_errlist (see perror) .....	Generates system error messages .....	472
syslog .....	Controls system log .....	696
sys_nerr (see perror) .....	Generates system error messages .....	472
system .....	Passes string to host for execution .....	699
sys_types.h .....	Library header for system type definitions .....	700
tan (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
tanf (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
tanh (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
tanhf (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
tanh1 (see sinh) .....	Determines hyperbolic sine, cosine, or tangent of value .....	631
tan1 (see sin) .....	Determines the sine, cosine, or tangent of a value .....	629
tcdrain (see tcsetattr) .....	Performs terminal control functions .....	704
tcflow (see tcsetattr) .....	Performs terminal control functions .....	704
tcflush (see tcsetattr) .....	Performs terminal control functions .....	704
tcgetattr .....	Gets or sets terminal attributes .....	701
tcgetpgrp .....	Gets or sets terminal foreground process group ID .....	702
tcsetattr .....	Performs terminal control functions .....	704
tcsetattr (see tcgetattr) .....	Gets or sets terminal attributes .....	701
tcsetpgrp (see tcgetpgrp) .....	Gets or sets terminal foreground process group ID .....	702
tdelete (see tsearch) .....	Manages binary search trees .....	721
telldir (see directory) .....	Performs directory operations .....	144
tempnam (see tmpnam) .....	Creates a name for a temporary file .....	717
terminal .....	Introduction to terminal screen functions .....	706
t_exit .....	Exits multitasking process .....	708
tfind (see tsearch) .....	Manages binary search trees .....	721
t_fork (see tfork) .....	Creates a multitasking sibling .....	709
tfork .....	Creates a multitasking sibling .....	709
t_gettid (see tid) .....	Return task IDs .....	710
t_id (see tid) .....	Return task IDs .....	710
tid .....	Return task IDs .....	710
time .....	Determines the current calendar time .....	711
time.h .....	Library header for date and time functions .....	712
timezone (see ctime) .....	Converts from and to various forms of time .....	129
t_lock (see tlock) .....	Lock routines for multitasking .....	714
tlock .....	Lock routines for multitasking .....	714
tmpfile .....	Creates a temporary binary file .....	716
tmpnam .....	Creates a name for a temporary file .....	717
t_nlock (see tlock) .....	Lock routines for multitasking .....	714
t_nunlock (see tlock) .....	Lock routines for multitasking .....	714
toascii (see conv) .....	Translates characters .....	114
_tolower (see conv) .....	Translates characters .....	114
tolower (see conv) .....	Translates characters .....	114
_toupper (see conv) .....	Translates characters .....	114
toupper (see conv) .....	Translates characters .....	114
towlower (see wconv) .....	Translates wide-characters .....	754
towupper (see wconv) .....	Translates wide-characters .....	754
tracebk .....	Prints a traceback .....	719
truncate (see ftruncate) .....	Truncates a file to a specified length .....	218
tsearch .....	Manages binary search trees .....	721
TSKLIST (see tsklist) .....	Lists the status of each existing task .....	725
tsklist .....	Lists the status of each existing task .....	725

TSKSTART (see tskstart)	Initiates a task	726
tskstart	Initiates a task	726
TSKTEST (see tsktest)	Returns a value indicating whether the indicated task exists	729
tsktest	Returns a value indicating whether the indicated task exists	729
TSKTUNE (see tsktune)	Modifies tuning parameters within the library scheduler	730
tsktune	Modifies tuning parameters within the library scheduler	730
TSKVALUE (see tskvalue)	Retrieves user identifier specified in task control array	732
tskvalue	Retrieves user identifier specified in task control array	732
TSKWAIT (see tsawait)	Waits for the indicated task to complete execution	733
tsawait	Waits for the indicated task to complete execution	733
t_testlock (see tlock)	Lock routines for multitasking	714
t_tid (see tid)	Return task IDs	710
ttyname	Finds the name of a terminal	735
ttyname_r (see ttyname)	Finds the name of a terminal	735
t_unlock (see tlock)	Lock routines for multitasking	714
twalk (see tsearch)	Manages binary search trees	721
tzname (see ctime)	Converts from and to various forms of time	129
tzset (see ctime)	Converts from and to various forms of time	129
udbisopen (see libudb)	Library of user database access functions	346
uid2nam (see id2nam)	Maps IDs to names	310
ungetc	Pushes a character back into the input stream	737
ungetc (see ungetc)	Pushes a character back into the input stream	737
unlockudb (see libudb)	Library of user database access functions	346
_unpack (see _pack)	Packs or unpacks 8-bit bytes to/from Cray 64-bit words	461
