# Ridge Software Bulletin January 20, 1987

## 1. Introduction

The primary purpose of this software bulletin is to keep you current on the status of software problem reports you, and others, have submitted to Ridge Computers. Information on software and hardware maintenance is also included in the bulletin.

When a customer discovers a software or documentation problem, or thinks of an enhancement request, he or she should fill out a Software Problem Report form and mail it to Ridge. This ensures proper verification and tracking of the report. Once the report is received at Ridge and the problem is verified, an SMR number is assigned for tracking purposes. We do not guarantee that problems not received in written form will be given an SMR number.

## 2. SMRs

The following pages are an alphabetical index of SMR's, listing the name of the program, a short description of the problem, and the SMR number that has been assigned to the problem. Following the index is a numerical listing of a longer description of each SMR, the status of the SMR, and possibly an analysis and solution of the problem, if applicable. You may want to keep this listing for reference until you get the next bulletin.

Some of the categories in the longer description of SMR's are described here:

- ROS Version: the version running on the system where the problem was noticed.
- The status and target release columns work together as follows:

Status	Target Release	Meaning
open	blank/date	open, possibly with fix goal
open	unknown	under review
closed	date	problem solved with fix date set

PROGRAM	SMR #	DESCRIPTION
	902	opened fifo for read should hang open until fifo is opened for write
	953	power cycle the UB box causes problems
	972	removing files from /ros
	1168	Signals received by process at higher
	1202	priority than UM while in system call 4.2 curses.h is broken on 'ridge'
	1203	port 4.2 libcurses and libtermcap
	1347	files having 339 extents never get more when attempting to append to file
	1587	output of sdiff piped through page never terminates
	1614	update world to ROS 3.4
	1634	added new backup scripts for ros 3.4
	1683	UM hangs while waiting for close to com- plete. Hangs daemons when LP runs out of
	1689	/usr/include/pas/{a.out.h,stdio.h} use bad path for include files
	1690	blanket smr for ROS 3.4 update #2 changes
	1804	network error message on console
/etc/link	1655	do not recursively link directories
/etc/magic	1475	add 'netnews compressed batch' and 'pack(1) compressed file' magic numbers
/etc/profile	1110	a line in /etc/profile is incorrect
/etc/rc	1508	inconsistent example in LAN User's Guide
/etc/rc.inet	1778	unnecessary parameter to ifconfig
1G utilities	1834	the 1G commands are not on helix
4.2 dump	1553	request the 4.2 dump/restore and rdump/rrestore utilities be ported
4.2 include	884	/usr/4.2/include/utmp.h is bad

PROGRAM	SMR #	DESCRIPTION
4.2 libc	1576	ftruncate missing from the library
4.2 open	1514	open does the opposite of what it would do on a 4.2BSD system
C	451	C optimizer does not handle code gener- ated by asm statement properly
с	1466	C compiler should allow static initialization of unions
CIO download	1708	Release 8086 source code for CIO firmware.
DoSignal	877	DoSignal gets called one too many times for each delivered signal
Drll Graphics	1539	DR-11 Graphics are slower on ROS 3.3u3 than they were on ROS 3.3p2
GH compilers	1494	generated asm code should be more readable
Lisp, Prolog	1540	When Lisp and Prolog are in the debugger the entire system is slugish
Record Locking	1185	Added record locking to the system.
SUS	1633	Added modules for CIO
UUCP	1542	UUCP slows down the system when it runs
Volume Mgr	1607	Performance enhancements to volmgr
af	1647	prints an unnecessary error message
all networking	1617	ns runs out of Q-seg pages
apropos	1580	appropriate is misspelled!
apropos	1671	section 2A subjects are listed with apropos, but there are no man pages
ar	1546	o option of ar does not work properly

PROGRAM	SMR #	DESCRIPTION
as	1499	The 'p' suffix to load instructions does not generate code relative loads
as	1656	as should use user's umask setting to modify object file modes
as	1693	converted 'as' to compile and run under rp.
as	1735	8 character output file names get mangled by 'as'
as	1751	as produces listfile with truncated name
as "	1761	'as' should generate legal nop-type instructions when it aligns in code sec
assembler	1552	make # an acceptable comment sign for the assembler
at	1560	manual confusing on how to set-up global usage with at & cron
at/batch	1164	modify at/batch to work with csh scripts
awk	1481	The simple awk action command "{print \$1}" does not work.
awk/strip	1486	stripping 'awk' fixed it!
backup stuff	1741	'sulog' is created automatically
cal	1208	Sys V rel2 cal should print current mon. w/no arg given, ROS doesn't.
cat	994	terminal hangs with ' cat'
cc	1125	-a option of cc doesn't work
cc	1479	An unsigned mod immediately following an unsigned divide generates bad code.
cc	1480	rc and cc don't generate the same code
cc	1506	parameters that are structures less than 4 bytes long are addressed incorrectly
cc	1534	printf acts strangely when using shared code and data
cd	1198	cd 'pwd' fails

PROGRAM	SMR #	DESCRIPTION
chown	1175	chown system call allows 4.2bsd clients to give away files
cio debugger	1631	first release
cioct	1598	added to system
cioct	1706	<pre>dd &lt; /dev/null &gt; /dev/nct0 doesn't creat a blank file on the ct</pre>
cioct	1824	cat binary file, piped to tee and dd
cioct	1862	produces i/o error can't give commands to ct to quickly or you get an error
ciolp	1610	addition of ciolp
ciomem.h	1611	added include file for cio drivers
ciotty	1594	added new CIOTTY driver for ROS 3.4
ciotty	1658	enhanced performance for terminal driver and driver interface library
ciotty	1764	ciotty pseudos can't be a middle man
ciotty driver	1782	cannot use telnet from pc emulator
ciotty driver	1783	stty modes are not set correctly when using network from cio machine
config	1763	Enet only boards should not have an entry for downloading of code.
cpio	1630	request a more graceful exit from cpio
cpio	1659	upon error cpio loops
срр	1685	<pre>rc cannot handle = or &gt; in define statement</pre>
cron	1501	This is a code fix to cron.n suggested by AT&T. Certain job entries won't run.
cron	1547	cron doesn't retain shell environment variables like path or tz
cron	1664	cron vanishes and forgets tasks

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PROGRAM	SMR #	DESCRIPTION
crt0.o	1176	Fortran programs always set status to 64
crypt	1190	crypt < file   page puts terminal in an unsane state
csh	1162	echo should understand backslash escapes
csh	1174	of /bin/echo command csh manual says stty commands can be in
		.login file, window mgr objects
csh	1467	csh should execute /etc/login file
csh	1672	csh nice & csh nice +number do not work
csh	1832	properly certain commands give error messages
0.511	1052	when run on csh
	1599	
ct	1399	new program
~ <del>~ ~ ~ *</del>	1 ( 0 0	
ctcat	1600	added to system •
ctcat	1707	tape is bad if a non-exsistent filename
		is given to ctcat to write to tape
ctcat.h	1601	added to system
ctio.h	1602	added to system
cu	986	typing "n% take filename" and backspace
cu	1024	causes every other char. to be erased. cating executable files during cu resets
cu	1024	terminal state
cu	1068	recompile cu with the ddt flag turned off
cu	1520	~b does not generate a long enough break
		for a cray
cu	1522	need to document lock files in cu(1) man page
cu	1616	please lengthen the cu break
cu	1856	output diversion to a file doesn't work
<u>u</u>	1000	subst atteration to a title doesn't work
aut or	1179	aut or doos not convert the termoon arts
cut.ex	11/9	cut.ex does not convert the termcap entr for the 'bitgraph' correctly
- -	1 4 6 5	
cxref	1485	cxref has limitations which cause it to fail

PROGRAM	SMR #	DESCRIPTION
cxref	1640	cxref truncates #defines greater than 8 characters
date	1062	setting date backward causes time calculations to break
dbx	785	dbx STEP into a C function from FORTRAN does not work
dbx	787	override dbx range checking for FORTRAN
dbx	937	should be able to print array slices in dbx
dbx	938	would like to be able to set trace on several expressions
dbx	1191	dbx gets confused after it has been sus- pended with ^z
dbx	1478	enumerated types don't print out
dbx	1482	properly Striking DEL while using dbx causes trashed output.
dbx	1545	under dbx, system(3) calls are not
dbx	1558	executed dbx gets an internal error trying to print double complex variables
dbx	1559	dbx may print an integer value for a
dbx	1574	char variable, instead of the character change the way list works
dbx	1575	should be able to save dbx session in a file
dbx	1578	prints out exponential value incorrectly
dbx	1579	resetting a value in dbx gives internal alignment error
dbx	1623	dbx sometimes loses track of breakpoints
dbx	1641	dbx prints stored, opcode b8, as an indexed stored. it isn't indexed!
dbx	1675	dbx refuses to recognize fortran source code w/ file extension other than .f
dbx	1694	update dbx to be compatable with stabs generated by the version 1.9 compilers
dbx	1732	fortran double precision variables only show 6 significant digits, should be 14
dbx	1733	can't print/use do loop variables
dbx	1734	can't pass ! as parameter to program being debugged
dbx	1853	please make dbx capable of printing out small float values
debug	1099	debug no longer saves terminal modes

PROGRAM	SMR #	DESCRIPTION
debug	1417	provide a 'how did I get here' command in debug
debug	1511	debug should treat INTR and EOF, and use terminate signal as KILL PROCESS
debug	1521	debug of multiple processes confuses which process a breakpoint is in
debug	1648	debug prints opcode b8 (stored) as indexed when it's not indexed
deroff	1555	deroff goes into debug if input contains very long lines
deroff	1829	deroff goes into debug with ill mem ref with certain example
disp	1588	new disp for 3.4
disp	1642	Select and CBREAK are not working
disp	1784	Need ability to query screen color from command level and programatically
disp driver	815	display driver doesn't properly emulate all BSD 4.2 terminal functions
dr11/display	1589	new drll drivers for ROS 3.4: metheus, rastertech, lexidata
driverMsgs.h	1596	modifications to driverMsgs.h header file for ROS 3.4 libdriver.a
driverconf.h	1595	created driverconf.h header file for use with libdriver.a
drivers/daemon	s 1697	remote users can get awful performance
dup	1060	if any error ocurrs, FDLP warning: dup err=XX prints out.
dwb	1066	desire troff output on a ridge display
dwhet	1749	Adding dwhet to systest.
echo	1807	-n option doesn't work with Bourne shell
emacs	1452	start shell in buffer command doesn't
emacs	1453	work Query replace & search string problem.

PROGRAM	SMR #	DESCRIPTION
emacs	1454	View syntax table output format truncate s the display.
emacs	1455	Keyboard macro does not continue executi ng after recursive edit.
emacs	1456	Keyboard macros should be expandable to Elisp language.
emacs	1477	emacs seems to not reset the terminal back to the original state
emacs	1795	emacs doesn't work at 19.2
emulex.mt01.h	1605	added to the system
env	1107	env mishandles first (or only) assignment
eqn	1646	veritical motion on subscripts is done incorrectly
exec	1047	<pre>exec system call should recognize the syntax '#! /bin/csh'</pre>
exec (2)	1728	<pre>putting a # in a csh script should make it work with sh, but doesn't</pre>
£77	1651	example program gives different results with or without optimizer
fcntl	791	fcntl requests to get modes of file or pipe may not work
fcntl	1736	value returned upon successful completion is vague
fdlp	1009	cat to /dev/clp
fdlp	1018	removing a floppy file
fdlp	1019	removing a floppy file
fdlp	1497	cu intercepts ^0
fdlp	1687	cbreak output mode incorrect
fdlp driver	1637	system slows because fdlp driver cannot handle a lot of data from mouse
fifo	1838	write-only open of fifo does not delay returning until another process reads

PROGRAM	SMR #	DESCRIPTION
file	1695	file doesn't recognize certain magic numbers
floppy	170	should be able to treat floppy like a mounted volume
floppy	1063	if floppy is exactly full and data is catted to it, the data is destroyed
flush(3f)	1717	flush(3f) not documented
ftp	1660	multi-line replies from apollo cause us to get out of sync
ftp	1696	login prompt is wrong for remote users
ftp	1790	ftp put doesn't work
ftp	1796	telnet to a vms system and then ftp back
ftp	1798	to ridge doesn't always work would like to be able to turn verbose mode off
ftp	1808	ftp doesn't support autologin with .netrc file
ftp	1814	the ftp entries in /etc/wtmp are not done properly
ftp	1815	/etc/nologin file does not keep ftp users from loggin in
ftp	1827	ftp hangs when interface is reset
ftp	1841	doing a get into the root directory causes bizarre behavior
ftp	1842	binary and ascii commands don't always work
ftp	1843	ftp get to a directory or inaccessible file causes ftp & ftpd to be out of sync
ftp	1854	misspelling the directory name in the dir command puts ftp in funny state
ftpd	920	ftpd dies
getpgrp	1518	getpgrp doesn't exist in system V libc
getty	1825	getty does not correctly calculate baud rate when terminal power is cycled
h files	1681	consolidate 4.2 includes and ns includes

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PROGRAM	SMR #	DESCRIPTION
ifconfig	1777	ifconfig doesn't take flags on first iteration with interface name
ifet	1772	needs to run on all Ridge models
include	1628	Need new include files for rp
install.rest	1538	problems if there is no 'f1' file on floppy
invert	842	invert should be capable of setting a given value
ioctl	1722	ioctl prints wrong error message when redirecting to a file
iodev.h	1613	added new file for ROS3.4
kermit	1170	kermit prints incorrect usage
kermit	1471	Should use same lockfile as 'cu' and 'uucp'
kermit	1813	hitting del key hangs the system and it must be rebooted
kernel, vmm	1484	Incorporated changes from Bull
ld	549	ld should give error is common declara-
ld	1158	tion length>global dec. length enhance ld to remove any a.out that was
ld	1500	not successfully linked The -e option to ld (specify entry label
ld	1831	appears to be ignored. ld allocates the beginning of the common area on an odd word boundry
libF77.a	1526	complex power function fails
libF77.a	1715	add VMS bit functions to libF77 as part of the FORTRAN VMS extension project
libI77	1470	speed up FORTRAN I/O
libI77	1489	FORTRAN does not allow reading of a
libI77	1490	record larger than 1MB There is a conflict between Ridge's truly zero extension & fx.y where x=y+1

PROGRAM	SMR #	DESCRIPTION
libI77	1585	fputc causes data alignment viol
libI77.a	1557	getfd is a misnomer, and should be renamed getfp
libI77.a	1586	no error message is given when trying to write to file w/out write permission
libI77.a	1719	changes for VAX/VMS extensions
libU77	1523	fseek returns bad status; libU77 is incompatible with newest libI77
libU77.a	1530	using getcwd in a FORTRAN program causes an undefined symbol from ld
libU77.a	1564	The tapeio routines for FORTRAN tape i/o are not implemented
libU77.a	1765	libU77.a was built with wrong "CFLAGS" definition
libc	1544	uname(2) man page missing and return value incorrect
libc.a	1826	Speed up output by special casing a few popular formats in doprnt
libdriver.a	1593	created libdriver.a for ROS 3.4 CIO drivers
libm.a	1483	d_atan & r_atn2 loop when the input is infinity
libpas	1206	eof can only be called once with the new pascal compiler.
libwgraf.a	1592	added GetPenColor, GetPenWidth routines
libwindows.a	1591	added text select/paste support
lint	1200	it uses cc instead of rc
lint	1644	prints error message when there is a comment on an include line
login	1662	telnet doesn't work with hostnames > 16 chars
login	1692	rlogin's automatic login no longer works

PROGRAM	SMR #	DESCRIPTION
lp	1577	printing files with ^B and ^C on laserwriter
lp spooler	1142	manual pages have bogus string at the end of each
lp spooler	1691	Canceling a job on the printer sometimes makes the printer unusable.
lpr	1109	lpr is setuid to root
lprm	1551	a user can remove another user's file with lprm
lpshut	1699	lpshut is flakey at times
ls	980	ls -l prints uid # instead of username if uid > 2048
ls	1682	lr -l goes into debug
mail	1006	mail from a telnet user is supposedly from LOGIN
mail	1071	sendmail doesn't notify when user is unknown
mail	1077	after deleting a read message, the next message should be displayed
mail	1150	<pre>mail for root prints pathname as //mbox. not normal path for /mbox.</pre>
mail	1153	<pre>mail from root has ')' in line. Replies generate errors.</pre>
mail	1621	mail -e does not work
mail	1801	user name is set to sender for all desti nations during a reply
make	162	directory entries should have modifica- tion/creation dates
make	1503	make mistreats PATH containing a hyphen. It thinks a "-" is like a ":" in PATH.
make/csh	1488	hitting del while using make from csh essentially halts system
makedev	1698	need man page for makedev(1)
makefiles	1597	changed makefiles in /usr/src/sys/driver

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PROGRAM	SMR #	DESCRIPTION
		s directories
man	1161	man drand48 changes terminal settings
man	1645	displaying some pages causes terminal to
man	1684	lock up allow man to search additional directories
mknod	1078	We only allow root to mknod a FIFO.
mknod	1770	<pre>mknod(1) doesn't document fifo's</pre>
more	1042	s-skip hangs if tried to beyond EOF ctrl-l (redraw) doesn't really work
more	1670	skipping more lines than are in the file causes more to hang
msgs	1528	/usr/bin/msgs does not exist
mt	1667	mt doesn't know about ct drives when status is requested.
mt	1757	'weof' command to raw 1/2" tape device
ndir.h	1700	including ndir.h results in 'incompatibl e types' message
ndir.h	1710	should not include <sys types.h=""></sys>
netstat	858	netstat needs to be ported
netstat	1527	customer requesting netstat
netstat	1811	<pre>netstat -r doesn't give complete list of routing table</pre>
networking	1847	network code prints "resetting interface" and hangs system
newaliases	1473	newaliases sometimes creates a zero length aliases.dir file
newgrp	1373	newgrp doesn't change one's environment
newgrp	1704	changing to a new group that you're not permitted to starts a new shell

PROGRAM	SMR #	DESCRIPTION
nroff	1635	italics mode (underlining) doesn't turn off until a non-space character
ns	1147	network panic
ns	1192	ns gets an ill mem ref in the data segment
ns	1498	ns hangs system; goes into debug (not rbug) when switch 0 pressed
ns	1543	ns on wonderboard shuts down when enet cable disconnected, requiring reboot
ns	1609	initial 3.4 modifications
ns	1665	IP: bad checksum error
ns	1816	ns prints "ns: m_get buffer usage over 200"
ns	1828	ftpd connection is closed without send- ing data when interface reset
od	1105	od always dumps input in even numbers of bytes
open/ioctl	1513	allow open to specify an extent size for file
param.h (4.2)	1493	too much ifdef'ed out in param.h
pg	1504	pg standout mode is incorrect; it echoes uninterpreted padded chars when using -s
þà	1505	Trash characters follow the message that the "n" (next file) command prints.
pipes	1064	reading an expanding directory may show duplicate entries
pipes	1755	Blocks of 5120 bytes not correctly sent across pipes
plot	1861	increase limitation of 1000 points for the plot command
pp	1860	compiling a certain module gives a floating point overflow with waterfall
ps	1163	desire option in ps to display process by user
pseudo ttys	1663	kermit doesn't work over pseudo ttys

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PROGRAM	SMR #	DESCRIPTION
ptty's	854	customer needs more than 4 ptty's
rc	1472	casting an element of an array doesn't work
rc	1495	useless error messages from rc
rc	1509	EOF test of getc() always fails since rc treats chars as unsigned by default
rc	1512	example code runs fine with cc, but generates SIGSEGV with rc
rc	1548	It is impossible to preprocess assembler files with rc
rc	1549	preprocessing generates an empty .s file
rc	1550	preprocessing an assembler file generate lines with # signs.
rc	1584	integer divided by 1 generates bad as code
rc	1625	address constant of struct member is wrong
rc	1654	MPY instructions sometimes generates integer overflow signal
rc	1668	dereference of pointer to bit field may not be done correctly
rc	1673	rc generates code which causes a data alignment violation
rc	1674	rc does not protect source from corruption from bad arg list
rc	1686	cast of unsigned long may cause bad code to be generated
rc	1720	rc generates a loadb from the wrong byte off of the stack.
rc	1721	returning doubles within subroutines prints incorrect results
rc	1729	rc (and cc) does not promote an integer to a float when it should
rc	1740	bug in the machine/language independent loop optimizer
rc	1759	commas in array initializations are optional
rc	1779	-E option puts garbage on screen
rc	1785	expression evaluated incorrectly when signed char involved.
rc	1802	rc gets a compiler error when compiling a piece of C code.
rc	1818	rc generates a loadd from an odd word address.
rc	1852	<pre>#include <stdio.h> generates error message</stdio.h></pre>
rc	1859	rc 2.1 and 2.0 generate 'compiler error'

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PROGRAM	SMR #	DESCRIPTION
		when trying to compile code
rc 1.9	1524	signed short and unsigned short are not compared correctly
rc, cc, lint	1703	<pre>rc, cc, lint do not allow structure/ union references</pre>
rc, rf, rp	1794	need to add /usr/lib/peep
rc, rf, rp	1799	add misc optimizations and bug fixes
rccom	1566	struct copy with postincrement fails with rccom
rccom	1583	binary operation on function addresses gives bad code
rccom	1657	bad code generated by a shift by a constant 0.
rccom	1724	<pre>peephole optimization of storeh/loadh shouldn't be done</pre>
rccom	1725	an extra store is generated after a call to extv or extzv in movemm
rcp	830	no error message for rcp when the wrong number of parameters is given
rcp	1041	rcp to the same host trashes file
readnews	1830	readnews has not had any new news for about a month
realdiag	1144	realdiag goes into debug when run on system with waterfall cpu
realdiag	1773	Realdiag needs to run on all Ridge models.
rebooting	1702	several enhancement requests concerning rebooting
rf	1127	rf's -L flag should check format errors
rf	1516	char variables not printing correctly with dbx
rf	1517	should be able to rename as 'f77'
rf	1519	can't mix Fortran & C sources to rf compiler
rf	1533	problems with external functions and entry points w/in subroutines
rf	1535	char(constant) returns 0

PROGRAM	SMR #	DESCRIPTION
rf	1561	<pre>main.F requiring C pre-proc w/ Fortran includes can't find include files</pre>
rf	1565	compiler error when assigning value to function when using implicit undef.
rf	1568	external statement does not generate proper external reference
rf	1569	external statement gives compiler error when module is implicit undefined
rf	1570	internal list-directed I/O does not work
rf	1571	various enhancement requests
rf	1581	do-loop index gets confused within nested do loops
rf	1582	rf generates illegal instructions that cause as to complain
rf	1626	rf does not accept syntax that f77 does
rf	1666	print and format work incorrectly
rf	1678	bad code is generated from loops
rf	1679	compiler should flag archaic statements
rf	1680	incorrect code in assigning one double complex variable to another
rf	1723	char function returns incorrect results
rf	1738	add the nbpar function for fortran
rf	1744	fortran bug with combination of entry point, array dimensioned by common elem.
rf	1747	rf does not accept library names that do not end with .a
rf	1758	non-ascii characters are not allowed in character strings
rf	1768	rf may destroy source file when given -L, -H or -n option.
rf	1781	secnds function is missing from libs
rf	1791	fputc(3f) not producing output
rf	1792	fortran close fails when writing floppy disc file
rf	1805	create single precision versions of the fortran nint intrinsic functions
rf	1809	fortran double complex assignment of six dimensional array fails with optimizer
rf	1810	problems with fortran octal and binary initializers
rf	1844	compiler should flag a value as being too large, but it doesn't

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PROGRAM	SMR #	DESCRIPTION
rf	1845	the -f option generates an error message (with namelist)
rf	1848	the mini/maxi intermediate code nodes
rf	1849	have no entry in the cost function the old (builtin to the compilers) peep- hole optimizer loops.
rf	1855	fseek is not positioning correctly, but
rf	1857	does not generate an error ioinit function doesn't work properly
rf / libI77.a	1726	the new fortran open mode specifier doesn't work
rf, rp, rc	1718	New code for 2.0 release of compilers
rf/dbx	1653	dbx gets confused with equivalence statements
rfcom	1537	common block elements don't print
rfcom	1572	properly under dbx rfcom goes into debug with segmentation
rfcom	1573	violation or data alignment violation parameter arrays dimensioned by common block element may have bad code generate
ridge/gks	1487	ridge/gks was built with a version of rc that had bugs. Need a few minor fixes
rje programs	1620	added to the system
rlogin	966	backslash typed when rlogin'ed breaks echoing.
rlogin	1154	if .rhosts and hosts.equiv fail, rlogin
rlogin	1639	should not prompt for user name rlogin doesn't always terminate properly
rlogin_login	1840	rlogging in without /etc/hosts.equiv gives strange error message
rlogind	1705	2 rloginds can get same pseudo tty
ros/lprio.h	1612	Added printer type bits.
route	856	route command needs to be ported

PROGRAM	SMR #	DESCRIPTION
rp	1,458	end of file test fails
rp	1459	reset does not work when several pascal
rp	1460	files are connected to same file when run-time error occurs the results redirected to a file are lost
rp	1461	compiler does not check constant sets
rp	1462	sets containing more than 32 elements an and the use of rp extensions incompatibl
rp	1529	Preprocessor flag names consisting of upper and lower case letters don't work
rp	1606	Compiler does not flag "f(x);" as error where f is a function
rp	1624	rp generates bad as code
rp	1629	Allow Pascal to get at UNIX file pointer
rp	1643	rp has problems with strings of length 8.
rp	1649	when rp is used with error, error messages are insterted into source
rp	1688	problems with pascal type-cast operator
rp	1711	rp does not pack arrays of subranges of integers
rp	1712	high level I/O too sensitive to types of arguments
rp	1713	file variables declared in functions are incorrectly initialized
rp	1714	rp generates illegal assembly code
rp	1771	uplevel reference of char param doesn't work from 2 levels down
rpcom	1536	<pre>rpcom loaded wrong byte from stack for ch:=char(int)</pre>
rsh	1118	cat doesn't work when input and output are sockets
rsh	1622	rsh's sometimes hang and it is impossible to del out of it
rsh	1836	rsh doesn't work
rsh/ftp	1531	ridge does not respond to rsh or ftp from sun nodes on net
rshd	1793	rsh to a UNIX ridge does not terminate
runtime	1750	Subroutine needed for whet and dwhet.

PROGRAM	SMR #	DESCRIPTION
ruptime	1189	ruptime doesn't work on 'ridge' with a remote vax at UCSB
rwho	1823	rwho doesn't show users logged in on console
sbrk	1608	sbrk should return -1 error condition
scanf ·	1465	last element of range is not accepted in a scanf scan-set.
SCCS	1669	specifying a directory name to get -e causes sccs to loop
script	1676	script needs to be ported
scsi.commands.	h 1603	added to system
scsi.data.h	1604	added to system
sendmail	1491	for local mail, the /bin/mail line should be /bin/binmail
sendmail	1525	sendmail files should be part of ROS
sendmail	1618	starting sendmail with a certain sequence gives privileged shell
sendmail	1619	sendmail -Cfile allows one to 'look at'
sendmail	1767	a file without read permission local mail will not work on a newly
sendmail	1789	installed system sendmail repeats a line in mail until disk is full
sendmail	1820	please implement option for a log file
settek	1760	gin mode should be able to append a return to character string
settitle	1819	settitle doesn't work right with a null title on a 19" display
setworigin	1737	there's a man page for setworigin, but no program
setwsize	1036	setwsize 3000 3000 hangs display

PROGRAM	SMR #	DESCRIPTION
sh	887	sh's table of signals is too small
sh	1468	sh saves and prints all prompts after command completes
sh/csh	1510	line erase of an excessively long line causes system to temporarily hang
shell	1627	add the Sys V 'shl' utility
shl	1821	shl command doesn't work on a pseudo port.
shutdaemon	1532	shutdaemon sometimes never exits after killing the daemons
shutdaemon	1837	shutdaemon continually generates a kill error message
shutdown halt	913	add shutdown, halt, and reboot to 3.3
shutdown(1)	1507	section 1 indicates we have shutdown(1)
shutdown, halt	1752	added to the system
signals	792	distribution of signals by process group doesn't always work right.
signals	912	add SIGINTOVER and SIGINTDIVZERO to set of signals
soelim	1822	soelim doesn't work
spell	1833	the spellhist file was created with incorrect permissions
spell	1858	spell used with a local dictionary doesn't understand uppercase
startup	665	could not activate rc UM
startup	1502	customer requests that startup allow booting without checking date
stat/fstat	979	directory sizes reported as 0, inode values for floppy files not unique, etc.
stdio	1766	<pre>setvbuf() function doesn't work</pre>

PROGRAM	SMR #	DESCRIPTION
string.h	1492	<pre>several externs are missing from string. string.h,</pre>
strspn	1173	strspn in libc does not work right.
strtok	1636	C string handling routine, strtok, doesn't work as documented
stty	1080	tostop stays set to whatever you set it
stty	1178	to when logout then login stty < /dev/rmt16 causes file mark to be written to tape when write ring on tape
stty	1201	stty parameter name doesn't match doc
stty	1464	XON/XOFF toggle mode doesn't work
style	1835	the output from the -P option is in a bad format
systest	1632	Added modules for CIO
systest	1709	Added fffff.f src file for testing RF compiler.
tail	1181	cat filename   head -2   tail -1
talk	1730	added 'talk'
tapedriver	1446	Inaccurate find/tape error message. Terminal locking up when mt'ing.
tapedriver	1463	tapedriver misses end of file mark
tapedriver	1556	second unit on tape controller does not work
tapedriver	1677	terminal locking up with mt
tapedriver	1716	tape position incorrect after read and close operation
tapedriver	1742	tapedriver doesn't work with new extended address tape board
tapedriver	1762	too many file marks are skipped by the tapedriver
tapedriver	1800	make it possible to restart crashed driver
tapedriver,mt	1756	system hangs with 'mt -f /dev/rmt1 weof'

PROGRAM	SMR #	DESCRIPTION
tapedriver/mt	1817	System hangs when you try to rewind the second tape drive/second tapedriver (mt)
tar	1011	implement the -o option from sysV ver2
tar	1382	tar tb 20 causes tapedriver to read non-
tar	1650	existent record & time out give tar an option to not restore the
tar	1769	owner 'tar cvf outfile files' gives strange error message sometimes
tar (4.2)	1457	tar should restore mtime
tar dd	283	tar and dd do not know about multiple reel tapes
tbl	1448	tbl modifies and does not reset tab settings
telnet	1149	telnetd does not display the /etc/issue file
telnet	1652	output from more, cat, man is lost
telnet	1661	telnet has problems mapping cr to cr-lf and vice-versa with a UNIVAC
telnetd	1701	telnet to a faster machine, & sometimes /etc/issue file & login prompt are lost
termcap	1075	vi without mousemgr or windowmgr causes bad wrapped lines
termcap	1754	There is no entry for tvi925
timer	1188	UB/DR11: cannot set timer = 1
times	1812	system that has been up for a long time reports incorrect times
tr	1739	tr doesn't recognize a range of characters
troff	1031	mm operates in verbose mode and then goes into debug
tset	1745	the -m (mapping) option of tset doesn't seem to work

PROGRAM	SMR #	DESCRIPTION
um	28	um should report error of names being passed to drivers
um	86	core dumps desired. SIG should generate
um	544	message and die um should read break ptr and generate SIGSEGV trap
um	933	signal handling of forked process is not correct before a execs b.
um	1106	signal #117 SIGINTDIVZERO is ignored (by default) by user monitor
um	1155	modify UM to only allow 'load enable off' sehll for rcUM
um	1196	the um gets stuck in a loop
um	1554	certain code when run with dbx crashes a user monitor
um	1562	when slow-booting, UM sometimes tries to run getty & login
um	1563	need larger data segments, request completion of set/getrlimit calls
um	1567	starting um's sometimes crashes system
um, TTY driver	s 984	error: "FDLP cannot notify UM = 65557 Err=1 UM link=18"
um, drivers	1615	O_ASYNC (ATT) and FASYNC (BSD) open modes do not work
units	1839	/usr/lib/unittab doesn't exist, sot the units command doesn't work
unknown	1165	cron and ftp always report time as PST
unknown	1753	Modem support not completely documented
users	1788	an 8 character login name from a remote system is garbled
uucp	880	umin does not work
uucp	1023	hours in logfile are local, PDT, or PST
versatec	1515	versatec seems to drop characters at beginning of line
vgrind	1846	<pre>doesn't work. /usr/lib/prman/nice-i.sed is missing</pre>
vi	946	ctrl-v doesn't work on televideo

PROGRAM	SMR #	DESCRIPTION	
vi	947	vi doesn't know how to use diagonal arrow or function keys	
vi	1081	cf has a problem with ignoring case	
vi	1138	expreserve and friends get stuck when running vi and phone is hung up	
vi	1474	'ex:something:' causes a funny error message	
vi	1496	vi doesn't handle ^c sometimes	
vi	1541	On a busy system vi of a large file takes much longer than small file	
vi	1638	vi -r doesn't work properly	
vmm	1476	Scanrange, found free page	
vmm	1803	Flip Load Enable to continue VMM: Cannot examine in-use page	
	2000	error = 15 or 16	
volmgr	1746	Volmgr-RemoveFreeBlock error crashes system	
vprint/vplot	1061	simultaneous print/plot mode does not work to versatec	
wait	941	status returned by wait only provides for values 1-127	
WC	1743	spaces needed in wc output for large files	
whatis (graf)	1727	'whatis hpd' gives misleading info	
whet	1748	Added whet to systest for more testing.	
wi	1850	doesn't work over pseudo port	
window manager	1469	desire ability to disable mouse cursor	
windowmgr	1590	added text select/paste feature	
xsend	1851	xsend and xget do not work	
xsys	1774	This program is used to print out the	

PROGRAM	SMR #	DESCRIPTION	
		configuration of the system (including	
xsys.h	1806	Need general include file for getting system information.	

<pre>Status: closed Target Release: ros3. [/dev/x/name if device 'x' is not a d [the remaining portion of sting (i.e. 'n [um possibly should report error instead [(or handle) names being passed to them. Solution Fix will be included in: Description: With ROS 3.3 (some update) we introduce specifies a set of capabilities that it 'trailing names' is one of these.</pre>	<pre>irectory device (block mode) ] ame') is passed to driver. ] . Some drivers do not expect ] . SMR Number: [28 ] d a fix for this. Each driver now is willing to support. Processing</pre>
<pre>SMR Number: [86 ] Status: on hold Target Release: [It would be nice if [1) we could substitute a memory (core) [(with option) [2) we could specify that a SIG (whateve [should just generate a message and die. [With ROS 3.4 the first of several chang [core files is being made. With this re [by the UM due to no debug will display [While this is not really a substitue fo [ROS 3.3 update 3.</pre>	dump rather than entering debugger ] or that causes a coredump/debug) ] les intended to finally provide ] lease, processes that are terminated] some information on the console. ]
SMR Number: [162 ] Status: open Target Release: ros3. [Directory entries do not have modificat [with them. This causes make to be unus [entire directories.	ROS Version: [3.3 ] 5 Last Reviewed: 04/22/1986 ion/creation dates associated ] able with dependencies that are ]
SMR Number: [170 ] Status: closed Target Release: none [should be able to treat floppy like a m Solution Fix will be included in: Description: Since we are phasing out the floppy, th now considered closed.	ROS Version: [3.3] Last Reviewed: 04/22/1986 Jounted volume ] SMR Number: [170]
SMR Number: [283 ] Status: on hold Target Release: [tar and dd do not know about multiple r	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 eel tapes ]
SMR Number: [451 ] Program: [C ] Keyword: [ ] Status: closed Target Release:	BOG Version: [
[The C optimier does not handle code gen [1) assembler comments within the asm st [invalid opn field for x" where x is a w [2] semicolons after assembly code get mo [(where the data declarations (eg. for p [resulting in commenting out the next ds [3] colons after labels have the same pr [a different assembler error. Solution Fix will be included in: Description: c2 is being obsoleted.	erated by asm statement properly: ] atement may result in "optimizer: ] ord in the comment. ] ved toward the top of the file ] rintf statements) are gathered), ] ect statement. ] oblem as semicolons, but generate ] SMR Number: [451 ]
SMR Number: [544 ] Status: on hold Target Release: [On other unix systems the brk pointer for	ROS Version: [3.2 ] Last Reviewed: 04/22/1986

[by the system. When a program goes beyond the brkptr a SIGSEGV trap is ] [generated. The is not the case on the ridge and causes difficulties for ] [programs such as the Bourne shell which use this to manage their stack. ] [Can the um_read the break ptr when a program is executed and generate ] [a SIGSEGV trap when the program goes beyond that value??	
SMR Number:       [549]       ROS Version:       [3.3]       ]         Status:       open       Target Release:       3.5       Last Reviewed:       04/22/1986         [ld should give an error if a common declaration length is greater than       ]       [the global declaration length for a symbol.       ]         [note from 3.2       ]	i
SMR Number:       [665]       ROS Version:       [3.3]         Keyword:       [rc UM]       ]         Status:       closed       Target Release:       ros3.4       Last Reviewed:       04/22/1986         [When upgrading to the 3.2 patch disc, will receive the error message       ]         [from startup:       ]         [ form startup:       []         [ Startup: Could not activate rc UM       ]         [The um has been copied from the floppy when prompted       ]         [during the slow boot with 'move UM from floppy?'       ]         [This error occurs frequently (but not every time).       ]         Solution       SMR Number:       [665]         Fix will be included in:       Description:       ROS 3.4 Startup fixes this.	
SMR Number:       [785]       ROS Version:       [3.3]       ]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [Under dbx, STEP into a C function from a FORTRAN program does not work.       ]         [Workaround:       use "STOP IN function" instead.       ]	
SMR Number:       [787]       ROS Version:       [3.3]       ]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [dbx does range checking on array references before printing.       Enhancement       ]         [to override checking is desirable for FORTRAN since a common way of g       ]         [getting unlimited arrays is to declare       DIMENSION x(1) in a procedure       ]         [that gets x as parameter.       ]	
SMR Number:       [791]       ROS Version:       [3.3]       ]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [fcntl requests to get the modes of file or pipe may not work.       If the file/]         [pipe manager has modified the modes after the open, the UM may not know]       [of these changes and will report the modes incorrectly.]       ]         [The pipe manager and file manager do not support DriverGetMode.]       ]	
SMR Number: [792 ] ROS Version: [3.3 ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [Distribution of signals by process group doesn't always work right. ] [SIgnals are distributed to any process in the group that is a (ROS) child ] [of the UM processing the killpg or DriverKillGroup request and the request ] [is forwarded to the UM that is the parent of the process group head (the ] [process whose PID=PGRP). Other processes reporting to other UMs are ] [unaffected. ]	
SMR Number:       [815]       ROS Version:       [3.3]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [Display driver doesn't properly emulate all BSD 4.2 terminal functions:       ]         [1. doesn't properly backspace when control char is backspaced if ctrlecho       ]         [ is enabled (removed from buffer, but only 1 char is erased from screen)       [         [2. DEL should echo as ^? is ctlecho, even if it is the INTR character.       ]         [3. If echo immediate, typeahead followed by a ^H is entered, then an       ]         [ assumed reprint should happen first before backspacing.       ]         [4. Typeahead should not be intermingled with program output.       ]	
SMR Number:     [830]     ROS Version:     [3.3beta]       Status:     closed     Target Release:     Last Reviewed:     04/22/1986	

[Rcp doesn't give a usage error message i [is typed.	f the wrong number of parameters ]
Solution Fix will be included in:	SMR Number: [830 ]
Description: This is a problem with the 4.2 BSD versi enhancement, but	on of the code. It would be a nice
SMR Number: [842 ] Status: closed Target Release: ros3.4 [Invert on the ridge display should have [or black/white) to set the video inversi [than complement what is there. Solution Fix will be included in: ROS3.4 Description: new version of invert that works with 3. Has -i (invert), -b (black background),	an optional parameter (0 or 1, ) on bit to the given value, rather ] SMR Number: [842 ] 4 display driver, using ioctls.
SMR Number: [854 ] Status: on hold Target Release: [There seem to be only 4 ptty's defined.	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 This customer wants more (~30). ]
SMR Number: [856 ] Status: open Target Release:	ROS Version: [3.3 ]
Status: open Target Release: [The 'route' command needs to be ported. Solution Fix will be included in:	SMR Number: [856 ]
Description: route and routed ported. Required new b /dev/kmem.	octl for ns to avoid using
SMR Number: [858 ] Status: on hold Target Release: [The netstat command needs to be ported. Solution	ROS Version: [3.3 ] Last Reviewed: 04/22/1986
Description: netstat ported. Required changes to ns /dev/kmem. -h and -m not currently supported.	to add ioctl to replace calls to
SMR Number: [877 ] Status: on hold Target Release: [DoSignal gets called one too many times	for each delivered signal.
SMR Number: [880 ] Status: open Target Release: [umin (uucp) does not work.	4
SMR Number: [884 ] Status: closed Target Release: ros3.4 [/usr/4.2/include/utmp.h is bad. Solution Fix will be included in: Description: The header file has been updated.	ROS Version: [3.3 ]
	ROS Version: [3.3 ] 2 Last Reviewed: 04/22/1986 n the open until the fifo is ]

SMR Number: (912 1 ROS Version: [3.3 Status: closed Target Release: rose.4 Last Reviewed: 04/22/1986 [Add SIGINTOVER and SIGINTDIV2ERO to the set of signals manipulated by [SIGFPE. Solution SMR Number: [912 Fix will be included in: Description: This will not be done due to the adverse effect it would have on performance. The author of this SMR must have been crazy to suggest such a change. \_\_\_\_\_\_ SMR Number: [913 1 ROS Version: [3.3 Status: closed Target Release: none Last Reviewed: 04/22/1986 [Add /etc/shutdown, /etc/halt, and /etc/reboot to 3.3 Solution SMR Number: [913 Fix will be included in: Description: This SMR should be closed. These changes will never be done in ROS 3.3. When these changes are implemented they will be done using the standard init. SMR Number: [920 1 ROS Version: [3.3 1 [ftpd Keyword: ] Status: known bug Target Release: Last Reviewed: 04/22/1986 [Apparently, ftpd can die without saying anything on the console. ROS Version: [3.3 SMR Number: (933 1 1 Status: on hold Target Release: Last Reviewed: 04/22/1986 [If process a forks process b, the signal handling state of process b is [not correct before a execs b. In particular, if a is killed, b is also [supposed to get killed, but it is not. Just documenting it here until [I get a chance to demonstrate it. ----SMR Number: [937 1 ROS Version: [3.3 Status: on hold Target Release: Last Reviewed: 04/22/1986 [Arrays in dbx can be printed out either in the entirety, or by naming each ] [element separately. It would be nice if there were the facility for (printing out the values for a range of indices that is less than the whole ) [array, i.e. print A[1:3, 1:2, 2] frather than just print A or [print A[3,1,2] \_\_\_\_\_ SMR Number: 1938 1 ROS Version: [3.3 1 Keyword: [trace 1 Status: on hold Target Release: Last Reviewed: 04/22/1986 [It would be nice if the trace (exp) at (line #) if (cond) were [generalized to trace (exp) [, (exp)...] at (line #) if (cond) [This would allow the printing of several quantities at trace point. SMR Number: [941 ] ROS Version: [3.3u2 Status: on hold Target Release: Last Reviewed: 04/22/1986 [In section 2 we list signals from 1 through 127 (and higher). The status ] [returned by wait only provides for values 1-127. The value 127 is [reserved to mean the process is stopped so that only signals in the range [1-126 can be used. We must redefine the mapping of signal numbers. Using the currently [defined mapping for 4.2bsd that we use in the UM would be fine. [Note that the signal numbers 127 and above are not very likely to occur [except by assembly language programs. \_\_\_\_\_ SMR Number: [946 1 ROS Version: [3.3 Last Reviewed: 04/22/1986 Status: open Target Release: [ctrl-v doesn't work in vi on a televideo (it did work on 3.1)

1

[fifo with data in it should always return.

SMR Number: [947 ]	ROS Version: [3.3	1
Keyword: [map command ] Status: on hold Target Release: [It appears to be impossible to teac [f10-f15 or unlabeled function keys [Note: it is possible to map functi	with the map command.	
SMR Number: [953 ] Keyword: [Wonderboard ub ] Status: known bug Target Release: [In a system with both a wonderboard [cycled after ns is started, then th [again. (ftp to anybody produces 'W [extraneous packet" on console if tr	ROS Version: [3.3 Last Reviewed: 04 l and a ub box, if the UB box i e wonderboard can never be use ionderboard: WB Read: received racing is turned on)	is power ] ed ]
<pre>SMR Number: [966 ] Status: closed Target Release: r [I was rlogin'd to hood, and said de [and started my comments. These too [line with a '\'. This did not echo [additional characters before all th [three times in a row. Solution Fix will be included in: ROS3.4 Description:     Problem with backslash during CBREA</pre>	ROS Version: [3.3 ros3.4 Last Reviewed: 04 elta filename. I specified the k more than 1 line, so I ended . I was required to type two ree finally echoed. This happ SMR Number:	e MR <b>#,</b> ] d the first] pened ] [966 ]
fixed in 3.4 version of DISP. SMR Number: [972 ] Keyword: [removing files ] Status: closed Target Release: 3 [It is possible to remove important [structure. For example, 'rm kernel [directory structure. (However, it i Solution Fix will be included in: 3.4u1 Description: Fixed for 3.4 update 1.	files from the /ros directory ' will remove startupcode from s not removed from the volume) SMR Number:	n the ]
SMR Number: [979 ] Status: open Target Release: r [This smr replaces MR's: 384,790, an [The following problems exist with s [reported as 0. 2) devices, windows, [values. 3) inode values for floppy f [work at all for windows or files on [listed include: 1) programs like w [devices don't work right (MR 384). [floppy can appear to be the same fi [doesn't work right if output is red [(MR 829).	<pre>d 829. tat/fstat: 1) directory sizes and files on floppy have 0 a/ iles are not unique. 4) stat do floppy. Symptoms for the pro- ho and finger that use the mti 2) two different files on the le (MR 790). 3) no clobber in irected to a floppy file that</pre>	s are ] c/mtime ] doesn't ] bblems ] ime of ] same ] csh ]
SMR Number: [980 ] Status: on hold Target Release: [1s -1 prints user id number instead [greater than 2048. [Use the BSD 4.3 version when possib		
SMR Number: [984 ] Status: on hold Target Release: 3 [Error messages on console (so many f ("FDLP cannot notify UM=65557 Err=1) [This is caused by a TTY driver tryin [such as DEL or carrier loss. Since [messages and it runs at higher prio. [UM. We do not have a solution to th	that they scroll off top of sc UM link=18" ng to notify the UM of a speci the driver can send any numbe rity it can overflow the queue	al event ]

SMR Number:       [986]       ROS Version:       [3.3]       ]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [In cu, if you type "n% take filename" and then backspace, every other       ]         [letter is erased from the screen.       ]
SMR Number: [994 ] ROS Version: [3.3 ] Keyword: [cat ] Status: on hold Target Release: Last Reviewed: 04/22/1986
[If one types:       ]         [ \$cat file1 > /dev/fl/file1 &       ]         [ \$cat file2 > /dev/fl/file2       ]         [You receive:       ]         [ cat: output error       ]         [and your terminal is now hung. (UM is hung and no processes accumulate ]       ]
SMR Number: [1006 ] ROS Version: [3.3 ]
Keyword: [from LOGIN ]
Status: on hold Target Release: Last Reviewed: 04/22/1986 [Dave was telnet-ed from ridge to hood, while on hood he sent me mail. ] [When I received the mail it said it was from "LOGIN". This is a peculiar ] [user from whom to receive mail!
SMR Number: [1009 ] ROS Version: [3.3 ] Keyword: [/dev/clp ]
Status:       closed       Target Release:       3.4       Last Reviewed:       05/09/1986         [if one 'cat's a file to /dev/clp, any subsequent 'cat' or 'lp' to       ]         [/dev/lp will hang.       ]
SMR Number · [1011 ] ROS Version · [3 3 ]
Keyword: [-o option ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [Implement the -o option into tar from SYS V version 2. This option ] [causes files to be owned by user rather than that on the tape. ] [use the 4.2 version until we have resources to add to systemV version ]
SMR Number: [1018 ] ROS Version: [3.3 ] Keyword: [floppy ]
Status: on hold       Target Release:       Last Reviewed: 04/22/1986         [If removing a file known to be on a floppy is tried immediately       ]         [after reboot, the user gets the message:       ]         [ /dev/fl/file non-existant       ]         [Doing a 'dir' first, the the 'rm' works.       ]
SMR Number: [1019 ] ROS Version: [3.3 ] Keyword: [floppy ]
Status: on hold Target Release: Last Reviewed: 04/22/1986 [On a floppy, if you try to remove a file that doesn't exist, ] [the file is created and the floppy is full. ]
SMR Number:     [1023]     ROS Version:     [3.3]       Keyword:     [logfile]     ]
Status: closed       Target Release:       Last Reviewed: 04/22/1986         [Under uucp, the hours in logfile are local, PDT, or PST. Local when the ]       [machine is calling, PDT or PST when the machine is called.
Solution SMR Number: [1023 ] Fix will be included in:
Description: This is a known unix bug.
SMR Number: [1024 ] ROS Version: [3.3 ]
Status: on hold Target Release: Last Reviewed: 04/22/1986 [call a remote system via cu. cat an excutable file on a televideo. <del>] [out and typing is not echoed. ~. and try to call again. 'cu' ] ['CONNECTED' and type. no characters are echoed. ~. type 'stty -ixon &lt; ]</del>

[/dev/ttyX' where ttyX=outgoing modem port. Then all works fine. [Tried typing ^Q after catting file, to restart output. This did not work.] SMR Number: [1031 ] ROS Version: [3.3 ] Keyword: [mm macros ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [mm seems to operate in verbose mode. When run with a reasonable argument ] [it proceeds to echo itself out (it's a script). [After a second or two, it goes into debug. Also, troff can't open tables [for /usr/lib/font/devpsc/DESC.out. As a repercussion of above problems ] [other dwb commands don't work. 1 SMR Number: [1036 ] ROS Version: [3.3 1 . Keyword: [display hangs ] Status: known bug Target Release: Last Reviewed: 04/22/1986 [setwsize 3000 3000 hangs display even after process is killed. [Other ttys and displays are active. [This should be avoided. The display driver is hung because the vmm can't ] [give it all the memory it needs. Known problem that will not get fixed. ] 
 SMR Number:
 [1041]
 ROS Version:
 [3.3]

 Status:
 on hold
 Target Release:
 Last Reviewed:
 04/22/1986
 [rcp /tmp/junk host:/tmp/junk (where host is same) causes file to be ] [trashed. 
 SMR Number:
 [1042]
 ROS Version:
 [3.3]

 Status:
 open
 Target Release:
 Last Reviewed:
 04/22/1986
 [1. the s (skip forward k lines) and f (skip forward k screens) hang ] [if you try to skip beyond the end of file. Pressing del gets you out. 1 [2. ctl-1 (redraw screen) only works semi-right. It moves the 1 [more (XX) & label up a line - losing the top line. Also, a <CR> [followed by a ctl-l moves you ahead almost a page instead of merely [redrawing the screen. 
 SMR Number:
 [1047]
 ROS Version:
 [3.3]

 Status:
 on hold
 Target Release:
 Last Reviewed:
 04/22/1986
 [The exec system call should recognize the syntax '#! /bin/csh' ] SMR Number: [1060 ] ROS Version: [3.3 ] Status: open Target Release: 3.3u2 Last Reviewed: 04/22/1986 [If a dup is performed and any error occurs, FDLP warning: dup err = xx ] [prints out. It is common for programs with open connections to the tty ] [to do dups, if carrier is not present, err=619. SMR Number: [1061 ] ROS Version: [3.3 ] Status: closed Target Release: never Last Reviewed: 05/08/1986 [Simultaneous print/plot mode doesn't work on versatec. In particular, [the first line of text put to versated is interpreted as a plot raster, 1 [so it comes out as a bunch of dots and dashes at the top of the page. 1 Solution SMR Number: [1061 1 Fix will be included in: never Description: We do not support simultaneous print/plot mode. 
 SMR Number:
 [1062]
 ROS Version:
 [3.3]