unsetenv (see setenv)	Sets or removes the value of an environment variable	599
utilities	Introduction to general utility functions	739
utimes	Sets file times	744
utmpname (see getut)	Accesses utmp file entry	282
values.h	Library header for machine-dependent values	745
var_arg	Introduction to variable argument functions	747
varargs.h	Library header for variable arguments	748
vfprintf (see vprintf)	Prints formatted output of a varargs argument list	751
vprintf	Prints formatted output of a varargs argument list	751
vsnprintf (see vprintf)	Prints formatted output of a varargs argument list	751
vsprintf (see vprintf)	Prints formatted output of a varargs argument list	751
wconv	Translates wide-characters	754
wscat (see wstring)	Performs wide-character string operations	762
wchr (see wstring)	Performs wide-character string operations	762
wscmp (see wstring)	Performs wide-character string operations	762
wscoll (see wstring)	Performs wide-character string operations	762
wscopy (see wstring)	Performs wide-character string operations	762
wcscspn (see wstring)	Performs wide-character string operations	762
wcsftime (see strftime)	Formats time information in a character string	659
wcslen (see wstring)	Performs wide-character string operations	762
wcscat (see wstring)	Performs wide-character string operations	762
wcscmp (see wstring)	Performs wide-character string operations	762
wcscopy (see wstring)	Performs wide-character string operations	762
wcspbrk (see wstring)	Performs wide-character string operations	762
wcsrchr (see wstring)	Performs wide-character string operations	762
wcsspn (see wstring)	Performs wide-character string operations	762
wctod (see strtod)	Converts string to double, long double, or float	675

wcstok (see wstring) .....	Performs wide-character string operations .....	762
wcstol (see strtol) .....	Converts string to integer .....	677
wcstoll (see strtol) .....	Converts string to integer .....	677
wcstombs (see mbstring) .....	Multibyte string functions .....	410
wcstoul (see strtol) .....	Converts string to integer .....	677
wcstoull (see strtol) .....	Converts string to integer .....	677
wcswcs (see wstring) .....	Performs wide-character string operations .....	762
wcsxfrm (see wstring) .....	Performs wide-character string operations .....	762
wctomb (see mbchar) .....	Multibyte character handling .....	408
wctype .....	Classifies wide characters .....	755
wcwidth .....	Number of column positions of a wide-character code .....	758
wordexp .....	Performs word expansions .....	759
wordfree (see wordexp) .....	Performs word expansions .....	759
wstring .....	Performs wide-character string operations .....	762
XCRITADD (see xselfadd) .....	Allows performance of $xvar = xvar + xvalue$ under the protection of a hardware semaphore .....	769
XCRITMUL (see xselfmul) .....	Allows performance of $xvar = xvar * XVALUE$ under the protection of a hardware semaphore .....	770
xdr .....	Achieves machine-independent data transformation .....	766
Xlib (see xlib) .....	C language X Window System interface library .....	768
xlib .....	C language X Window System interface library .....	768
XSELFADD (see xselfadd) .....	Allows performance of $xvar = xvar + xvalue$ under the protection of a hardware semaphore .....	769
xselfadd .....	Allows performance of $xvar = xvar + xvalue$ under the protection of a hardware semaphore .....	769
XSELMUL (see xselfmul) .....	Allows performance of $xvar = xvar * XVALUE$ under the protection of a hardware semaphore .....	770
xselfmul .....	Allows performance of $xvar = xvar * XVALUE$ under the protection of a hardware semaphore .....	770
y0 (see bessel) .....	Returns Bessel functions .....	79
y1 (see bessel) .....	Returns Bessel functions .....	79
yn (see bessel) .....	Returns Bessel functions .....	79
yp_all (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_bind (see ypclnt) .....	Network information service (NIS) client interface .....	771
ypclnt .....	Network information service (NIS) client interface .....	771
yperr_string (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_first (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_get_default_domain (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_master (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_match (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_next (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_order (see ypclnt) .....	Network information service (NIS) client interface .....	771
ypprot_err (see ypclnt) .....	Network information service (NIS) client interface .....	771
yp_unbind (see ypclnt) .....	Network information service (NIS) client interface .....	771
zeroudbstat (see libudb) .....	Library of user database access functions .....	346