 Status:
 on hold
 Target Release:
 Last Reviewed:
 04/22/1986
 [Setting the date backward in time, or booting the system with a 1960 [date and then setting the time will cause all time calculations to (break. The time command will not work until the system is repooted. SMR Number: [1063 ] ROS Version: [3.3 ] Status: known bug Target Release: Last Reviewed: 04/22/1986 Create a large file >1.3 meg [2. Use split to create a 1248256 byte file, the max size allowed on floppy.] [ split -b -1248256 bigfile xx (3. cat xxaa > /dev/fl/abc

[4. cat filel > /dev/fl/x1 -- destroys dir [5. cat file2 > /dev/fl/x2 -- destroys floppy data 1 SMR Number: [1064 ] ROS Version: [3.3 Status: closed Target Release: 3.4u1 and u5 Last Reviewed: 05/08/1986 [Given 100 files called junk00, junk01,...junk99, ls junk\*|cat>outfile [sometimes causes a line in the output file to be duplicated. [This occurence of the problem seems to depend on the choice of current [directory in which the commands are executed. This problem (&related (variants) has been repeatedly observed when running in /tmp and once [in home directory. It has never been observed when running in directories ] fon priam disk. Solution SMR Number: [1064 Fix will be included in: 3.4u1 and u5 Description: Fix added for 3.3 update 5, and 3.4 update 1. SMR Number: [1066 ] ROS Version: [3.3 1 Keyword: [troff/display ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [Desire troff to produce output on a Ridge display. 1 SMR Number: [1068 ] Keyword: [ddt flag ] ROS Version: [3.3 1 Status: closed Target Release: Last Reviewed: 04/22/1986 [Recompile cu with the ddt flag turned off. Solution SMR Number: [1068 Fix will be included in: Description: I took out the "#define ddt" line and recompiled. SMR Number: [1071 ] ROS Version: [3.3 Keyword:[stty tostop set ]Status:on holdTarget Release: Last Reviewed: 04/22/1986 [A user running with csh and tostop tty mode set sends mail to an unknonw ] [user. When sendmail runs it dies and the mail is not sent. There is no ] [error printed. Turning of tostop fixes the problem (an error is printed). ] SMR Number: [1075 ] ROS Version: [3.3 ] Keyword: [vi, mouse, windowmgr] Status: on hold Target Release: Last Reviewed: 04/22/1986 [using vi on a display without mousemgr or windowmgr fired up causes lines ] [that wrap onto second line to get messed up. If a tab is in part of line ] [that wraps around, doing a 'w' across line causes cursor to get mixed up ] (when it goes into that part of the line. (TERM=ridge-m1) 
 SMR Number:
 [1077]
 ROS Version:
 [3.3]

 Status:
 closed
 Target Release:
 Last Reviewed:
 04/22/1986
 [When you have several mail messages and you've read the first one, a 'd' ] [<CR> is typed to delete it, then you should be able to type <CR> and [see message #2 (or the next message), but instead you see message #3. Solution SMR Number: [1077 Fix will be included in: Description: No changes made. This enhancement is more trouble than its worth since it involves messy special cases. The (p)rint command must be used to see the next letter after deleting a letter. SMR Number: [1078 ] ROS Version: [3.3 1 Keyword: [FIFO ] Status: closed Target Release: ros3.4.ul Last Reviewed: 04/22/1986 [In system V any user can mknod a FIFO. We only allow root to do so. Solution SMR Number: [1078 1 Fix will be included in: ros3.4.ul Description:

Made messages in mknod more meaningful for non superuser

SMR Number: [1080 ] Keyword: [tostop ]	ROS Version: [3.3 ]	
(eyword: [tostop ] status: closed Target Release: [tostop stays set to whatever you a	3.4 Last Reviewed: 05/08/1986	
<pre>[back in. i.e. [stty tostop; logout; login; tostop</pre>		
[stty -tostop; logout; login; tosto [There is no default.		
Solution Fix will be included in: 3.4	SMR Number: [1080	
Description: The default is now '-tostop'		
MR Number: [1081 ] itatus: open Target Release: [Example: [vi <cr> [:se ic<cr> [aBECDEFG<esc>^cfd FLASH!</esc></cr></cr>	ROS Version: [3.3 ] Last Reviewed: 04/22/1986	
[This should probably change the f. [cf doesn't seem to ignore case.	irst four characters, but	
[that fiddle with the terminal mode [terminal modes on entry and resto [I suspect it's related to Sys V/4	ROS Version: [3.3 ] ros3.4 Last Reviewed: 04/22/1986 ork properly when debugging other program es (turning off echo) because it saved red them on exit. This no longer works; .2 terminal modes or maybe even process	ms
[groups. Colution	SMR Number: [1099	
Fix will be included in: ROS3.4 Description:		
All ATT and BSD tty modes are now	saved and restored.	
[or -c flags), it always displays [contains an odd number of bytes, [null. But when the following com [at some point by replacing one or [single line containing a '*'; b) [identical line (so that the last ] [being represented by a '*'); then [bytes from the last identical lin [from the identical line in the sam [extra byte. This extraneous last	an even number of bytes. If the input the last byte displayed is usually a ditions hold: a)od compresses its output more identical lines of output with a the last line of output is not such an bytes are actually displayed instead of the last byte displayed is one of the e skipped. Specifically, it is the byte me horizontal position as that of the byte can be confusing, and in any case, f input length that od writes before	
Solution Fix will be included in:	SMR Number: [1105	
Description: Files with an odd number of bytes character except now it is guaran better than before. The ideal so	are still followed by an extra value/ teed to be zero/null. This is somewhat lution would require a fairly radical andle 2 bytes at a time when it should be	e
SMR Number: [1106 ] Keyword: [signal #117 ] Status: closed Target Release: [Signal #117 SIGINTDIVZERO is igno	ros3.4 Last Reviewed: 04/22/1986	
Solution	SMR Number: [1106	

Fix will be included in:

Description: Done in ROS 3.4. \_\_\_\_\_ SMR Number: [1107 ] ROS Version: [3.3 Last Reviewed: 04/22/1986 Status: open Target Release: [There is a bug in the env command which causes the first (or only) [assignment to be mishandled. For example, try the command: f env A=b printenv [and the last line printed from the environment is completely incorrect. [If additional assignments are put on the command line then only the [first assignment is mishandled. ROS Version: [3.3 SMR Number: [1109 1 Last Reviewed: 04/22/1986 Status: closed Target Release: [lpr is setuid to root. This means that any file on the system can [be read. SMR Number: [1109 Solution Fix will be included in: Description: obsolete by CIO \_\_\_\_\_ ROS Version: [3.3 SMR Number: [1110 ] 1 Last Reviewed: 04/22/1986 Status: closed Target Release: [A line in /etc/profile is incorrect. About midway, there is a case [statement with a label "sh|-rsh)". This should not reference 'rsh', fbut whatever the restricted shell is called these days. SMR Number: [1110 Solution Fix will be included in: Description: I changed the word rsh to rshell as suggested. SMR Number: [1118 1 ROS Version: [3.3 1 1 Keyword: [cat Target Release: Last Reviewed: 04/22/1986 Status: open [cat doesn't work when input and output are sockets, eg: [ rsh ridge cat < /etc/hosts > /tmp/junk [returns: [ cat: input is output This rsh command works fine on other bsd systems [and other programs (eg hexdump) work with input and output on a socket. \_\_\_\_\_ SMR Number: [1125 1 ROS Version: [3.3 1 Keyword: [cc constants Status: closed Target Release: Last Reviewed: 04/22/1986 [The -a option of cc does not work if constants are used in expressions. [Since rc -z does the same thing and works properly, we will not fix [the cc problem. One workaround is to use a variable instead of a [constant. The complete solution is to use rc. SMR Number: [1127 ] ROS Version: [3.3 1 [-L option Keyword: 1 Last Reviewed: 04/22/1986 Status: open Target Release: 1.10 [The -L option of rf should flag format errors. The one it does not catch (is: [ format('bug:'/ [ + ' xxx [ + ' xxx') [Should insert commas. [Also see spr#416. MJ 9/10/85 \_\_\_\_\_ ROS Version: [3.3 1 SMR Number: [1138 1 Kevword: (modem Last Reviewed: 05/06/1986 Status: closed Target Release: ros3.4 [login shell is /bin/sh [login over modem [run vi

(hangup the phone [expreserve and friends get stuck SMR Number: [1138 Solution Fix will be included in: Description: This has already been fixed, at least I couldn't duplicate the problem. Supposedly, the next person who logs in after the phone has been hung up gets the previous shell, jobs, etc., but when I did it. I always got the login prompt. \_\_\_\_\_\_ ROS Version: [3.3 SMR Number: [1142 ] 1 Program: [1p spooler ] Version: [1.0 ] Status: closed Target Release: Last Reviewed: 04/22/1986 [The manual pages for the lp spooler package have a bogus string at the end ] fof each. SMR Number: [1142 Solution 1 Fix will be included in: ros3.4 Description: took out bogus strings, put each page under sccs instead of rcs. \_\_\_\_\_ ROS Version: [3.3 SMR Number: [1144 ] 1-[waterfall cpu 1 Keyword: Status: closed Target Release: ros3.4.ul Last Reviewed: 04/22/1986 [/usr/bin/realdiag goes into debug when run on a system that has waterfall ] [cpu boards. SMR Number: [1144 Solution 1 Fix will be included in: 3.4.ul Description: Added line in cleanup script that removes /usr/bin/realdiag if it exists. SMR Number: [1147 ] ROS Version: [3.3u2 1 Keyword: [ns panics ) Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [network panic: no more big buffers [ns then goes into debug with SIGUSR1 Solution SMR Number: [1147 Fix will be included in: Description: Instead of massive changes suggested in analysis section, we allocate the same amount of buffer space initially, but add the ability to allocate additional buffers (mbufs & big bufs). We can allocate up to 4 times the initial number of each type of buffer. (This limitation is imposed by the size of the tables used to control these buffer pools -- we do not use a linked list, so we can't grow the tables.) In this fashion we can allocate more buffers to accomodate a peak load, but we suffer no performance degradation accessing the initial buffers. There is some performance drop when accessing buffers allocated later. We could have just allocated all of the buffers initially, but since they are rarely necessary, it seemed ridiculous to increase the buffer area so dramatically. SMR Number: [1149 ] ROS Version: [3.3u2 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [telnetd does not display the /etc/issue file. Since important information ] [may be contained in this file telnetd should be enhanced to display the [file as getty does. This should replace the message now displayed: ["Ridge Computers ROS 3.3 (hostname)". SMR Number: [1149 Solution 1 Fix will be included in: Description: It does in ROS 3.4. It no longer displays the banner that was compiled in the source. You must use /etc/issue to get any banner. ROS Version: [3.3u2 1 SMR Number: [1150 1

Keyword: [root ]
Status: on hold Target Release: Last Reviewed: 04/22/1986
[When mail is saved for root (with home directory = /), mail prints the ]

[pathname as //mbox. While technically correct, this is not the normal [pathname for /mbox. ł SMR Number: [1153 ] ROS Version: [3.3 1 Keyword: [from root 1 Status: on hold Target Release: Last Reviewed: 04/22/1986 [Mail received from root has ')' in 'from' line that causes the replies 1 [to generate errors. The ')' comes from /etc/passwd. 1 SMR Number: [1154 ] ROS Version: [3.3 Target Release: Last Reviewed: 04/22/1986 [If rlogin to host and .rhosts and hosts.equiv fail, login should NOT [prompt for login name since it has username already; should prompt only [for Password:. (tested on a sun) 1 \*\*\* SMR Number: [1155 ] ROS Version: [3.3u2 ] Status: closed Target Release: moot Last Reviewed: 04/22/1986 [Modify UM to only allow 'load enable off' shell for rcUM. All others [should run getty/login. Solution SMR Number: [1155 1 Fix will be included in: Description: In ROS 3.4 there is no notion of an rCUM. Control of what runs where is in the hands of the system administrator via /etc/inittab. SMR Number: [1158 1 ROS Version: [3.3u2 1 Status: closed Target Release: Last Reviewed: 04/22/1986 [If 'ld' encounters an error such as an unresolved reference, it leaves (the a,out file around even though the link was not successful. This is [consistent with the documentation (ld(1)). I am suggesting that 'ld' [be enhanced to remove any a.out that was not successfully linked. Solution SMR Number: [1158 Fix will be included in: Description; Will not be fixed, that's the way it works. SMR Number: [1161 ] ROS Version: [3.3 1 Keyword: [drand48(3C) 1 Status: closed Target Release: Last Reviewed: 04/22/1986 [man drand48 changes terminal settings. For instance, on a tvi950 it turns ] [on smooth scroll. On a ridge display, lightening bolts appear. 1 SMR Number: [1161 Solution Fix will be included in: ros3.4 Description: changed 'fixup' script to runn all pages with eqn, tbl through col. ROS Version: [3.3 SMR Number: [1162 ] } Keyword: [echo 1 Status: closed Target Release: Last Reviewed: 04/22/1986 [The cshell builtin command 'echo' should be enhanced so that it understands] [the 'backslash escapes' of the /bin/echo command. [Note from mikej: this should only be done in some way that requires an [action on the user's part to enable the new semantics. Otherwise someone ] [somewhere will be mad at us. Solution SMR Number: [1162 Fix will be included in: Description: I added the expansion of backslash escapes to the built-in echo() function. The function is in the sh.func.c module. The change is enclosed in an #ifdef ridge statement. The ifdef could easily be replaced with a getenv() system call. This way a user could control whether expansion takes place by setting an environment variable. As the code is written now, expansion is always active. SMR Number: [1163 ] ROS Version: [3.3 1 Status: on hold Target Release: Last Reviewed: 04/22/1986

33

[Desire an option in ps to display processes by user. . 1 SMR Number:[1164]ROS Version:[3.3Keyword:[cshell]] 1 ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [Request modification of at/batch to work with cshell scripts. ] SMR Number: [1165 ] 1 ROS Version: [3.3 Keyword: [time Status: open Target Release: Last Reviewed: 04/22/1986 [cron and ftp always report time as PST. [1. What version of ROS is running? 2. In ftp, how is the user getting the ] [time from the ridge? a) when ftp connects to a remote system, the ftpd on ] [that system sends message which includes time it was built. This does not ] [change to reflect local time zone. b) ftp calls gettimeofday() in order to] [do transfer rate calculations in verbose mode. c) ftpd calls time() and ] [ctime() when connection times out, and if loggin is enabled, prints on std ] [err. d) ftpd calls time() and ctime() when a user conncects to system, and] [if logging is enabled, prints on std err. e) ftpd calls time() to update ] [wtmp when a user connects or disconnects. No other time accesses are done.] [ftp and ftpd are 4.2 programs, loaded with the 4.2 libraries for 3.3 releas] [3. sounds like either a library or 4.2bsd ftpd problem. More likely the ] [former since user has same complaint for cron. Perhaps MR 1023 on time [zones with UUCP is related. SMR Number: [1168 ] ROS Version: [3.3u2 ] [signals ] Keyword: Status: on hold Target Release: 3.4 Last Reviewed: 04/22/1986 [Any process running under a UM which runs at a higher priority than the ] [UM can cause the system to hang if it receives a signal while it is in a ] [system call. Eg, /ros/ns. SMR Number: [1170 ] ROS Version: [3.3 ] Last Reviewed: 04/22/1986 Status: closed Target Release: [The correct usage for kermit is: [kermit c[ddhilbep] [line] [baud] [esc] [even[odd] [or kermit s[ddiflbp] [line] [baud] [evenlodd] file... [or kermit r[ddiflbp] [line] [baud] [even[odd] Solution SMR Number: [1170 Fix will be included in: Description: I added the "p" for parity and "even|odd" to the Usage messages to reflect the new enhancement. 
 SMR Number:
 [1173]
 ROS Version:
 [3.3]
 ]

 Keyword:
 [libc]
 ]
 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [strspn function in libc doesn't work right. The actual file for this [function contains the C version and the translation into ridge assembly. 1 [The C version is correct. The translation is wrong. (This is an 1 [important bug to fix if utilities or tools use this function). [Note 10/4/85: strcspn does work. Solution SMR Number: [1173 Fix will be included in: ros3.4 Description: The translation from the C source to assembly language was missing a branch instruction. This code had never worked. It always returned 0! Module: strspn.s ROS Version: [3.3 ] SMR Number: [1174 ] Status: on hold Target Release: 3.4 Last Reviewed: 04/22/1986 [The csh manual and tutorial state that stty commands can be put in the [.login file. Unfortunately, the way the window manager initializes 1 [windows, this won't work on a display. The stty commands must be put in ] [the .cshrc file. This should be viewed as a) a bug, b) an enhancement ] 1 (request, or c) a documentation fix.

[I viewed this problem as a documentation problem, and have changed the (cshell man pages and tutorial to explain that with new windows, a new [shell is started, and therefore, stty commands must be placed in the [.cshrc file. ------SMR Number: [1175 ] ROS Version: [3.3u2 ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [chown system call allows 4.2bsd clients to give away files! Solution SMR Number: [1175 Fix will be included in: Description: Added OS specific processing to chown in UM. Also updated crtl.h for libc changes to set the OS field in the mesage header. [True. This is system V semantics. \_\_\_\_\_ SMR Number: (1176 ) ROS Version: [3.3u2 1 Keyword: [fortran/crt0.o 1 Status: closed Target Release: Last Reviewed: 04/22/1986 [Any FORTRAN program, when executed from the shell, sets \$status to 64. [Therefore, FORTRAN programs cannot be used in scripts which do error [checking. e.g., makefiles. Solution SMR Number: [1176 Fix will be included in: Description: Not a problem. User error. SMR Number: [1178 ] ROS Version: [3.3 ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [stty < /dev/rmt16 causes a file mark to be written to the tape when there ] [is a write ring in the tape. SMR Number:[1179]ROS Version:[3.3]Status:on holdTarget Release:Last Reviewed:04/22/1966 [cut.ex does not convert the termcap entry for the 'bitgraph' correctly. ] [There is an example of the bad entry produced by cut.ex on the hard [copy version of this. \_\_\_\_\_ SMR Number: [1181 ] ROS Version: [3.3u2 1 Keyword: [pipes 1 Status: on hold Target Release: Last Reviewed: 04/22/1986 [the command: [ cat filename | head -2 | tail -1 (with the file "ABCDE FGHIJ KLMNO PORST" [produces "GHIJ". The "F" is missing. This is intermittant. If it doesn't [happen, try it with a big file first, then with this file a few times. ] SMR Number: [1185 ] ROS Version: [3.3u2 1 Keyword: [Record Locking ] Status: closed Target Release: 3.4u3 Last Reviewed: 04/22/1986 [Added System V record locking to the system. [This was implemented in the FileMgr, Kernel, and the VolMgr. [The I/O portion of the runtime was also modified. [The chmod was modified to place a file in manditory locking mode. Solution . SMR Number: [1185 Fix will be included in: ros3.3 SMR Number: [1188 ] ROS Version: [3.3u2 1 Keyword: [ERQUEUEFULL ] Status: closed Target Release: Last Reviewed: 04/22/1986 [s3 (and hood) have gotten: [ UB/DR11: cannot set timer = 1 [This is ERQUEUEFULL from send when ns sends reset timer request to the [timer. Also, on trinity, sendmail hung when it theoretically had set

<pre>[an alarm. ] [1) timer needs a bigger queue ] [2) do we need a mechanism (in the system of in the application) to recover ] [from an alarm not being able to be set? ] Solution ] Fix will be included in: Description:     cannot reproduce</pre>
SMR Number:[1189]ROS Version:[3.3u2]Keyword:[ruptime]Status:closedTarget Release:enet3.4Last Reviewed:04/22/1986[ruptime doesn't work on ridge with a remote vax at UCSB. ruptime indicates][the vaxen are down.(The suns think ridges and vaxen and suns are up;][the vaxen also think everyone is up.)Occassionally, we will correctly][receive an rwho packet from the vaxen (like once a day).]SolutionSMR Number:[1189]Fix will be included in:Description:Disabled UDP checksumming on incoming data.Unfortunately, this has the side effect of disabling it on outgoing data as well. We should beta test this with a variety of non-ridge systems. (UDP is spec'd to accept a zero checksum as correct (which is what we will send when checksumming is disabled), but we don't know if everyone follows this spec.)We should remove this patch when 4.3 BSD is more widely distributed, as it contains the fix for the VAX side of this.
SMR Number:       [1190]       ROS Version:       [3.3]       ]         Status:       open       Target Release:       Last Reviewed:       04/22/1986         [The command 'crypt < file   page' causes the terminal to be left in an ]
SMR Number:       [1191]       ROS Version:       [3.3u2]       ]         Keyword:       [dbx, ^z]       ]       Status:       closed       Target Release:       Last Reviewed:       04/22/1986         [Dbx gets confused after it has been suspended with ^z (under CSH) and then ]       [restarted. i.e.: typing, where before ^z reported state correctly, after ]         [^z garbaged the arguments of the current procedure and printer "Ref ]       [Write Page at 0xfifffffff "repeatedly until <del> was hit. In one case, ]         [dbx resumed execution of the program even though it was not asked to and ]       [the program was stopped a ta break point. It also takes several cursor ]         [returns before a prompt is displayed.      </del>
SMR Number:       [1192]       ROS Version:       [3.3u2]       ]         Keyword:       [ns]       ]       Status:       closed       Target Release:       enet3.4       Last Reviewed:       04/22/1986         [ns gets an ill mem reference in the data segment.       Recreate by:       ]       ]       ]         [       rsh shasta csh -i       ]       ]       ]       ]         [       vi file       ]       ]       ]       ]         [       till       p       ]       ]       ]         [       vi file       ] <t< td=""></t<>
SMR Number: [1196 ] ROS Version: [3.3u2 ] Keyword: [um,getpriority ] Status: closed Target Release: ros3.3.u3 Last Reviewed: 04/22/1986

[The um gets stuck in a loop that hangs the system when getpriority is (called with the which parameter=PRIO USER. Mike J. also thought that [which=PRIO PGRP would do the same. [This impacts the 4.2 utility 'renice'. Solution SMR Number: [1196 Fix will be included in: Description: This was fixed in ROS 3.3 update 3. SMR Number: [1198 ] ROS Version: [3.3u2 1 fros vs. unix Kevword: 1 Status: open Target Release: ros3.5 Last Reviewed: 04/22/1986 [1) mkdir test1 [2) cd test1; pwd (3) mv ../test1 ../test2 [ cd 'pwd' fails \_\_\_\_ SMR Number: [1200 1 ROS Version: [3.3 1 Keyword: [lint 1 Target Release: Status: closed Last Reviewed: 04/22/1986 [Lint uses 'cc' to preprocessa C file. New customers don't have 'cc'! [Lint must be changed to use 'rc' instead. This problem happened at a [customer site. SMR Number: [1201 ] ROS Version: [3.3u2 1 Keyword: [stty, autoflow 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [In stty, the parameter 'autoflow' should be changed to 'cauto' to conform [with the documentation in stty(1) and termio(7). Solution SMR Number: [1201 Fix will be included in: ROS3.4 Description: The "autoflow" option has been changed to "cauto" (Ridge specific hardware feature) to conform with documentation in stty(1) and termio(7). \_\_\_\_\_ SMR Number: [1202 1 ROS Version: [3.3u2 1 Keyword: [4.2 include file ] Status: closed Target Release: 4.2util Last Reviewed: 04/22/1986 [The 4.2 include file, curses.h, is broken. Solution SMR Number: [1202 Fix will be included in: ros3.4.ul Description: Repaired curses.h file SMR Number: [1203 ] ROS Version: [3.3u2 1 Keyword: [4.2 libraries ] Status: on hold Target Release: 4.2util Last Reviewed: 04/22/1986 [How about porting 4.2 libcurses.s and 4.2 libtermcap.a? 1 SMR Number: [1206 1 ROS Version: [3.3u2 1 [eof pascal Keyword: 1 Status: closed Target Release: rp1.8 Last Reviewed: 04/22/1986 [after eof returns true, then subsequent calls to eof return unpredictable ] [values even though the file pointer is still at the end of the file. eof [should continue to return true according to the ISO Pascal standard. Solution SMR Number: [1206 Fix will be included in: rpl.8 Description: eof was trying to read the file even though it knew it was at the end of the file. I added an if statement to simply return true if the file pointer is at the end. \_\_\_\_\_ SMR Number: [1206 ] ROS Version: [3.3u2 1 Keyword: [eof pascal ) Status: closed Target Release: rp1.8 Last Reviewed: 04/22/1986 [after eof returns true, then subsequent calls to eof return unpredictable ]

[values even though the file pointer is still at the end of the file. eof ] [should continue to return true according to the ISO Pascal standard. Solution SMR Number: (1206 1 Fix will be included in: rp1.8 Description: eof was trying to read the file even though it knew it was at the end of the file. I added an if statement to simply return true if the file pointer is at the end. \_\_\_\_ 
 SMR Number:
 [1208]
 ROS Version:
 [3.3u2]
 ]
 Status: closed Target Release: Last Reviewed: 04/22/1986 [We should port release 2 version of this program. We state that we support] [Sys V release 2, yet this utility (and perhaps others) are from release 1. ] Solution SMR Number: [1208 ] Fix will be included in: Description: I "ported" the System 5 release 2 version of cal over from ridge. No changes were necessary. SMR Number: [1347 ] ROS Version: [3.3 ] Status: closed Target Release: never Last Reviewed: 05/08/1986 [Files having 339 extents never get more when attempting to append to file. ] [Experienced in C, f77, and by catting stuff to file. Workaround: cp file ] [to another when large # of extents, then my copy to original name. This ] [leaves less # of extents. Solution SMR Number: [1347 1 Fix will be included in: never Description: This is a limitation of the system. 
 SMR Number:
 [1373]
 ROS Version:
 [3.3]

 Status:
 closed
 Target Release:
 Last Reviewed:
 04/22/1986
 [The command newgrp - <groupname> doesn't cause the environment to be [changed to the one that would be expected if the user actually logged in facain. This is stated in the manuals. All newgrp does is exec another [sh. However, sys V, rel 2 newgrp does change the environment. This is [found in /usr/5/usr/src/cmd/newgrp.c on ridge. Solution SMR Number: [1373 Fix will be included in: Description: I did not find problem given in SMR. I fixed the size of a malloc which was 4 bytes smaller than intended and commented out a no longer used function \*rname(). See the analysis form for more info. 12/19/1985 I ported the system 5, release 2 version. AT&T did not fix the problems I found above so I fixed those before checking it in. AT&T did, however, fix the problem I didn't find above. Everything should be right now. SMR Number: [1382 ] ROS Version: [3.3 ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [The following shell scrpt: ( mt rew [ tar tb 20 [when run on a blank tape (new) appears to have crashed the system. SMR Number: [1417 ] ROS Version: [3.3u] Status: known bug Target Release: Last Reviewed: 04/22/1986 [Please enhance the ROS debugger to preserve the cause of a violation 1 [and give a command to print it out. I submit huge batch jobs through a ] [front-end switch and check on it from time to time. If the job bombs to ] [the ROS debugger, there is currently no way to find out why., [Note that if you disconnect and the line is CLOCAL your process will no [longer go into debug. Core files will be provided at some future release. ] 

SMR Number:[1446]ROS Version:[3.3u]]Keyword:[tapedriver]

<pre>Status: closed Target Release:   [1. findcpio /dev/rmt17 produces 'f   [write protected. If you want to go on   [When the tape in the drive does not ha   [should not have the 'not'.   [2. a) mt fsf &amp; taking the tape drive o   [the prompt coming back to your termina   [ b) mt rew &amp; taking the tape drive o   [locked up terminal.   [Would prefer that the terminal does no   [that there should be consistency betwee</pre>	a, type device file name when ready.' we the write enable ring. Message offline while forwarding results in the l. offline while rewinding results in a but get locked out; however, he feels
SMR Number: [1448 ] Keyword: [tbl ] Status: open Target Release: [tbl modifies tab settings and does not [values after printing the table.	ROS Version: [3.2 and 3.3 ] Last Reviewed: 04/22/1986 reset them to the original ]
SMR Number: [1452 ] Keyword: [emacs ] Status: on hold Target Release: [Start shell in buffer command does not [no new window is started and EMACS is [command. I was able to execute one su [rest failed.	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 work. It appears to execute, but ] still ready to accept the next ] ccessful shell escape, but the ]
SMR Number: [1453 ] Keyword: [emacs ] Status: on hold Target Release: [Prefix character with terminator does [end for query replace and search comma	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 not throw away the ctl-j at the ] nds. ]
SMR Number: [1454 ] Keyword: [emacs ] Status: on hold Target Release: [View Syntax Table output format trunca [reproduce this.	ROS Version: [3.3 ] Last Reviewed: 04/22/1986
SMR Number: [1455 ] Keyword: [emacs ] Status: on hold Target Release: [Keyboard macro does not continue execu [entered and exited. There's one thing [for a while, each time the macro is ex [problem.	ROS Version: [3.3 } Last Reviewed: 04/22/1986 ting after a recursive edit has been ] (C-U C-XQ) that allows user to edit ] ited. Let's see if that fixes this ]
SMR Number: [1456 ] Keyword: [emacs ] Status: on hold Target Release: [Keyboard macros should be expandable t [Elisp language. [No editing in mini buffer for search c [Word/character toggle would be nice fo [arrow could move either a character or	ommand. ] r movement commands so that forward ] a word. ]
SMR Number: [1457 ] Keyword: [tar ] Status: closed Target Release: [tar does not restore the mtime. Is th [call? If so, when will that be fixed, [released? [The AT&T version works fine. Customer [version which does not maintain the or	or when will that call be ] was probably using the Berkley ]
SMR Number: [1458 ] Program: [rp ]	ROS Version: [3.3 ] Version: [1.6 ]

Keyword: [ro 3 Status: closed Target Release: Last Reviewed: 04/22/1986 [End of file test fails with attempt to read last end of file when called ] [twice at the end of the file. Here's an example: 1 program essfic1(input,output); type elem=record il:integer: end; var f1:file of elem: i:integer; begin rewrite (f1, 'ficpas'); f1^.i1:=1; put(f1); f1^.i1:=2; put (f1); reset (f1); writeln('record 1, value:',f1^.i1); get (f1); writeln('end-of-file =',eof(f1)); writeln('record 2, value:',f1^.i1); get (f1); writeln('end-of-file =',eof(f1)); writeln('end-of-file =',eof(f1)); end. Solution SMR Number: [1458 1 Fix will be included in: Description: This is a duplicate of smr 1206. SMR Number: [1459 ROS Version: [3.3 1 1 Version: [1.6 Program: [rp 1 Status: closed Target Release: Last Reviewed: 04/22/1986 [reset does not work when several pascal files are connected to the same ] [physical file. Here's an example: 1 program essf2(input,output); type elem=record il:integer: end; var fl:file of elem: f2:file of elem: i:integer; begin rewrite (f1, 'ficpas'); for i:=1 to 10 do begin f1^.i1:=i; put (f1) : end; reset (f2, 'ficpas'); for i:=1 to 10 do begin writeln('record ',i,' value:',f2^.i1); get (f2); end: end. SMR Number: [1459 Solution 1 Fix will be included in: Description:

This is not a bug. Pascal does not have a "close" statement which

normally is used to tell the system to "flush" the buffer. In this case, when the user is "finished" writing to the file, some of the data is in the file buffer and has not been written out yet. When the reader tries to read the file, the file is empty. The programming solution to this problem is for the writer to do a "reset" when it is finished writing to the file. The reset in this case acts like a "close" and will flush the buffer. The reader will then be able to read the file completely.

SMR Number: [1460 1 ROS Version: [3.3 1 Version: [1.6 Program: [rp 1 Status: closed Target Release: rpl.9 Last Reviewed: 04/22/1986 [When a run-time error occurs the results written on 'output' file are [lost if the stdout is redirected to a file. [The execution produces: with stdout not redirected: record 1, value : 1 end-of-file = false record 2 value : 2 end-of-file = true end-of-file = Attempt to read past end of file.stdout redirected to a file (a.out > result) -the file result is empty. -the error message 'Attempt ... ' is issued on the CRT. SMR Number: [1460 Solution Fix will be included in: rp1.9 Description: This is not a bug, strictly speaking. Pascal I/O goes through the standard UNIX IO. File I/O is buffered by default. That is, program output is accumulated until there is "enough" of it to be written out. So, if the program terminates abnormally, all the data that has been accumulated but not written out yet, is lost. I/O to the terminal is not buffered. The buffer size is 4k by default. This occurs in C and Pascal both of which go through standard IO. There is a system call, setbuf (3S) which you can call in your program to tell the system NOT to buffer IO to a particular file. This call is easily made from a C program. For release 1.9 of rp, we will provide the include files and interfaces to make this call easily callable from Pascal as well. Note that standard error is unbuffered by default. ROS Version: [3.3 SMR Number: [1461 1 1 Version: [1.6 Program: [rp 3 Last Reviewed: 04/22/1986 Status: open Target Release: [Compiler does not check constant sets. [Example: [ program esset(input,output); { var a:integer; begin a:=32: if a in [32] then writeln('pass') else writeln('fail'); end. [If compiled without the -i option: no compilation error, and [the execution produces: fail. ROS Version: [3.3 SMR Number: [1462 1 Version: [1.6 Program: [rp 1 Target Release: rpl.8 Last Reviewed: 04/22/1986 Status: closed [Sets containing more than 32 elements and the use of the compiler [extensions are incompatible. Would like to have a separate compiler [option to allow sets to contain more than 32 elements. Solution SMR Number: [1462 Fix will be included in: rp1.8 Description: An option (-j) has been added to control the set size. This is now independent of the -i (for iso extension) switch. SMR Number: (1463 ROS Version: [3.3u2 1 Version: [1.50 Program: [tapedriver 1

Kevword: . ] lupdated as usual so that calls to read the mouse still function properly. ítape Status: closed Target Release: ros3.3u5 Last Reviewed: 04/22/1986 [This capability would make it easier for users to implement user-defined [When reading a multi-file tape, the tapedriver intermittantly misses EOF ] [cursors. [marks. Driver completes and returns a record with a length equal to the ] [originally requested length. Contents of record is unknown. SMR Number: [1470 ] ROS Version: [3.3u2 ] Keyword: [FORTRAN I/O speed ] SMR Number: [1464 ] ROS Version: [3.3u2 1 Status: closed Target Release: rf1.8 Keyword: [XON/XOFF [FORTRAN I/O is too slow. It does too many seeks that it doesn't have to. Status: open Target Release: Last Reviewed: 04/22/1986 Solution [When using stty with BSD option for setting start/stop characters the Fix will be included in: rf1.8 [option seems to work when they are set to different characters but when [set to the same character for toggle mode it does not. When set to the SMR Number: [1471 ] ROS Version: [3.3u2 ] 1 [same character the stop character will not stop the output. Keyword: [kermit 1 Status: open Target Release: SMR Number: [1465 ] ROS Version: [3.3 ] Status: closed Target Release: ros3.4.ul Last Reviewed: 04/22/1986 [When using a range-specification in a 'scanf' scan-set, the last element ] [been done to 'cu' for 3.3. [of the range is not accepted by the scan-set. For example, [%[0-9] behaves as %[012345678], not as %[0123456789]. -------Solution SMR Number: [1465 Fix will be included in: 3.4.ul Description: Fixed coding error on /usr/src/lib/libc/port/stdio/doscan.c where the range of a scanset was being improperly calculated (setup()). Solution SMR Number:[1466]ROS Version:[3.3]Status:closedTarget Release:Last Reviewed:04/22/1986 ROS Version: [3.3 ] Fix will be included in: rc1.8 Description: [It would be very useful if the Ridge implementation of the C compiler [would allow static initialization of unions. SMR Number: [1466 Solution release. Fix will be included in: Description: Status: open Target Release: will not be fixed until specified in the C standard SMR Number: [1467 ] ROS Version: [3.3 ] Status: closed Target Release: Last Reviewed: 04/22/1986 [It would be useful to have login c-shells execute a file /etc/login 1 [before the user's \$HOME/.login. This would be similar to the Bourne 1 [shell's execution of /etc/profile. 1 Solution SMR Number: [1467 1 Fix will be included in: ros3.4 Description: Fixed by adding /etc/profile.csh to the system. SMR Number: [1468 ] ROS Version: [3.3 ] Status: on hold Target Release: Last Reviewed: 05/08/1986 [When continuing an interactive command line with "\<CR>" from a [non-display terminal (Heath/Zenith 29), sh saves up all PS2 (continuation) ] [prompts and prints them after command entry has completed. [Example: {\$ echo a\ Solution [b\ Fix will be included in: ſc Description: [> > abc [\$ SMR Number: [1475 ] [Should be: \$echo a\ 1 > b\ Keyword: [magic > c abc S [0] short 0x1fle ۱O short SMR Number: [1469 ] ROS Version: [3.3 ] Solution Keyword: [mouse cursor ]

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Last Reviewed: 04/22/1986 Status: known bug Target Release: (Suggest adding the ability to disable the display of the mouse cursor (when using the window manager. The cursor position should still be

Last Reviewed: 04/22/1986 [Kermit should use the same /usr/spool/uucp/LCK..ttyx file that is used (by 'uucp' to prevent the two applications from stepping on each other [when using the same outgoing modem port. This enhancement has already 
 SMR Number:
 [1472]
 ROS Version:
 [3.3]

 Program:
 [rc]
 Version:
 [1.6]

 Status:
 closed
 Target Release:
 rcl.8
 Last Reviewed:
 04/22/1986
 [Casting a simple integer into a character works correctly, but when [trying to cast an element of an array, zero is returned. SMR Number: [1472 1 Actually, the problem was with some casts of integer to char. We had already run into it and fixed it internally. It will be part of the 1.8 SMR Number: [1473 ] ROS Version: [3.3 ] Last Reviewed: 04/22/1986 [Sometimes when newaliases is run, it creates a null aliases.dir file. [A warning is displayed: 'Warning: alias database is out of date' and [if newaliases is run again, it usually corrects the aliases dir file. [aliases.dir is allocated in multiples of 4K bytes, while aliases.pag is [allocated in 1K byte chunks. In building the aliases database, nothing is ] [written to the aliases.dir file until the aliases.pag file overflows the ] [first 1K block. From that point on, aliases.dir contains a bit map for the] [1K blocks of aliases.pag. So, in the case where aliases.pag is 1024 bytes ] [in length, it is normal for aliases dir to be zero length. ] 
 SMR Number:
 [1474]
 ROS Version:
 [3.3]

 Status:
 closed
 Target Release:
 Last Reviewed:
 04/22/1986
 [If the line 'ex:something:' is placed in a file, the next time that file is] [edited, an error message is displayed about such and such (whatever [character follows the colon] is not an editor command. [Note from customer: this also occurs on a masscomp and a vax. [This is even a problem when it's 'tex', etc. SMR Number: [1474 undocumented feature- that's the way it works 

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Last Reviewed: 04/22/1986

SMR Number: [1470

ROS Version: [3.3u2 1 Status: closed Target Release: ros3.4.ul Last Reviewed: 04/22/1986 [add the following entries to the distribution /etc/magic file: 0x1f9d netnews compressed batch pack(1) compressd file SMR Number: [1475 Fix will be included in: ros3.4.ul Description: Added netnews compressed batch and pack(1) compressed file numbers

MR Number: [1476 ]	ROS Version: [3.3u2 ]
eyword: [scanrange ] tatus: closed Target Release: [Intermittently, the system will print a [on the system console:	Last Reviewed: 04/22/1986 number of the following message ]
[ Scanrange, found free page (typ [followed usually by:	
[ DeleteMap(Free) <> FreeMapList [ Flip Load Enable to continue [The system never recovers from this con [problem have failed. However, the prob [a heavy load. No other correlation is e	lem usually occurs on systems with ]
MR Number: [1477 ] rogram: [emacs ]	ROS Version: [3.3u2 ] Version: [1.0 ]
rogram: [emacs ] eyword: [bad keystrokes ] tatus: closed Target Release: emacs [Someone was using EMACS on a Wyse termi [was not understood by EMACS, but which [apparently did not set the terminal bac [this abnormal termination. This caused [a state where he was immediately logged	<pre>1.1 Last Reviewed: 12/15/1986 nal and hit a key that evidently ] caused it to abort. EMACS ] k to the original state upon ] the terminal to be left in ] out.</pre>
[Emacs needs to be tidier. olution	] SMR Number: [1477 ]
ix will be included in: emacs1.1	
<pre>escription: Added code that will cause the terminal mode. (/usr/src/cmd/emacs/src/e_io.c).</pre>	
MR Number: [1478 ]	ROS Version: [3.3u3 ]
eyword: [enumerated types ] tatus: closed Target Release: rc,rf	,rpl.8 Last Reviewed: 04/22/1986
[enumerated types do not print out correolution	SMR Number: [1478 ]
escription: The size of the enumerated type variabl the object file is read in, and it was variable was being printed.	not being proprely checked when the
MD Numberry [1470]	ROS Version: [3.3u2 ]
eyword: [unsigned mod ] tatus: closed Target Release: ccl.3 [In a c program, the instruction:	Last Reviewed: 04/22/1986 ] }
<pre>[ v=1000.000; [ res=(v/100)%10;</pre>	]
[gives a wrong result. [It was working in Ros 3.2.	j
olution ix will be included in: cc1.3	SMR Number: [1479 ]
escription: Re-wrote all the templates in table.c f scratch registers obtained are returned This necessitated leaving the result of hand node of the tree, rather than in c registers. Unfortunately, the code ger possibly several unneccessary moves. C of MOD or DIV is left in left node and register allocation, with a fatal compi occurs.	at the end of the operation. The DIV or MOD in the left one or the other of the scratch merated is quite obscene with changed local2.c so that the result added a check for discontiguous
MR Number: [1480 ] eyword: [code generation ]	ROS Version: [3.3u2 ]

Fix will be included in: ccl.3 Description: Changed cc code generater to make it compatible with rc. SMR Number: [1481 ] ROS Version: [3.3u2 1 [field \$1 Keyword: Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [The command {print \$1} for awk should print the first field of every line. ] [Instead, it prints the entire line. If you use the supposedly equivalent [command {printf("%s\n",\$1)}, the correct result is produced -- i.e. only [the first field is printed for each line of input. SMR Number: [1481 Solution Fix will be included in: Description: No problem. Stripping awk causes it to work properly. SMR Number: [1482 ] ROS Version: [3.3 Status: closed Target Release: ros3.3u5 Last Reviewed: 04/22/1986 [While displaying the contents of an array with dbx, if one strikes the [DEL key to stop output, dbx is trashed from then on. Solution SMR Number: [1482 Fix will be included in: Description: Fixed in ROS 3.4 Update 1. \_\_\_\_\_ SMR Number: [1483 ROS Version: [3.3u3 1 1 Program: [libm.a Version: [1.47 1 - 1 Keyword: [loops on infinity ] Status: closed Target Release: rc,rf,rpl.8 Last Reviewed: 04/22/1986 [d atan and r atn2 (both assembly language math functions) loop when their ] [input is infinity. Solution SMR Number: [1484 Fix will be included in: Description: SMR Number: [1485 ] ROS Version: [3.3 1 [/usr/lib/xcpp Keyword: 1 Target Release: 3.5 Status: open Last Reviewed: 04/22/1986 [cxref or /usr/lib/xcpp apparently has a couple of undocumented limitations ] [which cause it to unexpectedly fail. There are two problems: 1) there fexists a limitation to the number of #define symbols which cxref or xcpp [can handle. 2) xcpp (as used by cxref) truncates some symbols to their first eight characters. This means that a number of constants in [/usr/include/sys/\*.h files cannot be processed because the names are not [unique in 8 characters. Test program; [#include <stdio.h> f#include <sys/param.h> [main() [{ printf("Hello world\n"); } IIt behaves differently when the includes are reversed. SMR Number: [1486 1 ROS Version: [3.3u2 1 Program: [awk/strip Version: [1.11 1 Status: on hold Target Release: 3.4 Last Reviewed: 04/22/1986 [A problem was discovered with 'awk'. This particular version had not [been stripped. Using the same executable, but stripped caused 'awk' Ito work properly. \_\_\_\_\_ ROS Version: [3.3 SMR Number: [1488 ] 1 Kevword: [signals 1 Target Release: Status: Last Reviewed: (When using make (on cshell) and the del key is hit, that terminal hangs, [and then if you try to kill the job from another terminal, the second (terminal hangs, etc. \_\_\_\_\_ SMR Number: [1489 1 ROS Version: [3.3u3 1

Last Reviewed: 04/22/1986

SMR Number: [1489

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Fix will be included in: f771.3	1115
Description: A check had been added to libI77 to not allow the reading of records longer than 1MB. This was an attempt to catch erroneous programs. Unfortunately, some people have records that ARE larger than 1MB. I have now added a check to see if the record being read is of size less than or equal to the number of bytes left in the file. Since the check involves a call to fstat and a call to ftell, it is expensive. Therefore, the check is only done when the size of the record being read is > 1MB. The implication is that we only catch erroneous programs if they attempt to read a record larger than 1MB. This is okay since we can't catch all errors anyway.	SMR Numbo Program: Keyword: Status: [The e: [when to [it giv [error SMR Numbo
SMR Number:       [1490]       ROS Version:       [3.3u2]       ]         Keyword:       [truly zero]       ]       Status:       closed       Target Release:       rf1.9       Last Reviewed:       04/22/1986         [A number that is truly zero, as opposed to very close to zero, in F and G ]       ]	Program: Keyword: Status: [Get in [the de
<pre>[format is printed as 0. This is a Ridge extension. There is a conflict, ] [however, if the user tries to print this number with a f2.1 format because ] [there is no space before the "." left for the zero. As a result, we print ] [just "." instead of ".0". [We should make a special check for this case and print .0. ] Solution SMR Number: [1490 ] Fix will be included in: rf1.9 Description:</pre>	SMR Numb Program: Keyword: Status: [Custon [by th
I added a check to explicitly look for the case when a truly zero is being printed but there is no space to the left of the decimal point. MODULE: wrtfmt.c	SMR Numbe Program: Status: [At lea
SMR Number:       [1491]       ROS Version:       [3.3]         Keyword:       [prototype file]       ]         Status:       closed       Target Release:       ros3.4.ul       Last Reviewed:       04/22/1986         [In the prototype file for sendmail, the line for local mail (Mlocal)]       ]       [specifies P=/bin/mail.]]         [As it been fixed?       ]         Solution       SMR Number:       [1491]         Fix will be included in:       3.4.ul       SMR Number:       [1491]         Pescription:       The ridge.cf and trinity.cf files look ok.       Changed 'P=' line in uucpproto.cf to 'P=/bin/binmail'.	[swite] [an il: [involv Solution Fix will Descript: On a p lookin they a wondep the lo
SMR Number:       [1492]       ROS Version:       [3.3u3]         Program:       [string.h]       Version:       [1.2]         Keyword:       [string.h strlen]       J         Status:       open       Target Release:       ros3.4       Last Reviewed:       04/22/1986         [strlen and several others are missing from string.h.       The system V       ]       [include file is CORRECT.       ]	SMR Numbe Status: [The a: [the ld [ignore [a code]
SMR Number:       [1493]       ROS Version:       [3.3]       ]         Keyword:       [bad ifdef]       ]       ]       ]         Status:       open       Target Release:       Last Reviewed:       04/22/1986         [This include file has an ifdef that enables a #define PageSize and       ]       ]         [disables #define NBPG (among other things).       Is there a reason that       ]         [these other things need to be disabled?       ]	SMR Numbo Status: [The [point [code 1 [speci]
SMR Number:       [1494]       ROS Version:       [3.3]         Program:       [GH compilers]       Version:       [1.8]         Keyword:       [assembly code]       ]         Status:       closed       Target Release:       rc,rf,rpl.9       Last Reviewed:       04/22/1986         [The assembly language generated for strings should be in string]       ]       [form, not a series of numbers.       Makes it much easier on those of]       ]         [us who look at the assembly language output while trying to       ]       [find compiler bugs.       Other compilers do this.       ]         Solution       SMR Number:       [1494]       ]	SMR Numbe Keyword: Status: [In cen [ The pn [ 5 [ 5 [ 5 [ 5 [ 5 ]

Keyword:

Solution

Status: closed

file I/O

- 1

Target Release: rf1.9

Fix will be included in: 1.9 Description: This is fixed in the lab and will be in release 1.9 of the compilers. ber: [1495 1 ROS Version: [3.3 1 Version: [1.8 1 : [rc 1 [error messages 1 : on hold Target Release: rc1.9 Last Reviewed: 04/22/1986 error messages are much better than pcc. However, rc doesn't know to guit. Someone should put in a heuristic which will make ive up when it is hopelessly lost and is dishing out useless r messages. ----ROS Version: [3.3u3 ber: [1496 ł Version: [1.18 : [vi 1 1 1 [ctrl c Last Reviewed: 04/22/1986 on hold Target Release: into 'vi', but before it has started up, type ^C. It goes into debugger. \_\_\_\_\_ ber: [1497 ROS Version: [3.3u2 1 1 : [fdlp 1 Version: [1.20 [ctrl 0 1 : Last Reviewed: 04/22/1986 on hold Target Release: omer cu's from the ridge to the fortune box. ^0 is being intercepted he ridge. This isn't sopposed to happen. It should let it go through.] ber: [1498 1 ROS Version: [3.3u2 1 : [ns 1 Version: [1.26 Last Reviewed: 04/22/1986 closed Target Release: enet3.4 east once a day the system hangs, all terminals stop responding. When ] ch 0 is pressed, instead of going into rbug, ns goes into debug with llegal memory reference in the code segment. Those users who are not lved in networking activities are able to continue working. SMR Number: [1498 n 1 be included in: tion: receive buffer error, simulate an end of packet condition. Also, when ing for an end of packet, if we've looked at every receive buffer and all belong to us, but there is no end of packet, give up and reset the erboard ethernet driver (don't reset TCP, IP, socket stuff, etc, just low level driver). ROS Version: [all ber: [1499 1 Last Reviewed: 04/22/1986 open Target Release: 3.5 as assembler accepts a 'p' suffix on all load instructions to indicate ] load should be done from the code segment. The assembler appears to re this suffix, however, relying on the type of the operand to generate de or data relative load. \_\_\_\_\_ \_\_\_\_ ber: [1500 1 ROS Version: [all 1 Target Release: 3.5 Last Reviewed: 04/22/1986 open -e option to the linker, ld, does not actually change the entry t of the program. It appears that the code start address in the file header always has the same value, independent of any ification of a -e option. \_\_\_\_\_ \_\_\_\_\_ ber: [1501 ROS Version: [3.3 ] 1 [cron Target Release: ros3.4 Last Reviewed: 04/22/1986 closed ertain cases, cron will not execute a command from a crontab file. problem arises when: \* The crontab entry has multiple values in the minute field \* The hour field in the crontab entry has specific hour value(s) \* The crontab file is installed on the same day of scheduled execution] \* The crontab file is installed X minutes after the hour,

where X is between the smallest & greatest minutes field value The symptoms are: \* In the 1st several attempts, (where the minutes field < X) cron will ] not execute the command. Once cron starts executing the command. however, the command will run at the correct times. Solution SMR Number: [1501 Fix will be included in: Description: I added the code succested by the AT&T System Support & Update News 11/85 issue on page 10. It is in the module "cron.c", in the function "next time(e)", on lines 871, 890-892. SMR Number: [1502 ] ROS Version: [3.3 1 Keyword: [date prompt 1 Last Reviewed: 04/22/1986 Status: open Target Release: [The customer urgently requests that startup be modified to allow booting ] (without checking the date so the system can come up unattended. 1 ROS Version: [3.3 SMR Number: [1503 ] 1 Keyword: ſmake · 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [This fix was suggested by the AT&T customer support sheet/newsletter. SMR Number: [1503 Solution Fix will be included in: Description: I changed the while in function "execat" in module "misc.c" from: while (\*s1 && \*s1 != KOLON && \*s1 != MINUS) to: while (\*s1 && \*s1 != KOLON) as suggested in code fix sheet from AT&T. SMR Number: [1504 1 ROS Version: [3.3 1 Keyword: [pg] ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [This fix was suggested by the AT&T customer support "newsletter". Solution SMR Number: [1504 Fix will be included in: Description: I checked in the suggested fix. Though it didn't seem to fix anything, the use of putp instead of pr is appropriate as well as compatible with AT&T's idea of how pg should look. ROS Version: [3.3 SMR Number: [1505 ] 1 Keyword: [pg 1. Status: on hold Target Release: ros3.4 Last Reviewed: 04/22/1986 [Do a "pg \*" on a directory of files. Type "n" at the prompt given by pg [and press <CR> to skip to the (n)ext file. Pg prints a message indicating ] (the name of the next file. This message has what seem like trash [characters (",V,F,lightning-bolt) on the end of it. - - -ROS Version: [all SMR Number: [1506 1 Last Reviewed: 04/22/1986 Status: closed Target Release: [When declaring a parameter within a procedure when the parameter is less [than 4 bytes long, the wrong address is generated. If, for example, you [have a 2 byte long structure declared as the first parameter to a (procedure, then the address generated is R15,26 instead of the correct [address R15,24. SMR Number: [1506 Solution Fix will be included in: Description: Changed code.c so that allocating structure parameter addresses no longer calls oalloc. Instead it simply knows the next 8 byte boundary on the stack is the next parameter slot. Then it adds the size of the structure to the address and rounds up to the next 8 byte alignment. .

SMR Number: [1507 ] ROS Version: [3.3u3 ]

Keyword: fshutdown 1 Status: open Target Release: 3.4 Last Reviewed: 04/22/1986 [Manual indicates that we have Sys V shutdown(1). This is not true. 1 SMR Number: [1508 ] ROS Version: [3.3u3 1 Keyword: [/etc/rc Status: open Target Release: 3.4 Last Reviewed: 04/22/1986 [Example in Local Area Network User's Guide for /etc/rc does not [reflect the version currently distributed as /etc/rc.3.3 SMR Number: [1509 1 ROS Version: [3.3 1 Program: [rc Version: [1.6 1 Status: closed Target Release: rc1.9 Last Reviewed: 04/22/1986 [Since both cc and rc 1.6 treat chars as unsigned by default, a normal EOF [test of getc() will always fail. This is due to the fact that the compiler] [will not promote the 255 to an integer -1 for the comparison. [While the customer understands why this has been done, and how to work [around the problem, it would be nice if the compiler would, by default, [properly compile the following: [while ((ch = getchar()) != EOF) [ putchar(ch); Solution SMR Number: [1509 Fix will be included in: Description: The example program ((ch = getchar()) !=EOF) is not good programming practice. You should at least use an int instead of ch. But, of course, there are programs that contain this kind of code. The rc compiler has an option (-k) that instructs it to treat char's as signed. You can use this option for these situations. Please be advised that signed chars are much slower on the Ridge than unsigned chars. This smr does not require any code change. SMR Number: [1510 ] ROS Version: [3.3u2 1 Keyword: [ctrl-x 1 Status: on hold Target Release: Last Reviewed: 04/22/1986 [On a monochrome display, line erase (ctrl-x) of an excessively long line [(1000+ chars) immediately erases the current line and returns to the [command level as it should. However, the same activity on a serial or [network line causes the entire system to hang for 45 to 90 seconds (or [four minutes!) before returning control to the user. We have seen some [cases where the system has not recovered from this state. An examination [of the processor lights shows that the system is running in a very tight [loop when this event occurs. SMR Number: [1511 ] ROS Version: [3.3u2 Status: on hold Target Release: Last Reviewed: 04/22/1986 [Since ROS causes a process to trap to the debugger rather than core dump, [as a BSD 4.2 system would, the external program interface is significantly ] [different. For most human users, this is not a hardship, however, we have ] [a number of computers pretending to be users through normal serial lines. ] [Our normal way of returning the line to a consistant state is to send [multiple ctrl-d's (EOF) until we logout the job. [Our recommendation is to allow the debugger to treat the INTR and EOF [characters, as well as the terminate signal (15) as a KILL PROCESS command.] [This would allow us to use the same interface to a ROS system that we use ] [with a BSD 4.2 system. SMR Number: [1512 ] ROS Version: [3,3u2 1 Program: [rc 1 Version: [1.8 1 Keyword: [SIGSEGV } -Status: closed Target Release: Last Reviewed: 04/22/1986 [The example code in /usr/beth/exp/1512.c when compiled with rc (with [or without -O optimization] runs for a while, then fails with a SIGSEGV [signal to the debugger (Illegal Memory Reference in the Code Segment). [The same program compiles and runs fine when using cc. Solution SMR Number: [1512

Fix will be included in:

Description:

real problem. This could be a system to the compiler? From Beth: This was a problem with	ease give me more info if there is a n problem which you somehow attributed the customer's code.	This is alread a libraries. That explicitly take Requires no code 
[limit of 33] extents per file. The [over time and maintained by a progra [closed. It would be nice if open ww [(not a hard minimum) extent size foo [Alternatively, ioct] could be enhand [recommended extent size could be ac	r the file could be specified. ] ced so that a file descriptor and ]	SMR Number: [1518 Keyword: [getpg Status: closed [Getgrp should be Solution Fix will be included Description: Added getpgrp to 
SMR Number: [1514 ] Status: closed Target Release: ref [The example in /usr/beth/exp/1514.c [states it should do. The BSD 4.2 op [NOT exist, and returns a descriptor [states "If O EXCL is set with O CREJ [the open returns an error. This can [exclusive access locking mechanism." Solution Fix will be included in: Description: Fixed in ROS 3.4.	ROS Version: [3.3u2 ] bs3.4 Last Reviewed: 04/22/1986 does the opposite of what the manual ] ben returns an error if the file does ] if the file DDES exist. The manual ] AT, then if the file already exists, ] h be used to implement a simple ]	Keyword: [rf w: Status: closed [If a customer has [Fortran and C son [/usr/lib/rccom, s [If this is incom [then paragraph 3 [accept C (& Pasca Solution Fix will be included Description: The next manual of
SMR Number: [1515 ] Status: closed Target Release: [Customer is using 25' shielded cable [it seems to drop characters (leading	ROS Version: [3.3u2 ] Last Reviewed: 04/22/1986 on a recently serviced Versatec and ] y spaces) sometimes on plots and prints ] em load. ]	the new compilers foreign language. There are two rea 1- The most impor supporting the of customers proper1 problems It wow
SMR Number: {1516 } Program: [rf } Keyword: [dbx with rf ] Status: closed Target Release: r:	ROS Version: [3.3u3 ] Version: [1.8 ] f1.9 Last Reviewed: 04/22/1986	problems. It wou special pains to 2- There are some compilers. It wo tried to accomoda
<pre>[variables. Works correctly with f7 [example: [ character*8 a,b [ a="aaaaaaa" [ b="bbbbbbbbb"</pre>	] ] ]	SMR Number: [1520 Keyword: [breal Status: closed [When a ~b is used [a 220 millisecond
<pre>[ print b -&gt; "bbbbbbbbb" Solution Fix will be included in: rf1.9 Description: The problem has been fixed in the la release of the compiler.</pre>	bbbbbbb" should be "aaaaaaaa" ] this one is OK ] SMR Number: [1516 ] ab and will be included in the next	SMR Number: [1521 Program: [debug Status: closed [Debug prints the [ debug: interna] [Reproduce as fol] [does a "signal(S]
SMR Number: [1517 ] Program: [rf ] Keyword: [rf ] Status: closed Target Release: r: [rf should be enhanced to allow renar	1.9       Last Reviewed: 04/22/1986         ning to f77 so that customers       ]         ls understood that some of the less       ]         be changed in makefiles.       ]	[the process into [In xmit, set a pe [tion following th [into debug, check] [Sometimes one or [the error will or Solution Fix will be included Description: fixed debug to ma
Fix will be included in:	STA Adabet. [101/ ]	SMR Number: [1522

allowed in rf 1.8. You have to be careful, however, with is, if you change the name rf to f77, you will need to care of loading the FORTRAN libraries. le change. 8 1 ROS Version: (3.3u3 ł pgrp 1 Target Release: ros3.4 Last Reviewed: 04/22/1986 be added to the system V libc. SMR Number: [1518 ied in: o libc. Added OS specific operation to UM. 9 ROS Version: [3.3u2 1 1 Version: [1.6 1 1 without rc 1 Target Release: Last Reviewed: 04/22/1986 has purchased 'rf' and NOT 'rc' he is unable to pass both sources to 'rf'. If the new compiler driver can't find should it try to execute the old 'cc' compiler instead? onvenient for technical reasons (i.e. option incompatability)] 3 should be updated to indicate that the compiler will only ] scal) files if 'rc' & 'rp' are present (in the man pages). SMR Number: [1519 1 led in: 1.9 update will make this point clear. It will state that only ers are used on the source files that are written in a ıe. ceasons for not making the driver invoke the old compilers: portant reason is that we have announced that we are not old compilers any more. This was never communicated to the erly in the first place and has caused a lot of confusion and ould not be wise for us to come out with a product that takes o support the old compilers at this time. ome conflicts in the use of options by the old and the new would be confusing for both the driver and the user if we date both compilers. -----20 1 ROS Version: [3.3 1 ak 1 Target Release: Last Reviewed: 04/22/1986 sed, the Cray does not receive the break. The cray needs ond break sent. 1 ROS Version: [3.3u3 1 1 ] Version: [1.17 1 1 Target Release: ros3.4 Last Reviewed: 04/22/1986 e error: al error, can't find afterbranch breakpoint ollows. There are 2 programs, xmit & recy, each of which SIGUSR2,SIG DBG)" and later "kill(getpid(),SIGUSR2)" to put [ o debug. The kill is in the main processing loop of each. permanent breakpoint on a call, and another on the instructhe call. Exit debug. Each time one of the processes goes ck where debug thinks the breakpoints are, and then exit. or both breakpoints will move to the process, and then later ] occur. Sometimes, these events will occur together. SMR Number: [1521 led in: maintain proper notion of current process. 

ROS Version: [3.3u2

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42

Keyword: [cu LOCK files ] Status: open Target Release: ro [cu(1) man page should be changed to [Lock file name is /usr/spool/uucp/LC [Message generated when file exists a ["Requested device not available"	document LOCK files added with 3.3. ] Kttyx ]
[worked with the previous version of Solution Fix will be included in: rf1.8A Description: The lib177.a included with rf 1.8 co to FORTRAN IO. This library was comp	bad status to be returned. This code ] libI77. ] SMR Number: [1523 ] ntained Bull's performance enhancements iled with a new option -DOPTLIBI.
The libU77 library, however, also us had been changed subject to the OPTL we saw an incompatibility between th makefile for libU77 and rebuilt it.	IBI flag. Since libU77 was not rebuilt,
SMR Number: [1524 ]	ROS Version: [3.3u3 ]
Keyword: [conversion ]	-
[an unsigned short to a signed shor. [both comparands to int and then the [convert to int first. Therefore the [ unsigned short a;	code when the program tries to compare ] In particular, it should first convert ] signed to unsigned. Rc 1.8 does not ] following code sequence: ]
[ short b; [ a = 32788;	]
b = -32784;	1
<pre>[ if (a ==b) [ printf ("equal\n"); [ else</pre>	] ] ]
<pre>[ printf ("not equal\n"); [ should print "not equal". It prints</pre>	equal".
Solution Fix will be included in: rc1.9 Description:	SMR Number: [1524 ]
Module getcompat whas changed to alw are short, before doing the unsigned	ays promote its operands to int if they to signed conversion.
SMR Number: [1525 ] Keyword: [sendmail distribut.]	ROS Version: [3.3u3 ]
Status: closed Target Release: ro [The sendmail programs are also usefu [However, these sites do not have the [only on the enet floppy. Please con	l for sites running only uucp. ) programs as they are distributed ) sider distributing these programs )
[as part of the basic ROS floppies. Solution	] SMR Number: [1525 ]
Fix will be included in: ros3.4 Description: This is now included on the baseline	
SMR Number: [1526 ] Keyword: [complex power ] Status: closed Target Release: [the complex number power function po [z_div expects three arguments. the	
[what type of garbage z div picks up [be a data alignment violation, or an [answer.	as its third argument. it could ]
Solution Fix will be included in: rf1.9	SMR Number: [1526 ]

Description: pow_zi calls z_div with two arguments. this is the way the system 5 code look the 4.2 code has apparently fixed this I copied the 4.2 code for the call to	ts also (libF77 came from sys 5). s, they pass three args to z_div. z_div.
SMR Number: [1527 ] Status: closed Target Release: [Customer is strongly requesting that w [command.	ROS Version: [3.3u2 ] Last Reviewed: 12/08/1986
Solution Fix will be included in: Description: Duplicate of SMR# 858. See solution t	SMR Number: [1527
SMR Number: [1528 ] Status: closed Target Release: ros3 [The on-line man page for msgs exists, Solution Fix will be included in: ros3.4u1 Description: moved location of /usr/msgs/msgs to /usr	ROS Version: [3.3u2 ] 8.4 Last Reviewed: 04/22/1986 but the executable does not. ] SMR Number: [1528 ]
SMR Number: [1529 ] Program: [rp ] Keyword: [preprocessor ] Status: closed Target Release: rp2. [Pascal compiler does not handle prepro [of upper and lower case letters. For e	
<pre>[rp -DxY t.p [does not define the flag "xY" in the s [the problem. Solution Fix will be included in: rp 2.0 bescription:</pre>	source program t.p. Dave C. reported SMR Number: (1529
Preprocessor symbols are now always ca SMR Number: [1530 ] Keyword: [getcwd ] Status: closed Target Release: rfl. [Calling getcwd from FORTRAN causes an Solution Fix will be included in: Description: Getcwd from libU77.a calls getwd to ge Getwd is defined in the 4.2 libc.a, bu libc.a, the proper call is to getcwd.	ROS Version: [all ] 9 Last Reviewed: 04/22/1986 undefined symbol from ld. SMR Number: [1530 et the current working directory. at not in the Sys 5 libc.a. In Sys 5
libU77/getcwdc to a getcwd call.	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 customer complains that on an respond to rsh or ftp from Sun connections not utilizing the net em is being observed. When rebooted,
SMR Number: [1532 ] Status: on hold Target Release: [About 75% of the time, shutdaemon neve [a ps shows that the daemons have been [returns.	
SMR Number: {1533 } Program: [rf ] Status: closed Target Release: rfl.	ROS Version: [3.3 ] Version: [1.8 beta ] 9 Last Reviewed: 04/22/1986

SMR Number: [1533

[rf has problems with external functions and entry points within subroutines] [The following subroutine contains the error, but compiles if the 'entry' [statement is removed:

subroutine testit (fxn) external fxn entry testit2(fxn) y = fxn()return

end

[This compiles ok with f77.

[Is rf handling this correctly, or was f77 correct?

[This is problem with rf. F77 works correctly. The problem is in how the [external specification is handled. If you leave out the external, then [the program compiles fine. The problem has been reported to Green Hills. [In the meantime, as a workaround, you can take out the external statement. ] Solution

Fix will be included in: rf1.9

Description:

The problem was that the entry name was being treated twice in fixupentry. the second time incorrectly. Based on Green Hills help, I have added a check in fixupentry to ignore the entry the second time around if the object is a rouconstr. Module changed: forpro.p

\_\_\_\_ SMR Number: [1534 ] ROS Version: [3.3 1 [shared code & data ] Keyword: Target Release: Status: closed Last Reviewed: 04/22/1986 [The example in /usr/beth/exp/1534.c demonstrates a mysterious bug where (printf acts strangely if a program is compiled with shared code and data [and the ctype macros are used. Use the Makefile in /usr/beth/exp to [compile 1534.c with the '-DCTYPE -W1,-C' and the program will print ['3.5=(3)' rather than '3.5=(3.5)', as it should. SMR Number: [1535 1 ROS Version: [3.3u3 1 Version: [1.8 Program: [rf 1 1 \_\_\_\_\_1 Keyword: [char function Status: closed Target Release: rf1.9 Last Reviewed: 04/22/1986 [character\*1 var (var=char(65) [Should return 'A', instead returns 'null', Works with f77. Solution SMR Number: [1535 Fix will be included in: rf1.9 Description: rfcom was compiled with a bad rpcom (see SMR #1536), which caused the problem described. When rfcom was recompiled with a fixed rpcom, the bug is fixed. \_\_\_\_ SMR Number: [1536 ] ROS Version: [all 1 Keyword: [data conversion ] Status: closed Target Release: rp1.9 Last Reviewed: 04/22/1986 (for the statement "ch:=chr(int);", where ch is a char variable and int is a) [integer/local/non-register variable, rpcom loads from the upper byte of int] funstead of from the lower byte of int. [this same type of problem existed in rccom, doing int/char conversions when] (the int was a local automatic and did not end up in a register.

Solution SMR Number: [1536 Fix will be included in:

Description:

Since the code generator was originally a VAX code generator, there are several places where we have to be sure to add on offset to a load or store in order to make up for the Ridge/VAX difference in byte ordering within words. This case was added to a series of similar cases where a byte offse offset was added to the load/store address.

SMR Number:	[1537]	ROS Version: [all	1
Keyword:	[common stab	s ]	

Status: closed Target Release: rf1.9 Last Reviewed: 04/22/1986 [common block elements don't print out properly under dbx. The first [element value gets printed regardless of which element is requested. SMR Number: [1537 Solution Fix will be included in: Description: The field offset within the common block was not being properly recorded in the stabs statement for the common block elements. All elements were given an offset of 0. \_\_\_\_\_ SMR Number: [1538 1 ROS Version: [all Status: on hold Target Release: ros3.4 Last Reviewed: 04/22/1986 [If a floppy that is currently in the drive has no file with the name 'fl' fand install.rest is invoked, it will tell you it can't find the file [and it will keep telling you everytime you hit return until you either [reboot or put a floppy in the drive that has an 'fl' file. ROS Version: [3.3u3 SMR Number: [1539 1 1 Keyword: [3.3u4 1 Status: closed Target Release: ros3.3u4 Last Reviewed: 04/22/1986 [DR-11 input and output is slower in ROS 3.3U3 than it was in ROS 3.3U2. SMR Number: [1539 Solution 1 Fix will be included in: ROS3.3U4 Description: The AdjustPriority calls of the tty drivers were changed and the DR-11 driver now does adjust priority for graphic devices. AdjustPriority (0) => Terminal Read Priority AdjustPriority (1) => Interactive Graphics output AdjustPriority (2) => Terminal output [In ROS 3.303 processes were separated into interactive and batch processes.] [The processes doing I/O to the DR-11 graphics device were not adjusted [in priority, which caused them to migrate to batch class. Since interactive] [processes get priority, the graphics class were competing directly with [the other batch processes. So DR-11 graphics performed worse than tty [I/O and worse than it did in ROS 3.3P2. 1 \_\_\_\_\_ SMR Number: [1540 ] ROS Version: [3.3u3 1 Keyword: [ROS 3.3u4 1 Status: closed Target Release: ros3.3u4 Last Reviewed: 04/22/1986 [When Lisp and Prolog are in the debugger, they adversely affect the [performance of the entire system. Solution SMR Number: [1540 Fix will be included in: ROS 3.3U4 Description: The FDLP driver was changed to not adjust priority for nodelay reads which found zero characters. This means that polling programs migrate to the low priority of their subclass and will become a batch process. fdlp.p ver 3.8 ROS Version: [3.3u3 SMR Number: [154] 1 1 Keyword: [ROS 3.3u4 1 Target Release: ros3.3u4 Last Reviewed: 04/22/1986 Status: closed [On a Busy system, vi of a large file takes much longer than vi [of a smaller file. On the order of minutes rather than 10 seconds. SMR Number: [1541 Solution 1 Fix will be included in: ROS 3.3 U4 Description: Vi speeds on busy system is now improved. Vi should now be marked as a sticky file (see chmod). If a file is sticy, the VMM treats the file as an interactive process regardless of CPU priority. The FM detects sticky clients and will make itself interactive. Changed Files: UM - forkexec.p 3.3.1.5, load.p 3.2.1.5, sign.signal.p 3.2.1.2, up.p 3.4.1.5, global.type.h 3.3.1.5, history.h 3.2.1.3

kernel - kernel.s 3.10, kim.s 3.4, kim.pasc.h 3.1

vmm - vmm.p 3.7, vmmasm.s 3.3 fm - 3.4

а SMR Number: [1542 ] ROS Version: [3.3u3 1 Keyword: [ROS 3.3u4 ] Status: closed Target Release: ros3.3u4 Last Reviewed: 04/22/1986 K [When UUCP runs on ROS 3.3 Update 3 it slows the system down more than 1 [it did before. \_\_\_\_\_ \_\_\_\_\_ SMR Number: [1543 ] ROS Version: [all ] Status: closed Target Release: enet1.4 Last Reviewed: 04/22/1986 [If the ethernet cable is broken (the terminator is removed or a new section] [of cable is added), and ns is driving a wonderboard, the following messages] [appear: S Wonder: excessive retries on transmission, TDR value = 10 ſ F Wonder: removing interface D. Wonder: LANCE has been stopped (This requires rebooting the ridge to restart the network server. This [error should not cause such drastic action. SI Solution SMR Number: [1543 K Fix will be included in: ros3.4 s Description: 1) On retry errors don't shut down the LANCE, as this requires rebooting to restart ns. Simply reinitialize the LANCE. 2) Don't get so upset about interrupt queue overflow on the wonderboard. S It should not be treated as a failure of the current command. On F errors make sure we release the current interrupt queue element or De transmit buffer queue element, as appropriate, so we don't continue processing the same error over and over. STOP, START commands don't seem to fix the LANCE when it's upset due to 31 a retry error. So, on retry error, underflow, and memory error. reinitialize the chip instead. <wonder.c> SMR Number: [1544 ] ROS Version: [3.3u3 ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 Sľ [uname(2) does not have a man page, despite the fact that uname(1) refers ] St [to it. [uname is supposed to return a non-negative value if it completes without [error, but it returns whatever random trash is in r0. S Solution SMR Number: [1544 1 F Fix will be included in: Description: This is fixed in ROS 3.4. The documentation update has also been done. SI SMR Number: [1545 ] ROS Version: [3.3 ] C 1 Keyword: [system call 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Under dbx, when you step over a system call, the result of the command [is not displayed. Se [(is this related to smr 785?) F Solution SMR Number: [1545 D Fix will be included in: Description: The system (3f) is implemented by an exec call which implies a new process. Dbx does not handle multiple-process programs. SN Therefore, dbx is working as designed but not doing what the user wanted. S What the user was expecting is beyond the capability of dbx. [The system calls fork and spawn were causing the newly created child [process to be traced as well as the parent. Since the parent was not -----[expecting this the child processes were being suspended and never SM [activated. This tied up data space in the UM. If enough of these children] St [were created, the UM would crash. 

SMR Number: [1546 ]

ROS Version: [3.3 ]

Kevword: [date

Status: open Target Release: ros3.4 Last Reviewed: 04/22/1986 [ar xo always returns the date: 1 Jan 1970 for the named file instead [of the last modified date recorded in the archive.

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for the last modified date recorded in th	le archive.
SMR Number: [1547 ] Keyword: [env variables ] Status: closed Target Release: [Example: if TZ=FST - 2FDT	Last Reviewed: 04/22/1986
<pre>[1] date &gt; file date is correct in file [2] file.cron [ ***** date &gt; res [ crontab file.cron the date is no [a variable TZ = PST - 8PDT (good for Pac Solution Fix will be included in: Description:</pre>	t correct and corresponds to
that's the way it works	
SMR Number: [1548 ] Keyword: [assembler files ] Status: closed Target Release: rcl.9 [rc -P fic.s (preprocess assembler file [Would like to preprocess assembler files	ROS Version: [3.3 ] Last Reviewed: 04/22/1986
[(or other directives). Solution Fix will be included in: Description:	SMR Number: [1548
As the documentation indicates, rc accep C or assembly language programs. The -P, FORTRAN and PASCAL. You may, however, us language files by calling the preprocess cpp command. Note: this smr is the result of a user m bug.	however, only applies to C, e the preprocessor on your assembly or directly. Just use the
SMR Number: [1549 ] Status: closed Target Release: rc1.9 [If a good file.s exists and an rc -P fil [overwritten with an empty file.s. Solution Fix will be included in: rc1.9	ROS Version: [3.3 ] Last Reviewed: 04/22/1986
Description: The driver has been fixed to not always	generate a .s file.
SMR Number: [1550 ] Status: open Target Release: 1.10 [Preprocessing assembler files (after ren [pound signs in first character where a d [an assembler error. Solution rix will be included in:	aming .c) generates lines with
Description: rc and cc were not meant for preprocessi cpp -P or the m4 macro processor.	-
SMR Number: [1551 ] Status: open Target Release: ros3.4 [One user can remove another user's file [This is a known problem and should be do	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 with lprm. } cumented in the manual page. ]
SMR Number: [1552 ] Status: open Target Release: 3.5 [A request has been made that the pound s: [comment sign for the assembler.	ROS Version: [3.3 ] Last Reviewed: 04/22/1986

SMR Number: [1553 ] Keyword: [dump/restore ]	ROS Version: [3.3u3 ]
Status: on hold Target Release:	Last Reviewed: 04/22/1986
SMR Number: [1554 ] Keyword: [dbx ]	ROS Version: [3.3 ]
Status: closed Target Release: ros3. [The files crater:/usr/beth/crashit.c, J [rc -g and run with dbx, crash the syste [startup: descendent 65553, crashed: fau [Beyond allocated memory space [address = -393220, file = 5.61238 [ 24 65553 101 -393220 [ 5 61238 318686 65539 Solution	sort.f ssort.f when compiled with ] em. The error message is ]
Fix will be included in: Description: The problem was the system(3) calls. F	Fixed in ROS 3.4 and ROS 3.3 Update 1
SMR Number: [1555 ] Status: closed Target Release: [When deroff is run on the example file [debug: [received signal SIGSEGV (illegal memory [illegal memory reference at address 6E0	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 /usr/beth/exp/1555, it goes into ] / reference) ] 00800 in the data segment ]
Solution Fix will be included in: Description: that's the way it works	SMR Number: [1555 ]
<pre>Keyword: [multiple units ] Status: closed Target Release: [We should be able to handle multiple ta [At the moment, the driver does not under Solution Fix will be included in: Description: Bull fixed this. Requested code from bull on May 12 (paw</pre>	rstand anything but unit 0. ] SMR Number: [1556 ]
	ROS Version: [none ] Last Reviewed: 04/22/1986 her, and should be renamed getfp ]
<pre>[file descriptor (integer). Solution Fix will be included in: Description: A "getfp" function has been added to li "getfd". They will co-exist until peop</pre>	) SMR Number: [1557 ] b177.a. It is the equivalent to
"getfd" will disappear.	
<pre>SMR Number: [1558 ] Keyword: [double complex ] Status: closed Target Release: ros3. [Dbx gets an internal error trying to pr [a FORTRAN program. Solution Fix will be included in: Decorption:</pre>	
Description: Dbx was not originally set up to print the code which prints single precision	double complex variables. I copied complex variables, using doubles

instead of floats.

SMR Number: [1559 1 ROS Version: [none 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Dbx may print out the integer value of a character variable instead of it's] [character representation. (May print 97 instead of 'a'). Solution SMR Number: [1559 Fix will be included in: Description: Dbx lost the information that the variable was a character variable by the time it got around to printing the value. One recursive-call-level up from this point dbx did know that this was a character variable, so I print the value at the point where dbx knows what it is dealing with. SMR Number: [1560 1 ROS Version: [3.3u3 1 Keyword: [at - global permissi] Status: open Target Release: ros3.4 Last Reviewed: 04/22/1986 [Sentence reading 'If either file is at.deny, global usage is permitted' [is confusing. Most customers call when they come across this. SMR Number: [156] ROS Version: [3.3u3 1 Program: [rf 1 Version: [1.8 1 Keyword: [.F files w/ includes] Status: closed Target Release: rf1.9 Last Reviewed: 04/22/1986 [main.F: include 'local.include' [when compiled with rf causes of file (after C pre-processing for customer's] [IFDEF's) can't find Fortran include. .f file is in /tmp, rfcom then [expects include files, not having full path names, to be in /tmp also. [This works with F77. Solution SMR Number: [1561 Fix will be included in: Description: The compiler driver (rf) was creating a file in /tmp for the output of cpp to go into. The compiler was looking only in /tmp for include files. Now rf sends the cpp output of file.F into file.f in the same directory, which is what f77 does. SMR Number: [1562 '] ROS Version: [3.3u3 1 Keyword: [single-user mode? ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [When slow-booting, UM sometimes thinks it is running in multi-user more. [It runs getty & login and prompts for a passwd. This makes it impossible ] [to build a system directly with 3.3u3 software, as getty & login are not [yet present on disc. Can also be inconvenient if the only way to get [a system running is by slow-booting (i.e. corrupted passwd file???). Solution SMR Number: [1562 Fix will be included in: Description: This is fixed in ROS 3.4. Complete control is given to the system administrator via /etc/inittab. SMR Number: [1563 1 ROS Version: [3.3u3 1 Keyword: [data seq size > 32Mb] Status: closed Target Release: ros3.3u5 Last Reviewed: 04/22/1986 [Several customers require large data segments for large simulations. [The correct solution is to implement the setrlimit/getrlimit calls so [that they may request larger segments instead of simply increasing the [default. At least one customer needs sizes approaching 256 Mb (yes, [he intends to have a nearly empty Eagle available as backing store). SMR Number: [1564 ROS Version: [none 1 1 Keyword: [tapeio 1 Status: closed Target Release: rf1.9 Last Reviewed: 04/22/1986 [The tapeio routines from libU77 for FORTRAN tape i/o are not implemented. Solution SMR Number: [1564

Status: closed Target Release: rfl.9 Last Reviewed: 04/22/1986 Fix will be included in: subroutine suba(i) Description: external subb The tapeio (topen(3F)) routines from BSD/libU77 have been added to Ridge i=1 libU77.a. Tskipf does not work properly, and I don't see how it could return possibly be working properly on a 4.2 system. Tskipf was omitted from the The 'external subb' statement should generate the appropriate external] documentation which I submitted to pubs. freference to subb so subb will be pulled in by 1d. This works OK in f77. [This feature is used for incremental loading on other machines and to ROS Version: (3.3u3 1 SMR Number: [1565 1 [insure that block data subroutines are included when loading with a library] Version: [1.8 1 Program: [rf 1 Solution SMR Number: [1568 [implicit undefined ] Keyword: Fix will be included in: rf1.9 Last Reviewed: 04/22/1986 Status: closed Target Release: rf1.9 Description: logical function foobarfunction(i) Rfcom has been modified so that now, upon seeing 'external subname', it implicit undefined (a-z) will generate 'global subname ' in the assembly file, just as f77 does. integer i logical bar SMR Number: [1569 1 ROS Version: [3.3u3 foobarfunction=bar Program: [rf 1 Version: [1.8 return [implicit undefined ] Keyword: end Status: closed Target Release: rf1.9 Last Reviewed: 04/22/1986 [gives 'fatal error 5, undefined name: foobarfunction'. The type should be ] subroutine suba(i) [taken from the 'logical function' line. This works correctly with f77. F implicit undefined (a-z) [If attempting to define 'logical foobarfunction', entry point name gets ſ integer i [truncated to \_foobarfunction (missing trailing ) so that 1d can't resolve] external subb [the reference from the caller (who is looking for foobarfunction ) The 'external subb' generates a compiler error indicating undefined type. SMR Number: [1565 Solution Since this is an external reference that is not called directly from the Fix will be included in: rf1.9 [offending module, the lack of typing should be ignored. The f77 compiler Description: [seems to handle this properly. The problem reported in this smr actually shows two problems in the FORTRAN Solution compiler. One Fix will be included in: rf1.9 1) There is a problem in dealing with names of functions or procedures that Description: are longer than eight characters. I have fixed this problem in the scanner (forscn.p). 2) The second problem has to do with the improper treatment of implicit undefined specifications. This is the same problem as reported in 1569. Refer to that smr for the status of that bug. smr SM 1 SMR Number: (1566 ROS Version: [none 1 Pr [struct copy Keyword: 1 St Last Reviewed: 04/22/1986 Status: closed Target Release: rc1.9 [struct copy with postincrement fails with rccom. an example: [typedef struct {int a,b} S; (f() [] So S \*s1, \*s2; ſ Fi s1++ = s2++;;; De [] SMR Number: [1566 Solution Fix will be included in: rcl.9 -Description: The compiler was pre-incrementing the source pointer, instead of post-SM incrementing. movemm/blockmove was trying to do the increment, this code Pr St was removed and fixmachops now does the increment. ł ROS Version: [3.3 SMR Number: [1567 ] Keyword: startup 1 Last Reviewed: 04/22/1986 Status: closed Target Release: ros3.4 \_ \_ [Sometimes on reboot, just after the um's have been started, the error SM [message: startup: descendent 65556 crashed: faulted. beyond allocated [memory space.' occurs. In the latest case, the address was 49152 and Ke St [the file was 1.4. The other numbers given were: a particular 65556 101 49152 g when compiling [24 4 316444 65539 ſ 1 [I think this problem is probably related to smr # 1544. Solution \_\_\_\_\_ Fix will be included in: rf1.9 ROS Version: [3.3u3 1 SMR Number: [1568 1 Description: Program: [rf Version: [1.8 1 1 Keyword: [external statement ]

SMR Number: [1569

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There was a basic problem in how declarations of procedures were handled in the compiler. I have fixed this in fordec.p. The problem actually existed whether you used implicit undefined or not but if you did use it, the compiler really got confused because of the original bug.

MR Number: [1570 ] Program: [rf ]	ROS Version: [3.3 ] Version: [1.8a ]
tatus: closed Target Release; rfl.9	9 Last Reviewed: 04/22/1986
[Internal list-directed I/O does not wor	rk. There is an example in
[/usr/beth/exp/1570.f. It works with f7	
[explicitly that internal list-directed	
[as a non-ansi standard extension.	1/0 hub been impremenced j
clution	SMR Number: [1570 ]
	SFIR MUMBEL: [1570 ]
'ix will be included in: rf1.9	
escription:	
All that needed to be done was to preve	ent the error checking for this
condition.	
• •	ROS Version: [3.3 ]
rogram: [rf ]	Version: [1.8a ]
tatus: on hold Target Release:	Last Reviewed: 04/22/1986
[A customer requests that:	· · · · · · · · · · · · · · · · · · ·
[1] rf complain when variables are decla	ared but not used
[2] rf complain when variables are decla	
[3] rf give the names of separate module	
MR Number: [1572 ]	ROS Version: [none ]
keyword: [rfcom into debug ]	Non Actorona (none )
tatus: closed Target Release: rfl.9	
[rfcom goes into debug when compiling a	particular program. It gets either }

[a segmentation violation or a data alignment violation. The problem does [not happen if the fortran program is fsplit into seperate subroutines. SMR Number: [1572

There was an uninitialized pointer which was being followed. The pointer

was being allocated when processing the "mod" intrinsic function. It should have been initialized to nil. The problem would not duplicate when the program was fsplit because the first time rfcom allocates memory it gets zeroed memory. At the end of each subroutine memory is released, and when it gets reused for a subsequent sburoutine it is not zeroed.
<pre>MR Number: [1573 ] ROS Version: [none ] tatus: closed Target Release: rfl.9 Last Reviewed: 04/22/1986 [dummy arguments to a fortran subroutine which are dimensioned by a common [block element, where the array dimension statement preceeds the common [statement will have bad code generated, if the common block element is not [the first element in the common block. An example subroutine: [ subroutine sub(ia) [ dimension ia(n,n) [ common nl,n [ ia(2,2) = n [ end ["ia(2,2)" will not really get set to n, the array bounds are incorrectly [computed. bolution SMR Number: [1573</pre>
<pre>ix will be included in: rf1.9 rescription:     All copies of references to the common block element which were made before     the compiler discovered that the variable really was a common block element     were not getting fixed up.</pre>
<pre>MR Number: [1574 ] ROS Version: [3.3 ] tatus: closed Target Release: next lang Last Reviewed: 04/22/1986 [It would be nice to be able to type 'list 240, 20' meaning list line [240 and the next 20 lines. In general, 'list m,n' should list lines [m through n inclusive if n &gt;= m and lines m through m+n otherwise. Solution SMR Number: [1574 'ix will be included in: bescription: Mike has modified dbx to do this. It will be included in the next release. (dbx goes with any language release; the next language release will be 1.9. )</pre>
MR Number: [1575 ] ROS Version: [3.3 ] status: closed Target Release: Last Reviewed: 04/22/1986 [It should be possible to save the dialog with dbx in a file for later [printout, instead of having the session disappear over the top of the [terminal screen.
SMR Number:       [1576]       ROS Version:       [3.3u3]         Program:       [4.2 libc]       Version:       [10/9/85]         Geword:       [ftruncate missing]       Itatus:       closed       Target Release:       ros3.4       Last Reviewed:       04/22/1986         [ftruncate missing from the library       SMR Number:       [1576]       SMR Number:       [1576]         citation       SMR Number:       [1576]       SMR Number:       [1576]         citation       SMR Number:       [1576]       SMR Number:       [1576]         citation       SMR Number:       [1576]       SMR Number:       [1576]
SMR Number: [1577 ] ROS Version: [3.4a ] (eyword: [laser writer ] (tatus: open Target Release: Last Reviewed: 04/22/1986 (When a file containing such characters as ^B or ^C is spooled to the [laserwriter, the laserwriter seems to flush its output to the ether. [It doesn't pring anything, not even a header page. Taking the characters [out causes the file to be printed normally.
MR Number: [1578 ] ROS Version: [3.3 ] Status: open Target Release: 1.9 Last Reviewed: 04/22/1986 [If x is assigned the value 1.0e15, dbx prints out the value as le+15.0. [There is an example program in /usr/beth/1578.f. This happens with

ROS Version: [3.3 SMR Number: (1579 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [When using dbx on /usr/beth/exp/1578.f (compiled with either rf or f77), [if you try to reset the value of x, you get an internal alignment error. 1 SMR Number: [1579 1 Solution Fix will be included in: Description: dbx thought a FORTRAN "real" was the same as a Pascal "real". They are not the same. A FORTRAN real is a double, and a Pascal real is a float. Dbx now checks the language to figure out what "real" means. \_\_\_\_\_ ROS Version: [3.3 SMR Number: [1580 1 1 Keyword: [spelling ] Last Reviewed: 04/22/1986 Status: closed Target Release: ros3.4.ul [If you do [apropos x [where x is not known to the system, the message from apropos is: [x: nothing apropriate [The word should be spelled appropriate! Or you could say: "nothing apropos"] [This is obviously not a high-priority bug but it reflects on the quality fof our work. SMR Number: [1580 Solution Fix will be included in: ros3.4.ul Description: Corrected spelling of appropriate. \_\_\_\_\_\_ ROS Version: [3.3u3 SMR Number: [1581 1 1 Program: [rf Version: [1.8 1 Keyword: [loop index 1 Target Release: rf1.9 Last Reviewed: 04/22/1986 Status: closed  $\int do 10 i=1,10$ if(i.gt.5) go to 10 do 10 j=1,10 if(i.gt.5) print \*,"DO LOOP ERROR" [10 continue [The 'j' loop body is incorrectly executed when "i" is greater than 5. [In at least one example, the code loops forever. SMR Number: [1581 Solution Fix will be included in: Description: This is a programming error. The label 10 is ambiguously associated with both the inner AND the outer loop. The GOTO 10 is therefore ambiguous: should it go to the end of the inner loop or the end of the outer loop? We go to the end of the inner loop and just because of the state of the registers, the loop happens to execute forever. This kind of program will behave differently on different machines because its semantics are unclear and implementation-dependent. This particular program happens to work with f77 but others can be constructed that won't. The best thing to do is to either not use the GOTO or have a distinct label for each loop ending (using CONTINUE). \_\_\_\_\_ ROS Version: [3.3 1 SMR Number: [1582 Version: [1.8c Program: [rf 1 1 1 Keyword: [as Target Release: rf1.9 Last Reviewed: 04/22/1986 Status: closed [rf generates illegal instructions that cause as to complain. [Use rf (1.8c) -c -v -O to compile /usr/beth/exp/1582.f. SMR Number: [1582 Solution Fix will be included in: rf1.9 Description:

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[f77 as well as rf, so the problem is with dbx.

The compiler generated the instruction "laddr Lx,Lx,64", thinking that the data item represented by "Lx" would be in a register instead of a static memory location. The fixup routine which looks for illegal instructions such as this missed this case.

Target Release: Last Reviewed: 04/22/1986 Status; closed [the following program causes the rccom compiler to generate bad code [extern int f1(); [extern int f2(); [main() H int i = (int)f1 - (int)f2; /\*notice this doesn't do a call\*/ printf("%x\n", i); ſ [] Solution SMR Number: [1583 Fix will be included in: rcl.9 Description: The compiler was trying to do immediate value optimizations, and got confused about the different types of immediate/absolute values it knows about. It thought (in this one place in dobinop) that mode = imm implied reloc = noreloc. \_\_\_\_\_ SMR Number: [1584 ] ROS Version: [3.3 1 
 Program:
 [rc
 ]
 Version:
 [1.8 alpha]

 Status:
 closed
 Target Release:
 Last Reviewed:
 04/22/1986
 [The example in /usr/beth/exp/1584.c generates bad as code. SMR Number: (1584 Solution Fix will be included in: rc 1.8 Description: Bull was using rc 1.8 alpha, but this problem was fixed in the released version of rc 1.8. \_\_\_\_\_ SMR Number: [1585 ] ROS Version: [3.3u3 1 Keyword: [fputc into debug ] Status: open Target Release: 1.9 Last Reviewed: 04/22/1986 [ read \*,i open(4,file='junk',status='UNKNOWN') ip=foutc(4, 'x') close(4) ſ [ This code gets a data alignment violation. Removing the 'read \*, i' [lets the code execute properly. Also 'putc' to stdout (unit 6) [seems to work OK. \_\_\_\_\_\_ SMR Number: [1586 ] ROS Version: [3.3 ] Status: closed Target Release: rfl.9 Last Reviewed: 04/22/1986 [See example /usr/beth/exp/1586.f. If the file junk does not have write ] [permission turned on, the default close and buffer flushing routines [do not report an error, and one would never know that the file was not [written to. SMR Number: [1586 Solution Fix will be included in: Description: The i/o library would not report errors once it started it's end of program cleanup (like closing files). I have enabled error reporting during cleanup, so we now get an error when the read-only file is closed after the program has written to it. Hopefully we will not start getting unwanted error messages during cleanup. \_\_\_\_\_ ROS Version: [3.3u3 ]

SMR Number: [1587 ] Keyword: [sdiff pipe page ] Keyword: [sdiff pipe page ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [I have two files called x1 and x2 in my directory /usr/rtc/1.8c. I did: ]

SMR Number: [1583

Program: [rccom ]

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[sdiff -w 80 x1 x2 |page [I kept typing space to see successive pages of the output. After the files ] [were finished, I kept seeing blank pages. Page never terminated as long as ]

[I typed spaces. It terminated only after I typed "q". 1 [Possibly relevant info: The files x1 and x2 were outputs of grep and 1 [contain the same number of bytes. I know this operation works most of the ]

(it twice and it happened both times. ROS Version: [3.4a SMR Number: [1588 ] 1 [disp 1 Keyword: Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Number of changes to disp driver for ROS 3.4. Runs under driverUM, has [select text/paste support, fixes some Tektronix4014 bugs, has start of [CGI support (not finished, but safe as is). Several header files updated: ] [<cgi.h>, <sys/cgidefs.h>, <sys/winctrl.h> associated with disp. SMR Number: [1588 Solution Fix will be included in: ROS3.4 Description: updated disp driver SMR Number: [1589 ] ROS Version: [3.4a 1 Keyword: [dr11 ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Updated DR11/color display drivers for ROS 3.4 to run under driverUM. [also fixed several bugs in select, fcntl, and other calls issued to the [driver. Updated <sys/drllio.h> to have correct symbols and values as [documented in metheus(7) and rastertech(7). Solution SMR Number: [1589 Fix will be included in: ROS3.4 Description: updated dr11 drivers: metheus, rastertech, lexidata SMR Number: [1590 ] ROS Version: [3.4a 1 Keyword: [windowmgr ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Enhanced windowmgr to allow text selection in window, and "paste" as [though input from keyboard (previously promised to a customer, now part [of standard release). ------SMR Number: [1591 ] ROS Version: [3.4a 1 Keyword: [libwindows.a ] Status: closed Target Release: rod3.4 Last Reviewed: 04/22/1986 [added routines in libwindows.a to support text selection and paste in [windowmar. Solution SMR Number: [1591 Fix will be included in: ROS3.4 Description: modified libwindows.a \_\_\_\_ SMR Number: [1592 ] ROS Version: [3.4a 1 Keyword: [libwgraf.a 1 Last Reviewed: 04/22/1986 Status: closed Target Release: ros3.4 [Added GetPenColor, GetPenWidth routines to library. Solution SMR Number: [1592 Fix will be included in: ROS3.4 Description: modified libwgraf.a SMR Number: [1593 ] ROS Version: [3.4a 1 Keyword: [libdriver.a 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Created /usr/lib/libdriver.a library that is used with ROS 3.4 drivers [for CIO board. Solution SMR Number: (1593 1 Fix will be included in: ROS3.4 Description: added /usr/lib/libdriver.a SMR Number: [1594 ] ROS Version: [3.4a 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986

[time so I am keeping the files around to demonstrate the problem. I tried ]

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ROS Version: [none

Version: [1.8

Solution SMR Number: [1594 Fix will be included in: ROS3.4 Description: added /drivers/ciotty SMR Number: [1595 ] ROS Version: [3.4a 1 Keyword: [driverconf.h ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Created <ros/driverconf.h> header file that defines interface to 1 [libdriver.a for use with ROS 3.4 CIO drivers. Solution SMR Number: [1595 1 Fix will be included in: ROS3.4 Description: added /usr/include/ros/driverconf.h SMR Number: [1596 ] ROS Version: [3.4a 1 Keyword: [driverMsgs.h 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Modifications to <sys/driverMsgs.h> file for use with ROS 3.4 libdriver.a ] Solution SMR Number: [1596 ] Fix will be included in: ROS3.4 Description: updated /usr/include/sys/driverMsgs.h \_\_\_\_\_ SMR Number: [1597 ] Keyword: [makefiles ] ROS Version: [3.4a ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [changed organization of sources on "hood" for drivers (dr11, tapedriver, ] [cioct, ciolp, ciotty, timer), so modified appropriate makefiles -- This [probably shouldn't require an SMR, but this seemed like a good "audit trail] for what I did. Solution SMR Number: [1597 1 Fix will be included in: ROS3.4 Description: modified makefiles, directory structure of files under hood:/usr/src/svs/ drivers. ----- 
 SMR Number:
 [1598]
 ROS Version:
 [3.4b]
 ]

 Keyword:
 [new program]
 ]
 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added cloct (cartridge tape driver) to system for ros 3.4. Solution SMR Number: [1598 1 Fix will be included in: ros3.4 Description: Added the following new files to the source area: /usr/src/sys/drivers/cioct/s.cioct dev.c /usr/src/sys/drivers/cioct/s.cioct soft.c /usr/src/sys/drivers/cioct/s.cioct.h /usr/src/sys/drivers/cioct/s.Makefile SMR Number: [1599 ] ROS Version: [3.4b 1 Keyword: [new program ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added 'ct' command to the system for ros 3.4 Solution SMR Number: [1599 1 Fix will be included in: ros3.4 Description: Added the following new files to the source area: /usr/src/cmd/ct/s.ct.c /usr/src/cmd/ct/s.ct.v Added rules to /usr/src/cmd/s.cmd.mk to make 'ct'. SMR Number: [1600 ] ROS Version: [3.4b ) Keyword: [new program ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986

[Created CIOTTY driver for CIO board tty's for ROS 3.4.

[added new 'ctcat' to the system for 3.4 SMR Number: (1600 Solution Fix will be included in: ros3.4 Description: Added the following new file to the source area: /usr/src/cmd/ctcat/s.ctcat.c /usr/src/cmd/ctcat/s.ctcat.v Modified /usr/src/cmd/s.cmd.mk with rules to make 'ctcat'. SMR Number: [1601 ] ROS Version: [3.4b ] Keyword: [new file ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added ctcat.n to the system for 3.4. This header file describes the [format of a 'ctcat' formatted tape. SMR Number: [1601 Solution 1 Fix will be included in: ros3.4 Description: Added /usr/src/include/s.ctcat.h to the source area. Modified /usr/src/include/s.makefile to make ctcat.h. ----SMR Number: [1602 ] ROS Version: [3.4b ] Keyword: [new file 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added ctio.h to the system for 3.4. This file describes the ioctl commands] [for the cartridge tape drive SMR Number: [1602 Solution 1 Fix will be included in: ros3.4 Description: Added /usr/src/include/sys/s.ctio.h to source area. Modified /usr/src/include/s.makefile to make this new header file. SMR Number: [1603 ] ROS Version: [3.4b 1 Keyword: [new file 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added this new header file to the system Solution SMR Number: [1603 Fix will be included in: ros3.4 Description: Added /usr/src/include/ros/s.scsi.cmds.h to source area. Modified /usr/src/include/s.makefile to make this new header file. SMR Number: [1604 ] Keyword: [new file ROS Version: [3.4b 1 ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added scsi.data.h to the system for 3.4 Solution SMR Number: [1604 1 Fix will be included in: ros3.4 Description: Added the file /usr/src/include/ros/s.scsi.data.h to the source area. Modified /usr/src/include/s.makefile with rules to make this new header file. \_\_\_\_ SMR Number: [1605 ] ROS Version: [3.4b 1 1 Keyword: [new file Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [added emulex.mt01.h to the system for 3.4 Solution SMR Number: [1605 Fix will be included in: ros3.4 Description: Added /usr/src/include/ros/s.emulex.mt01.h to the source area. Modified /usr/src/include/s.makefile with rules to make this header file. ROS Version: [3.3u3 SMR Number: [1606 .... version: [. Version: [1.8 ] 1 1 Program: [rp ] 1 Keyword: (diagnostic Status: closed Target Release: rpl.9 Last Reviewed: 04/22/1986

<pre>[If f is defined to be a function, the P [ f(x); [as an error only if the iso standard sw [error should always be reported to the Solution Fix will be included in: rpl.9 Description:    There was a check for this error in the    the test to be made before the check fo</pre>	l itch -i is used at compilation. This] user regardless of compiler options.] SMR Number: [1606 ] wrong place in passta.p. I moved r the iso compile flag.
SMR Number: [1607 ] Keyword: [volmgr ] Status: closed Target Release: ros3. [The volmgr needs performance enhancemen Solution Fix will be included in: ROS 3.4 Description: The volmgr was changed to provide a var * File labels are now allocated in label references. * File extension attempts to retain	ROS Version: [3.4a ] 4 Last Reviewed: 04/22/1986 ts added. ] SMR Number: [1607 ] iety of performance enhancements. a LIFO manner to localize file physical contiguity.
<ul> <li>* Filemgr compacted during pass 1 c</li> <li>* Flexible allocation of data space data space.</li> <li>SMR Number: [1608 ]</li> <li>Status: on hold Target Release: [The sbrk routine should return -1 when a [reached. Instead, the routine traps to [violation in debug.</li> </ul>	chunks used to increase filemgr's ROS Version: [3.3u3] Last Reviewed: 04/22/1986 memory resource limits have been ]
SMR Number: [1609 ] Status: closed Target Release: ros3. [ns must be modified for 3.4 to support [for 3.4. Solution Fix will be included in: Description: Changed the following: <trace.h, att_signal.h,="" h="" if_<br="" makefile,=""><tcp_input.c, ns.c,="" ns_const.h,="" support<br=""><uipc net.mk="" socket.c,=""></uipc></tcp_input.c,></trace.h,>	4 Last Reviewed: 04/22/1986 the modified driver interface ] SMR Number: [1609 ] ec.c, lance.h, wonder.c, wonder.h>
SMR Number: [1610 ] Keyword: [new program ] Status: closed Target Release: ros3. [Added ciolp to the system for ROS 3.4. Solution Fix will be included in: ros3.4 Description: added the files for the cio lp driver in	ROS Version: [3.4a ] 4 Last Reviewed: 04/22/1986 ] SMR Number: [1610 ]
SMR Number: [1611 ] Keyword: [new file ] Status: closed Target Release: ros3 [Added include file for use by cio drive: Solution Fix will be included in: ros3.4 Description: Added the file: /usr/src/include/ros/s.o in /usr/src/include/s.makefile.	ROS Version: [3.4a ] 4 Last Reviewed: 04/22/1986 rs. ] SMR Number: [1611 ] ciomem.h. Modified the makefile
SMR Number: [1612 ] Status: closed Target Release: ros3.4 [Added printer type bit definitions for c [use by ciolp driver.	ROS Version: [3.4a ] Last Reviewed: 04/22/1986

Solution SMR Number: [1612 1 Fix will be included in: ros3.4 Description: modified the file: /usr/src/include/ros/s.lprio.h for 3.4. SMR Number: [1613 ] ROS Version: [3.4a 1 Keyword: ínew file ] Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [Added the header file, ros/iodev.h, to the system for ROS 3.4. This [contains constants for IO addresses and IO device types. Solution SMR Number: [1613 1 Fix will be included in: ros3.4 Description: added the file: /usr/src/include/ros/s.iodev.h and modified the makefile in /usr/src/include/s.makefile. SMR Number: [1614 ] ROS Version: [3.4a 1 Keyword: [blanket 1 Last Reviewed: 04/22/1986 Status: closed Target Release: ros3.4 [Update all sorts of things for ROS 3.4 (CIO support). ] SMR Number: (1615 ROS Version: [all 1 3 ASYNC Keyword: 1 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [The constants are defined properly in the header files, but they don't [work. FIOASYNC does work. Solution SMR Number: [1615 Fix will be included in: Description: This has been fixed in ROS 3.4 by changing the constants in the header files to be correct. This means that programs that use the header files can be recompiled and they will work. Programs that 'know' the values from 4.2, will continue to not work. SMR Number: [1616 ] ROS Version: [3.3 1 Keyword: [~%b -- smr 1520 ] Status: on hold Target Release: Last Reviewed: 04/22/1986 [Please make the break given by ~%b in cu to two times what it [currently is. SMR Number: [1617 ] ROS Version: [3.3u3 Status: closed Target Release: ros3.4 Last Reviewed: 04/22/1986 [ns runs out of pages in the Q segment in which to receive data. An [application process such as ftp, or the UM will get a send error 5 when [trying to send data to it. [To reproduce, start 2 windows on a display, each of which does continuous ] [gets of a very large file, while a tty does continuous "rsh date"s. If the] [application gets the error it is: Write: SendData err 5 ſ [while the UM might print: UM: Send Page error#5 sending from 65550 using link 17 524293 196816 5 194 0 1 2 0 Solution SMR Number: [1617 Fix will be included in: Description: 1) libc.a was modified to use blocking links for sockets. 2) ns was modified to allocate a page per UM (assumes a maximum of 20), plus 4 pages to be shared by all clients. The UMs do not block, but all clients should. <ns const.h> -----SMR Number: [1618 1 . ROS Version: [3.3 1 Keyword: [security break 1 Status: open Last Reviewed: 04/22/1986 Target Release: [The sequence: 1

51

<pre>[ /usr/lib/sendmail -bs ] [ wiz ] [ shell ]</pre>	[This is probably a ROS problem and not a dbx problem since it used to ] [work in 3.2 and dbx has not changed. ] [[Probably related to SMRs 1191 and 1482]
<pre>[gives the user a shell with root capabilities. Solution: [The addition of a wizard password line in the sendmail.cf file will [prevent this. [ [ OWencrypted_password [ ] [ However, this workaround is insufficient since the user can start [ sendmail with any file specified as the configuration file (see also ] [SMR 1619). The solution is probably to delete the feature. This can [ be done by undefining DEBUG. The side effects of this are unknown at ]</pre>	SMR Number:       [1624]       ROS Version:       [3.3]       ]         Status:       closed       Target Release:       rpl.9       Last Reviewed:       04/22/1986         [The example /usr/beth/exp/1624.p generates bad as code and causes dbx       ]       [to fail with a data alignment violation.       ]         Solution       SMR Number:       [1624]       ]         Fix will be included in:       rpl.9         Description:       The Pascal file variable structure needed to be aligned on a double word boundry.
[this time.]         SMR Number:       [1619]       ROS Version:       [3.3]         Keyword:       [security break]       ]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [If the command                 [ /usr/lib/sendmail -Cfilename                 [is executed, where filename is a file without read permission,                 [in addition to driving sendmail crazy, this exposes each                 [line of the file in question as an error message.	<pre>SMR Number: [1625 ] ROS Version: [3.3u3 ] Keyword: [address constant ] Status: closed Target Release: rcl.9 Last Reviewed: 04/22/1986 [In the following code, the function f should return 4. It returns 32 ] [instead. [struct x {short s; long l}; [f() ] [{     return( (int) &amp;(((struct x *)0)-&gt;1) ); [] Solution SMR Number: [1625 ]]</pre>
SMR Number:       [1620]       ROS Version:       ]         Keyword:       [new files]       ]         Status:       closed       Target Release:       haspl.0       Last Reviewed:       04/22/1986         [Added sources for send (or gath) and rje programs.       ]       ]       ]         [Modified rje.h include file.       ]       ]         Solution       SMR Number:       [1620]         Fix will be included in:       Description:	Fix will be included in: rcl.9 Description: There seems to be some confusion at GreenHills whether the "dotoffset" field represents bits or bytes. In this case, and in their single comment about the field, they think it is a byte offset. However in all other uses they use it as a bit offset. Since the use as a byte offset was the cause of the bug, I am using it as a bitoffset. SMR Number: [1626 ] ROS Version: [3.3 ]
<pre>&lt; subdirectories are gath/lib, gath/src, lib, src, and util &gt; SMR Number: [1621 ] ROS Version: [3.3u3 ] Keyword: [status ] Status: closed Target Release: Last Reviewed: 04/22/1986 [mail -e ] [is supposed to return successful status if mail exists. On my machine, ] [status is alwasy 0 whether I have mail or not. That is, ] [mail -e ] [echo \$status ] [always prints 0. I don't think this is right. ] </pre>	Program:       [rf ]       Version:       [1.8 ]         Keyword:       [character string ]       Status:       closed       Target Release:       rfl.9       Last Reviewed:       04/22/1986         [The program       ]       [       PARAMETER (I=2)       ]       ]         [ CHARACTER A*I       ]       ]       [       END       ]         [ does not compile with rf.       It DOES compile with f77.       ]       Solution       SMR Number:       [1626 ]         Fix will be included in:       rfl.9       Description:       The program reported in this smr is actually not standard FORTRAN. The
SMR Number:       [1622]       ROS Version:       [3.3]       ]         Status:       open       Target Release:       Last Reviewed:       04/22/1986         [rsh sometimes hangs and hitting the del key accomplishes nothing.       It       ]         [must be killed from another terminal.       The customer uses rsh to send       ]         [jobs to a remote printer, and when the rsh hangs, the jobs get queued       ]         [up and when the rsh's are all finally killed, the jobs print.       ]         [I've had the same problem myself.       It doesn't seem to be consistent with         [anything, and it is not reproducible on demand.       Sometimes it is possible         [to get away 'cleanly' by typing '~.'.       ]	Standard FORTRAN statement is:         CHARACTER A*(I)         But because f77 used to accept this syntax, we have to allow it with rf         also so as not to break existing code.         I have made the modification in procedure dotypestatement in file fordec.p.         SMR Number:       [1627]         ROS Version:       [all]         Status:       on hold         Target Release:       Last Reviewed: 04/22/1986         [Add the Sys V 'shl' (shell layering) utility to implement some kind       ]         [of job control in the Bourne shell.       ]
SMR Number:       [1623]       ROS Version:       [3.3]         Keyword:       [exception signal]         Status:       on hold       Target Release:       Last Reviewed:       04/22/1986         [If the program being debugged with dbx terminates with a signal, dbx loses]       [the breakpoints that have been set. If you set any more breakpoints, they]         [do not take effect.       [This problem happens with some signals only. For example, if the program]         [gets a "SEMENTATION VIOLATION", breakpoints are remembered. But if the]         [program terminates with a nonzero signal, then the breakpoint capability]         [is lost forever.	SMR Number: [1628 ] ROS Version: [3.3 ] Status: closed Target Release: ros3.5 Last Reviewed: 04/22/1986 [We need to create files analogous to /usr/lib/includ/pascal that are ] [compatible with rp. ] Solution SMR Number: [1628 ] Fix will be included in: ros3.5 Description: I have created the directory /usr/include/pas. In this directory, I have placed the files

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ctypes.h a.out.h stabs.h stdio.h These files are compatible with both pp and rp. Eventually, the directory /usr/include/pascal should go away. We are now converting the as assembler to use this new directory. The file stdio.h is new and provides the interface to C's stdio routines.	SMR Number: [1636 ] ROS Version: [3.3 ] Status: open Target Release: Last Reviewed: 04/22/1986 [/usr/beth/exp/1636.c is an example of strtok not working properly. It ] [should print out every token on the lines of the standard input which ] [begin with the token named as the first argument of the command line. ] [It prints some of the tokens every time it should, some of the tokens ] [some of the time, and none of the tokens sometimes. ]
SMR Number:       [1629]       ROS Version:       [3.3]       ]         Program:       [rp]       Version:       [1.8]       ]         Keyword:       [file pointer]       ]         Status:       closed       Target Release:       rpl.9       Last Reviewed:       04/22/1986         [Several customers have asked for the ability to get the FILE* from Pascal.]       [Once they have the file pointer, they can call any of the C library       ]         [routines that operate on file descriptors (e.g. setbuf).       ]	SMR Number:[1637]ROS Version:[3.3]Status:on holdTarget Release:Last Reviewed:04/22/1986[Rapidly moving the mouse across pad causes response time for other users]{to significantly slow until data input is finished. With a CAD package,][picking is not possible because data acquisition from a Summagraphic][tablet is too slow.(high resolution tablet, connected at 9600 baud][on RS232 port in conjunction with 19" display).
Solution SMR Number: [1629 ] Fix will be included in: rpl.9 Description: I have added the routine getfp to libpas.a. An external declaration for getfp is in /usr/include/pas/stdio.h. See smr1628 and my memo for more details.	SMR Number:       [1638]       ROS Version:       [3.3]         Status:       open       Target Release:       Last Reviewed:       04/22/1986         [In the following situation: power fail, reboot, problem with modem,       ]         [abort vi (by kill -9 vi for the remote terminal), vi -r does not later       ]         [restore the file.       If you instead use kill -9 sh, the file is saved.       ]         [Is this the way it should work?       ]
SMR Number:       [1630]       ROS Version:       [3.3]         Status:       closed       Target Release:       Last Reviewed:       04/22/1986         [When cpio encounters an error and prints the 'enter device if you wish]       [to continue' message, sometimes the del key is ignored.       Please change]         [cpio to provide a cleaner way to exit at this point.       ]         SMR Number:       [1631]       ROS Version:       [3.4a]         Status:       closed       Target Release:       ros3.4       Last Reviewed:       04/22/1986         [Release       clobebug program, for use in downloading cloboard.       ]       ]	SMR Number: [1639 ] ROS Version: [3.3 ] Status: open Target Release: Last Reviewed: 04/22/1986 [A user logged into local over modem, and from there rlogged in to remote. ] [Interference caused a loss of carrier, the shell at local was terminated; ] [however, the remote login session on remote remained and had to bed ] [manually killed. In other cases, a remote login has to be terminated with ] [a '~.' sequence, but has not quite gone completely away (it may leave ] [behind some trace in the same manner that an rsh does not always close ]
SMR Number:       [1632]       ROS Version:       [3.4a]       ]         Status:       closed       Target Release:       ros3.4       Last Reviewed:       04/22/1986         [ciodiag, cstream, ifet, readlr, rnumber, rstream, systest.ex, lance.h, test_case.h]	[out properly]. ] SMR Number: [1640 ] ROS Version: [3.3 ] Status: open Target Release: 3.5 Last Reviewed: 04/22/1986 [Example: ] [ #define ABCDEFGH 0 ] [ #define ABCDEFGH 1 ] [ cxref prints 'ABCDEFGH redefined', and doesn't give ] [ correct cross reference. ]
SMR Number:       [1634]       ROS Version:       [3.4b]         Keyword:       [new scripts]       ]         Status:       open       Target Release:       ros3.4u1       Last Reviewed:       04/22/1986         [Added:       ]       ]       ]       ]       ]       ]         [ /usr/pub/mcbackup       ]       ]       ]       ]       ]       ]         [ /usr/pub/mclist       ]       ]       ]       ]       ]       ]       ]         [ /usr/pub/mtbackup       ]       ]       ]       ]       ]       ]       ]         [ /usr/pub/mtbackup       ]       ]       ]       ]       ]       ]       ]         [ /usr/pub/mtbackup       ]	SMR Number:       [1641]       ROS Version:       [3.3u3]       ]         Status:       closed       Target Release:       ros3.4       Last Reviewed:       04/22/1986         [dbx prints stored, opcode b8, as an indexed stored.       it is not an indexed ]       [strored. this problem exists in debug also, since debug is where I lifted ]         [the dis-assembly code from originally.       ]         Solution       SMR Number:       [1641]         Fix will be included in:       3.4         Description:       I changed the opcode table to fix the problem.
These scripts make the backup, list, and restore cpio functions       ]         [transparent to the user for both the cartridge tape (mc*) and       ]         [reel-to-reel tape (mt*) devices.       ]         [The usage of these scripts, as well as how they can be modified, will       ]         [be described in Chapter 7 of the new User's Guide       ]         SMR Number:       [1635]       ROS Version:       [3.3]         Status:       closed       Target Release:       Last Reviewed:       04/22/1986         [The example in /usr/beth/exp/1635 shows that when using the -T3000 option]       [to print on a Genicom printer, the printer doesn't know to turn off]         [underlining until a non-space character is printed, but this makes funny]       [lines on the paper that you really don't want. We could change the]         [tabs file to not know about italics mode, and then it would backspace]       ]	SMR Number:       [1642]       ROS Version:       [all]         Status:       closed       Target Release:       3.3.u5       Last Reviewed:       04/22/1986         [Select was not returning immediately when requested by the UM. The async ]       [flag was being tested with the wrong bitmask. Now a polling select will ]       [return even when there are no characters outstanding. The CBREAK mode was ]         [always returning as soon as 1 char was typed, rather than giving as many ]       [characters as are available.       ]         Solution       SMR Number:       [1642]       ]         Fix will be included in: ros3.4       Description:       Checked in new code.
[to do its underlining, and the lines before a non-space character that ] [we don't like would not be there. ]	SMR Number: [1643 ] ROS Version: [3.3 ]

SMR Number: [1648

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Program: [rp ] Status: closed Target Release: [See example /usr/beth/exp/1643.p. It ['junk1111', 'junk2222', and 'junk3333' [names 'junk1111junk2222', 'junk2222', [program works correctly if shorter or [names, and it also works if the string [their final character. Solution Fix will be included in: rp1.9 Description: The Bascal compiler aligns strings on	. The actual result is files with ] and 'junk3333junk1111'. The ] longer strings are given as file ] s length of 8 contains a space as ] ] SMR Number: [1643 ]
The Pascal compiler aligns strings on of 8 chars have no unused bytes after straight into the next data item. The names to be blank or null terminated, filename and whatever data came direct was seen. The Pascal compiler has bee length to reset and rewrite. The rese changed to make a local copy of the fi max length, and then look for the end or blank).	the end of the string, and may run Pascal runtime library expected file and would see a concatination of the ly after it, until a blank or null n changed to pass a maximum filename t and rewrite functions have been lename, and to put a null after the
SMR Number: [1644 ] Keyword: [with rc ] Status: open Target Release: 3.5 [See the /usr/beth/exp/1644.? examples [the lint is using rc, not cc. It work	and try lint 1644.c. Make sure )
SMR Number: [1645 ] Keyword: [tbl ] Status: closed Target Release: ros3 [When man'ing some pages (those that hay [tty screen (especially on tvi950's) get [the point of locking up. On displays, [happens is that lightening bolts are di [Some pages that this happens with are [ get.1	ve passed through 'tbl'), the ] ts all messed up. Sometimes to ] the only adverse thing that ] isplayed in front of some lines. ]
<pre>[ prs.1 [ matherr.3m Solution Fix will be included in: ros3.4 Description: Added the additional step of 'col' after /usr/src/man/fixup.</pre>	
SMR Number: [1646 ] Program: [eqn ] Status: open Target Release: [See exampes in /usr/beth/exp/1646*. Wh [subscript, the second subscript is not [first subscript in the example, then [the l in an inferior position relative [was changed appropriately for a subscript [comments in the example.	ROS Version: [3.3 } Version: [1.24 ] Last Reviewed: 04/22/1986 hen a subscript it placed on a ] placed below the baseline of the ] re is no vertical motion to place } to the A; however, the point size ] .pt. There are additional helpful ]
SMR Number: [1647 } Status: open Target Release: [The command 'gas -s0,t10   af "x^2"   p [message 'af: cannot open x using sta [the graph. It seems like the error mes	ROS Version: [3.3 ] Last Reviewed: 04/22/1986 blot  td' generates this error ] undard input' and then draws ] sage is unnecessary. ]
SMR Number: [1648 ] Keyword: [debug ] Status: Target Release: [See the summary.	ROS Version: [all ] Last Reviewed:

Solution

SMR Number: [1649 ]	ROS Version: [3.3 ]
	Version: [1.8c ]
[are from cc and inserts them int Solution Fix will be included in: ROS3.4u2 Description: Error now recognizes error messa error messages into the Pascal s	Last Reviewed: 04/07/1986 r thinks that error messages from rp o the source file as C-style comments. SMR Number: [1649 ges from rp, and inserts Pascal style ource. In addition, error now knows when nts 'rc' or 'rf' in the error text instead
SMR Number: [1650 ] Status: closed Target Release: [Please add an option to tar that	ROS Version: [3.3 ] Last Reviewed: 04/07/1986 does not restore the owner when extraction ld then be the user extracting things
[from the tape]. Solution Fix will be included in: Description:	SMR Number: [1650
The 4.2 BSD version of tar will	solve their problems.
[prints zeroes. When compiled wi [15 zeroes. The program runs fin	Last Reviewed: 04/22/1986 when compiled without the optimizer th the optimizer, it prints 17 ones and e with rf 1.8c. This is submitted just
SMR Number: [1652 ] Status: open Target Release: [When using programs with continu [of the information is displayed, [half a screenful] of material. [seems to be independent of system	ROS Version: [3.3] Last Reviewed: 04/07/1986 ous screen output (more, cat, man) part and then it loses a large amount (maybe This happens fairly frequently, and m load.
SMR Number: [1652 ] Status: open Target Release: [When using programs with continu [of the information is displayed, [half a screenful) of material. [seems to be independent of system SMR Number: [1653 ] Program: [rf/dbx ] Status: open Target Release: [Example in /usr/beth/exp/1653.f. [print addresses of arrays. The [find the addresses.	ROS Version: [3.3 ] Last Reviewed: 04/07/1986 ous screen output (more, cat, man) part and then it loses a large amount (maybe This happens fairly frequently, and m load. ROS Version: [3.3 ] Version: [1.8c ] Last Reviewed: 04/07/1986 Dbx gets confused when it tries to code executes fine, but dbx cannot
SMR Number: [1652 ] Status: open Target Release: [When using programs with continu [of the information is displayed, [half a screenful) of material. [seems to be independent of system 	ROS Version: [3.3 ] Last Reviewed: 04/07/1986 ous screen output (more, cat, man) part and then it loses a large amount (maybe This happens fairly frequently, and m load. ROS Version: [3.3 ] Version: [1.8c ] Last Reviewed: 04/07/1986 Dbx gets confused when it tries to code executes fine, but dbx cannot ROS Version: [3.3 ] Last Reviewed: 04/21/1986 enerates an integer overflow signal, ple is in /usr/beth/expl654.c, but Supposedly, the signal is generated by a negative number such that the

[The link(1M) man page should be changed to reflect warnings about [recursively linking directories (they can keep the system from booting). [This is fixed in the new directory manager. SMR Number: [1655 Fix will be included in: Manual page fixed. \_\_\_\_\_ \_\_\_\_\_ ROS Version: [3.3 ] SMR Number: [1656 ] [umask ] Status: open Target Release: ros3.5 Last Reviewed: 04/21/1986 [as doesn't use umask in creating object files but instead uses a hard [coded 644 mode. Since the customer is in a group environment, they [request that as use their umask environment value to modify its file ROS Version: [3.3u3 SMR Number: [1657 ] (shift by constant 0 ) Status: closed Target Release: rc1.9 Last Reviewed: 04/21/1986 [rccom generates the illegal code "load r0," from the following program. SMR Number: [1657 Fix will be included in: rc1.9

Solution

Description:

Keyword:

[modes.

Keyword:

[main()

[ int i;

[ i >>= 0;

[{

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Solution

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Description: fixed in optimizeconstop. in the case where no code is to be generated, mx must be set to nil (same problem as divide by 1 bug).

] SMR Number: [1658 ] ROS Version: [3.4b 1 Keyword: [ciotty Status: closed Target Release: ros3.4u1 Last Reviewed: 04/21/1986 [New versions of CIOTTY driver, and driver interface (libdriver.a) to (increase performance from original 3.4 release. Also fixes crash in [driver when switching between several background "vi" processes under csh. ] SMR Number: [1658 ] Solution Fix will be included in: ROS3.4u1 Description: checked in new sources for clotty and libdriver.a \_\_\_\_\_ ROS Version: [3.3 ] SMR Number: [1659 ] Status: closed Target Release: ros3.4u1 Last Reviewed: 05/19/1986 [Cpio sometimes loops. See shell script in /usr/beth/exp/1659. We [haven't reproduced it in house, because it loops in the customer's [own directories (when it gets to that part of the script). Solution SMR Number: [1659 1 Fix will be included in: 3.4u1 Description: Closed by smr 1064. Fixed for 3.4 update 1 and 3.3 update 5. ] ROS Version: [3.3u3 ] SMR Number: [1660 ] Version: [1.7 ] Target Release: Last Reviewed: 04/21/1986 Program: [ftp Status: open [In ftp, connected to an apollo, if we do a remotehelp command, the apollo ] [sends a multi-line reply formatted as follows: { 214-text 214- text 214- text 214- text ſ 214 text [We erroneously think the response is terminated after the second line,

[giving an ftp prompt to the user. The user's next command gets the next ] (two lines of text, and we are hopelessly out of sync from then on. The 1 [user must exit ftp to recover.

 
 ROS Version: [3.3u3

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 Version: [1.7?
 SMR Number: [1661 1 Program: [telnet Version: [1.7? Status: closed Target Release: Last Reviewed: 04/21/1986 [telnet has problems mapping cr to cr-lf and vice versa when talking with fa UNIVAC Solution SMR Number: [166] Fix will be included in: Description: Modified telnet to handle cr, cr-lf mapping the same as 4.3 BSD (yes, 4.3 not 4.2). <telnet.c> \_\_\_\_\_ SMR Number: [1662 ] ROS Version: [3.3u3 Status: closed Target Release: Last Reviewed: 04/21/1986 [When you try to telnet to a system whose host name is greater than 16 [characters, you get a host name too long error message. Solution SMR Number: [1662 Fix will be included in: Description: modified login to use 32 character hostnames instead of 16 characters. <login.c> \_\_\_\_\_ SMR Number: [1663 ] ROS Version: [3.3 ] 1 Keyword: [kermit Status: open Target Release: Last Reviewed: 04/21/1986 [Customer rlogin'ed to one machine, started kermit, and as soon as kermit ] [was started on the remote machine, the kermit on the ridge exited. No [initiate packet reached the receiving system. The obvious way around ] [this is to not use kermit over rlogin, so it is low priority. ] SMR Number: [1664 ] ROS Version: [3.3 ] Status: open Target Release: Last Reviewed: 04/21/1986 [Cron vanishes, and no errors are left in /usr/lib/cron/errors, and there ] [is no evidence of corruption of /usr/lib/cron.pid. Log file indicates [that nothing was running under cron's control when cron disappeared, and [the last thing to run completed execution normally. The last thing to [run on two separate occasions were different things, and the uptime on [the affected machine was less than two weeks in each case. I gave the [customer a newer version of cron, with the fixes suggested by AT&T (that (supposedly fix these kinds of mysterious problems), but the problems (persist. I have logfiles and the crontab file for reference, if [necessary. \_\_\_\_\_ SMR Number: [1665 ] ROS Version: [3.3 Status: open Target Release: Last Reviewed: 04/28/1986 [IP input calling m pollup to get hlen bytes data [TP: bad checksum: IP=1160 IP=1180c [this error message was displayed when an rsh to a vax was finitiated \_\_\_\_\_ SMR Number: [1666 ] ROS Version: [3.3 Program: [rf] | Version: [1.8d] ] 1 Version: [1.8d Program: [rf Status: closed Target Release: Last Reviewed: 07/21/1986 [When this example is run: [ double precision a a=1.0D-100 ſ print \*,a ſ write(\*,10) a ſ [10 format(1pd20.10) [the D is dropped, but should be printed in both cases. Solution SMR Number: [1666 Fix will be included in: Description: The fortran 77 standard (page 13-11) specifies that if the absolute value

of the exponent is in the range 100 through 999, the 'D' will not be

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printed.

Keyword: [s Status: closed [The mt comman [To reproduce, [ mt -f [And you will [ unkno Solution Fix will be incl Description:	nd doesn't know abou type 5 /dev/nct0 status get the message own tape drive type	: ros3.4 Last Reviewed: 04/28/1986 ut ct drives when the status is requested. (1) SMR Number: [1667
[Dereferencing [ 1) the comp [ ended up [ 2) the bit [The symptom i [not get deref Solution Fix will be incl Description: The function	] Target Release: g a pointer to a bit oiler thought the po o on the stack. field is not on a k is that the pointer terenced. uded in: rcl.9	t field may fail if binter would be in a register, but it
Status: open [Specifying 'g [create p-file [the looping i	get Target Release: get -e/sccs' caus as that have already	
[Skipping more [it is possibl Solution Fix will be incl Description:	.670 ] skip Target Release: e lines than exist i e to DEL out. uded in: e as SMR #1042	in the file causes more to hang, but SMR Number: [1670
SMR Number: [1 Keyword: [s Status: closed [skipping more [it is possibl Solution Fix will be incl Description: Closed. Same SMR Number: [1 Status: closed [The 2A man pa [displayed for	.670 ] skip Target Release: e lines than exist i e to DEL out. uded in: e as SMR #1042 	ROS Version: [3.3 ] ] Last Reviewed: 04/28/1986 in the file causes more to hang, but SMR Number: [1670 ROS Version: [3.3 ] ROS Version: [3.3 ] ros3.4 Last Reviewed: 04/28/1986 h /usr/lib/whatis, and therefore are are no man pages. I looked on a 3.4

<pre>[{   [ x-&gt;j += 1;   [} Solution SMR Number: [1673 Fix will be included in: rc 1.9 Description:   In movemm/mov, for the reg-&gt;mem and mem-&gt;reg cases an extra check was added   for the dotmode, size=16 bits case (all other cases are ok). Extv,extzv or   insv will be called in this case</pre>
SMR Number:       [1674]       ROS Version:       [3.3u3]         Program:       [rc       ]       Version:       [1.8]       ]         Status:       closed       Target Release:       rcl.9       Last Reviewed:       05/05/1986         [A bad argument list to rc, i.e.       [rc -o foo.c]       or       rc -o foo.l foo.c       [overwrites source with executable.       cc does not allow this to happen.         Solution       SMR Number:       [1674]         Fix will be included in: rc 1.9       Description:         The rc, rp and rf drivers (they are all the same actual executable file)         now check to be sure that the output file from ld does not end in ".c",         ".p" or ".f".       If the output file does end in one of these suffixes, the         driver issues the same error message as cc issues.
SMR Number:       [1675]       ROS Version:       [3.3]         Keyword:       [.F extension]       ]         Status:       open       Target Release:       Last Reviewed:       05/05/1986         [Dbx doesn't recognize a fortran source file with a .F extension.       Dbx         [seems to run fine, but if you try to list the contents of the source       [file_it correlations (control open file_f)]
SMR Number:       [1676]       ROS Version:       [all]       ]         Keyword:       [new program]       ]         Status:       on hold       Target Release:       Last Reviewed:       05/19/1986         [The 'script' program needs to be ported.       ]
SMR Number:       [1677]       ROS Version:       [all]       ]         Keyword:       [tapedriver]       ]       ]         Status:       open       Target Release:       Last Reviewed:       05/19/1986         [1] mt fsf and aking the tape drive offline while forwarding results in a       [       prompt coming back to your terminal.         [2] mt rew and taking the tape drive offline while rewinding results in a       [       locked up terminal.         [4] He would prefer that the terminal does not get locked out; however, he       [feels that there should be consistency between 1 and 2.         [4] (This problem has been copied from SMR #1446)       [
SMR Number:       [1678]       ROS Version:       [3.3]       ]         Program:       [rf]       Version:       [1.8d]       ]         Status:       closed       Target Release:       rf1.9       Last Reviewed:       05/19/1986         [Bad       code is generated for the loop       [       do       10]       []

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Fix will be included in: rf 1.9 Description: In dodostatement a boundry condition was missed, and code gets generated and executed for the "do 10,i=1,0" loop. I have fixed the boundry

condition, and informed GreenHills of the fix.

SMR Number:       [167]       NOS Version:       [3.3]       ]       [In the case         Forgram:       [rf]       Version:       [1.4]       [In the case         Status:       closed       Target Release:       rfl.9       Last Reviewed:       [In the case         [In tender does not flag admittedly archaic statements like       ]       [Inter case]       [Inter case]       [Inter case]         [Inter case]       [Inte	condiction, and informed dieenn		[The client's	
The compler does not flag admittedly archaic statements like  [ integer variable instar-5h(480)  [ integer variable instar. The 'old' 77 generated an error message for  [ this. Customer runs into this problem on occasion as he reworks old Cray  [ '77 compiler was available.SMR Number: [1679  [ '77 compiler was available.NGS Version: [1.3.3  [ '77 compiler was available.I // SMR Number: [1679  SMR Number: [1680 / /[ '16 collowaSee example in // Usr/Orlews/1600/, which ins  [ '16 collowaSee example in // Usr/Orlews/1600/, which ins  [ '16 collowaSee example in // Usr/Orlews/1600/, which ins  [ '16 collowaSee example in // Usr/Orlews/1600/, which ins  [ '16 collowaSee example in // Sc/Orlews/1600// Si/9/1986  [ '16 collowaSee example in // Sc/Orlews/1600/Si/9/1986  [ '16 will be included in: rf 1.9SMR Number: [1680   <td< td=""><td>Program: [rf ]</td><td>Version: [1.8d ]</td><td>[In the case of [driver is emp</td></td<>	Program: [rf ]	Version: [1.8d ]	[In the case of [driver is emp	
<pre>[intiger variable intstr. The 'old' f77 generated an error message for [this. Customer runs into this problem on occasion as he reworks old Cray ] [codes, where &amp; characters per word are acceptable, written before a full ] [codes, where &amp; characters per word are acceptable, written before a full ] [codes, where &amp; characters per word are acceptable, written before a full ] [codes, where &amp; characters per word are acceptable, written before a full ] [codes, where &amp; characters per word are acceptable, written before a full ] [codes, where &amp; characters per word are acceptable, written before a full ] [codes, where &amp; characters per word are acceptable, written before a full ] [code a waring "String too long for integer" to flag this problem. [code a waring "String too long for integer" to flag this problem. [code a waring "String too long for integer" to flag this problem. [code a waring "String too long for integer" to flag this problem. [code accept the corresponding coefficients, then recomputes the roots. Run ] [the real and complex parts of the roots of a 3rd degree polynomial.] [the program with "echo l 2 3 4 5 6   a.out", and then comment out line ] [the the complex local variable. I have obsoleted the [the string alonement files from the baserel machops, and have a better way for movem to code rance and unchable. I have obsoleted the [complex allonement if a machop has complex data type allgument (see eval. piscomplexPtr]. HNR Number: [1681 ] ROS Version: [all ] [the included in: except for: [with the needs of the network server. [with the need</pre>	[The compiler does not flag adm [ intstr=5h(4a8)	ittedly archaic statements like ]	-	
[this. Customer runs into this problem on occasion as he reworks old Cray  [Status: cogen[codes, where & characters per word are acceptable, written before a full  [Man searche[codes, where & characters per word are acceptable, written before a full  [Imascarche[codes, where & characters per word are acceptable, written before a full  [Imascarche[codes, where & characters per word are acceptable, written before a full  [Imascarche[complex was available.[ImascarcheI have added a warning "String too long for integer" to flag this problem.[ImascarcheSMR Number: [1660 ]ROS Version: [3.3 ][Imascarche[reformense generates incorrect code in assigning one double complex 1[Imascarche[reforma with 'col 2 3 4 5 6 ] a.out', and then comment outine[Imascarche				
['77 compler was available.[ 10cal commuteSolutionSMR Number: [1679 ][ 1 th tit wilFix will be included in: rf 1.9SMR Number: [1679 ][ th tit wilDescription:I have added a warning "String too long for integer" to flag this problem.SMR Number:SMR Number:[1680 ]ROS Version: [3.3 ][ the c givSMR Number:[1680 ]ROS Version: [3.3 ][ the c givSMR Number:[1680 ]ROS Version: [3.1 ][ the c givSMR Number:[1680 ]ROS Version: [3.1 ][ the c giv(computes the coresponding coefficients, then recomputes the roots. Run ][ the c giv[ the real and complex parts of the roots of a 3rd degree polynomlal, ][ the c giv[ the real and complex parts of the roots of a 3rd degree polynomlal, ][ the c giv[ the real and complex parts of the roots of a 3rd degree polynomlal, ][ the c giv[ the real and complex parts of the roots of a 3rd degree polynomlal, ][ the c giv[ the answord[ the network server[ 1 the follow][ the answord[ the network server[ 1 the follow][ the network server[ 1 the follow][ 1 unsigned sh[ the network server uses numerous 4.2 include files, many of which it ][ will be included in:eval.p/iScomplexPt/.[ 1 motheneds of the assignment of the double complex array[ 1 motheneds of the network server uses numerous 4.2 include files, many of which it ][ The network server uses numerous 4.2 include files, many of which it ][ motheneds of the network server.[ motheneds of the network server	[this. Customer runs into this	problem on occasion as he reworks old Cray ]	Status: open	
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MMR Number:       [1600]       ROS Version:       [3.3]       ]       [ # defIne Trogram:         Trogotam:       [rf       Smettines       generates       incident       [ the rc giv         Status:       closed       Target Release:       rf1.9       Last Reviewed:       05/19/1966         If sometimes generates       incorrect code in assigning one double complex [ the real and complex parts of the roots of a 3rd degree polynomial, [ the program with "echol 2 3 4 5 6   a.out", and then comment out line [ 158 and uncomment lines 159-160 to see the incorrect results. Temp 1s [ not assigned the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the signed the value 1, which is contained in a(1), leading to division [ the disting the docde for the assignment of the double complex array [ the included in: rf 1.9       [ unsigned shi [ ( unsigned shi [ the reduck accept the baserel machops, and have a better way [ for movemm to determine if a machop has complex data type alignment (see eval.p/lsComplexPtr).       [ bescription: There were accept and the secret augulcates of the 4.2 includes [ frem entwork server. uses numerous 4.2 includes files, many of which it [ furth the needs of the network server. [ worthies while other here. h, lp, h, jp, var.h, tcp.h, tcp_ttmer.h> <sys mbuf.h,<br="">socketvar.h, trace.h&gt;</sys>				
<pre>status: closed Target Release: rfl.9 Last Reviewed: 05/19/1986 [rf sometimes generates incorrect code in assigning one double complex ] [the real and complex parts of the roots of a 3rd degree polynomial. ] [the real and complex parts of the roots of a 3rd degree polynomial. ] [the program with 'ccho 1 2 3 4 5 6   a.out', and then comment out line ] [the program with 'ccho 1 2 3 4 5 6   a.out', and then comment out line ] [the program with 'ccho 1 2 3 4 5 6   a.out', and then comment out line ] [the program with 'ccho 1 2 3 4 5 6   a.out', and then comment out line ] [the program with 'ccho 1 2 3 4 5 6   a.out', and then comment out line ] [the program with 'ccho 1 2 3 4 5 6   a.out', and then comment out line ] [the satigned the value 1, which is contained in a(1), leading to division ] [the scription: rf generated bad code for the assignment of the double complex array erearchicine: rf generated bad code for the assignment of the double complex array eval.p/isComplexPtr). MR Number: [1681 ] ROS Version: [all ] [the network server uses numerous 4.2 include files, many of which it ] [the network server uses numerous 4.2 includes to be compatible ] [from the network servers. and update the 4.2 includes to be compatible ] [with the needs of the network server. ] [toution . (the included in: cross cross/f.h, list.h&gt; (t.cs? cross/f.h, list.h&gt; (t.cs? inctine/if_ether.h, ip.h, ip_var.h, tcp.h, tcp_timer.h&gt;<sys mbuf.h,<br="">socketvar.h, trace.h&gt; (scrost cross/f.h, list.h&gt; (t.cs? intime/if_ether.h, ip.h, ip_var.h, tcp.h, tcp_timer.h&gt;<sys mbuf.h,<br="">socketvar.h, trace.h&gt; (mattimes [1682 ] ROS Version: [all ] [ tryee GENERM MNumber: [1682 ] ROS Version: [all ]</sys></sys></pre>	SMR Number: [1680 ]	ROS Version: [3.3 ]		
If f sometimes generates incorrect code in assigning one double complex SMR Number:[variable to another. See example in / usr/beth/exp/1680.f, which inputs Program: [rc[the real and complex parts of the roots of a 3rd degree polynomial, Program: [rc[computes the corresponding coefficients, then recomputes the roots. Run Status: close[1b and uncomment lines 159-160 to see the incorrect results. Temp is [unsigned sin[po 0.   [unsigned sin[b] 0  [unsigned sin[c] ris will be included in: rf 1.9SMR Number: [1680  [c] complex alignment field from the baserel machops, and have a better way  [c] complex alignment field from the baserel machops, and have a better way  [c] from rovemm to determine if a machop has complex data type alignment (see printfeval.p/lscomplexPtr). ROS Version: [all ] Program: There ware[f] the network sources, and update the 4.2 include sto be compatible ]Shumber:There ware[fw network sources, and update the 4.2 includes to be compatible ]Shumber:Shumber:[with the needs of the network server. Shumber: [with the needs of the network server. Shumber:Shumber:[with the needs of the network server. Shumber:Its is istaus: open[with the needs of the network server. Shumber:Its istaus: open[with the needs of the network server.  <			[the rc gives	
<pre>[variable to another. See example in /usr/beth/exp/1680.f, which inputs ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recomputes the roots. Run ] [computes the corresponding coefficients, then recompute the include in: from the baserel machops, and have a better way [complex tri.]] [complex tri.] ROS Version: [all ] [complex tri.] ROS Version: [all ] [computes the recessary, modified ns sources to use 4.2 includes [complex complex tri.]] [complex tri.] ROS Version: [all ] [complex complex.] Complex tri.] ROS Version: [all ] [complex tri.] ROS Version: [all ] [co</pre>			CMD Number of 1	
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[computes the corresponding coefficients, then recomputes the roots. Run]Status: close[156 and uncomment lines 159-160 to see the incorrect results. Temp is[ [the followi[156 and uncomment lines 159-160 to see the incorrect results. Temp is[ [unsigned signed to value 1, which is contained in a(1), leading to division[ [unsigned signed to value 1, which is contained in a(1), leading to division[ by 0.][ [unsigned signed to value 1, which is contained in a(1), leading to division[ [ [unsigned signed to value 1, which is contained in a(1), leading to division[ by 0.][ [ [unsigned signed to value 1, which is contained in a(1), leading to division[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [				
[158 and uncomment lines 159-160 to see the incorrect results.[ (unsigned signed the value 1, which is contained in a(1), leading to division 1)[ hot assigned the value 1, which is contained in a(1), leading to division 1)[ (unsigned signed sig			Status: closed	
[not assigned the value 1, which is contained in a(1), leading to division[fun(u)[by 0.[unsigned sh[solutionSMR Number: [1680][[unsigned sh'ix will be included in: rf 1.9[[unsigned shbescription:[[unsigned shrf generated bad code for the assignment of the double complex array[[unsigned shelement to the double complex local variable. I have obsoleted the[[printf](complex alignment field from the baserel machops, and have a better way[]for movemm to determine if a machop has complex data type alignment (see[]eval.p/isComplexPtr).Description:MR Number:[1681]ROS Version: [all][] The network server uses numerous 4.2 include files, many of which itItarget^.dat[] files, while other shave been slightly modified. Delete the duplicatesItarget^.dat[] firth the network sources, and update the 4.2 includes to be compatibleSMR Number:[] while the network server.[][] staus:cose was ad[] tix will be included in:SMR Number:escription:[][] wdified 4.2 files where necessary, modified ns sources to use 4.2 includes[] wdified 4.2 files where necessary, modified ns sources to use 4.2 includes[] the high-orexcept for <sys trace.h="">&lt;</sys>			[The following	
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	[The lineprinter drivers (ciolp,	fdlp) along with the tty drivers delay		

(their response to a close request until the driver's buffers have emptied. ) e client's UM hangs, waiting for the response. the case of the LP spooler, if the printer runs out of paper while the iver is emptying the buffer, the close can hang indefinitely. fortunately, the same UM is shared by the LP spooler, and the networking ] emons, so the daemons will also be hung until the close of the LP mpletes. umber: [1684 1 ROS Version: [3.3 s: open Target Release: Last Reviewed: 06/02/1986 n searches only man[1-8] and cat[1-8]. Customer would like to keep cal command documentation in a separate place, so please fix man so at it will search /usr/man/{man,cat}\*. mber: [1685 1 ROS Version: [3.3 1 s: open Target Release: Last Reviewed: 06/02/1986 en the following define is in a program #define NAME "=>" rc gives an 'illegal symbol' error. mber: [1686 ROS Version: [3.4 1 1 am: [rc Version: [1.8d rd: cast 1 : closed Target Release: rc1.9 Last Reviewed: 06/02/1986 following function shows the problem. \*u gets the high half word from signed short) 1, instead of the low half word. (u) signed short \*u; unsigned long 1 = 13; donothing(&1); \*u = (unsigned short) 1; printf("%d %d\n", \*u, 1); on SMR Number: [1686 ll be included in: rc 1.9 ption: ere were already a series of cases which had this same problem, so this e was added to an existing list of checks to be made. This is done er the big case statement in neweval, where get^.datatype <> ret^.datatype, and other conditions are met. mber: [1687 ROS Version: [3.3u5 1 d: [cbreak 1 : open Target Release: Last Reviewed: 06/02/1986 cs8 AT&T mode must be set manually with stty to enable a 4.2 program ng CBREAK mode on output to work correctly. Without doing this, high-order bit is set (or not) incorrectly. mber: [1688 ROS Version: [none 1 m: [rp Version: [1.8d 1 d: [pascal type-cast ] : closed Target Release: rp1.9 Last Reviewed: 06/09/1986 s problem was reported by Bull. The type cast causes the error tioned in the comment. e GENERIC FILE = text; ftype = file of integer; f3: ftype; i,j: integer; ction getfp(var f: GENERIC FILE): integer; external; cedure p; in f3^ := i; put(f3); j := getfp(f3\GENERIC FILE); f3^ := i; {'type mismatch' error on this line}

Description:

[end; SMR Number: [1688 Solution Fix will be included in: rp1.9 Description: The type casting code in twoop was resetting the typorval field in an object, so that subsequent references to the casted object using the same object had the new typorval field being used. I created a new object for the new typorval field to be associated with. SMR Number: [1689 ] ROS Version: [3.4u] 1 Keyword: [include files 1 Last Reviewed: 06/09/1986 Status: closed Target Release: [/usr/include/pas/{a.out.h.stdio.h] each include 'ctypes.h'. They should [each include '/usr/include/pas/ctypes.h' SMR Number: [1689 Solution Fix will be included in: Description: 'ctypes.h' has been changed to <pas/ctypes.h> 1 SMR Number: [1690 ] ROS Version: [3.4 Keyword: [blanket smr ) Last Reviewed: 06/09/1986 Status: open Target Release: ros3.4u2 [This smr will be used to cover all system software changes made for [ROS3.4 update #2 (headwall release) by Dave C. ROS Version: [3.4 ] SMR Number: [1691 ] Status: open Target Release: Last Reviewed: 06/16/1986 [After using the cancel command to abort a print-job, the process which [is writing the output (sh interface/lp) occasionally remains alive, with [the device-file /dev/lp open. This causes subsequent open requests to (fail. The problem has been seen twice on ridge, but is not easily [Symptom: lpstat -t reports printer is disabled because /dev/lp cannot [be opened. \_\_\_\_\_ ROS Version: [3.4u] SMR Number: [1692 ] 1 Program: [login Version: [1.30 1 Target Release: ros3.4.ul Last Reviewed: 06/16/1986 Status: closed [rlogin to a remote 3.4ul beta system, and you get a login prompt rather [than being automatically logged in. This is true despite the /etc/hosts. [equiv and .rhosts files being correct. Solution SMR Number: [1692 Fix will be included in: 3.4u1 Description: Copy the hostname from the variable into which we read it, into the utmp structure, instead of vice-versa. Make sure all the variables can handle 32 char hostnames (including the null terminator), except for the utmp structure itself. <login.c> \_\_\_\_\_ SMR Number: [1693 1 ROS Version: [3.4u1 1 Last Reviewed: 06/16/1986 Status: closed Target Release: [Convert 'as' to compile and run with rp instead of pp. Solution SMR Number: [1693 Fix will be included in: Description: 'as' has been converted to compile and run with rp instead of pp. I also made 'as' accept longer source lines to accomidate the longer stabs lines which the 1.9 versions of the compilers are generating. My tests show 'as' is now about 20% faster than before. ROS Version: [3.4u1 SMR Number: [1694 ] Last Reviewed: 06/16/1986 Status: closed Target Release: [The version 1.9 compilers generate different symbolic debug information in ] [some cases. Dbx must be modified to accept this different information. ] SMR Number: [1694 Solution Fix will be included in:

Dbx has been modified to accept the different symbolic debug information generated by the version 1.9 compilers. Dbx may still be used with older versions of the compilers without any ill effects. SMR Number: [1695 ] ROS Version: [3.3 Keyword: ſmagic 1 Last Reviewed: 06/16/1986 Status: open Target Release: [Files with correct magic numbers aren't recognized by the file command. [See example in /usr/beth/exp/1695 \_\_\_\_\_ SMR Number: [1696 ] ROS Version: [all Status: open Target Release: Last Reviewed: 06/16/1986 [From a local system, rlogin or telnet to remotel. From remotel, [ftp to remote2 (which can be the same as local if desired). If there [is no .netrc file on remotel, the username in the ftp login prompt for [remote2 is the hostname of remote2, rather than the user's username. SMR Number: [1697 ] ROS Version: [all Status: open Target Release: Last Reviewed: 06/16/1986 [rlogin to remote system. If the remote is moderately loaded, the echoing ] of characters can be so slow that the user thinks the remote system has [gone down. [This may be related to part of the pseudo tty running batch rather than [interactive. \_\_\_\_\_ SMR Number: [1698 ROS Version: [3.3 ] 1 [dwb] Keyword: Status: open Target Release: Last Reviewed: 06/16/1986 [A manual page is needed for makedev(1), and the customer also thinks fit would be a good idea to include /usr/bin/makedev in the list of [files in the DWB SRD. 1 \_\_\_\_\_ SMR Number: [1699 ROS Version: [3.3 Status: open Target Release: Last Reviewed: 06/16/1986 [If there's anything in the queue, lpshut doesn't kill lpsched, it just [removes the SCHEDLOCK file. Sometimes lpshut does worse than that... [it just hangs, and things must be killed manually with kill -9. SMR Number: [1700 1 ROS Version: [3.3 Status: closed Target Release: Last Reviewed: 06/16/1986 [Including /usr/include/ndir.h and /usr/include/sys/types.h results [in 'incompatible types' message. Repeat by creating foo.c: [ #include <ndir.h> [ #include <sys/types.h> [cc -c foo.c [The reason for the error message is that ndir,h uses #define lines for [u short and u long rather than including types.h. There is a fix for [this... see the solution form. Solution SMR Number: [1700 Fix will be included in: Description: In ndir.h, change #define lines for u short and u\_long to: #ifdef ridge #include <sys/types.h> #else #define u short unsigned short #define u long unsigned long #endif This is safe against multiple includes of types.h because types.h uses a #define and #ifdef to make sure its body is not included more than once. This has been closed by smr 1710 \_\_\_\_\_ SMR Number: [1701 ROS Version: [all 1 Program: [telnetd Version: [1.18 3 Status: closed Target Release: Last Reviewed: 06/30/1986

[telnet to a significantly faster system (e.g., a headwall), and sometimes ] [the /etc/issue file and login prompt don't get output. SMR Number: [1701 Solution Fix will be included in: Description: Change TIOCSETP to TIOCSETN so input is not flushed. <telnetd.c> SMR Number: [1702 ] ROS Version: [3.3 ] Target Release: Last Reviewed: 06/30/1986 Status: open [Several standard system maintenance operations require one to reboot the ] [system. This is a frequent cause of major problems (particlarly when [we try to run long jobs (>100 cpu hours), which constitute a significant (part of our machine usage). Specifically, it would be a great improvement | [if the following operations could be carried out without rebooting: [1) restarting the networking software, 2) restarting hung terminal drivers, ] (3) disk verify and possibly minor repair, and 4) disk compaction. More [details are provided on each of these cases in /usr/beth/exp/1702. ROS Version: [3.3 SMR Number: [1703 ] Status: open Target Release: Last Reviewed: 06/30/1986 [rc, cc, and lint do not allow structure/union references of the form: [(struct a = struct b).field [See the longer example in /usr/beth/1703.c [lint produces: (warning: v may be used before set [structure reference must be addressable [cc produces: [structure reference must be addressable [rc produces: [this is not an lvalue [type mismatch \_\_\_\_\_ SMR Number:[1704]ROS Version:[3.3]Status:openTarget Release:Last Reviewed:06/30/1986 [Using neworp to change to a group you don't have permission to change [to prints the error message 'Sorry', but starts a new shell anyway. [The new shell is not associated with the new group, but either where the user started from, or the user's login group. SMR Number: [1705 ] ROS Version: [all Status: open Target Release: Last Reviewed: 06/30/1986 [2 rloginds can get the same pseudo tty at the same time, if their timing ] [is just right. As expected, the 2 remote users get confused. Neither can ] (do much of anything, but they can see some of each other's typing. 1 [If one user types ~. then both connections appear to be closed. \_\_\_\_\_ SMR Number: [1706 ] ROS Version: [3.4 ] Status: open Target Release: Last Reviewed: 06/30/1986 SMR Number: [1707 ] ROS Version: [3.4u1 1 Keyword: [tape problem ] Status: closed Target Release: ros3.4.u2 Last Reviewed: 06/30/1986 (When using the -c (create tape) option of ctcat:xistant or zero length [if it is passed filenames that correspond to non-existant or zero length [files, the tape that ctcat writes is bad. Solution SMR Number: [1707 1 Fix will be included in: ros3.4u2 Description: Fixed bugs in /usr/src/cmd/ctcat/ctcat.c that caused it to write bad tapes if given filenames that were non-existant or corresponded to files that were zero in length. Now, ctcat checks before writing directory on the tape to make sure all files are accessable and lets the user know when it wasn't able to write a requested file. \_\_\_\_\_ SMR Number: [1708 ] ROS Version: [3.4 ]

Keyword: [Source Release 1 Status: closed Target Release: ros3.4.u2 Last Reviewed: 07/07/1986 [Previously, only a CIO download file (/ros/bootcio) was released. [At this time, all of the 8086 assembler source, and the source for [some releted utility programs is being released. Solution SMR Number: (1708 Fix will be included in: ros3.4.u2 Description: The 8086 assembler is now resident on 'hood' so that the 'bootcio' file can be created there. SMR Number: [1709 ] ROS Version: [3.4u1 1 Keyword: [RF compiler test ] Status: closed Target Release: ros3.4.u2 Last Reviewed; 07/07/1986 [Systest can now test the RF compiler. Solution SMR Number: [1709 1 Fix will be included in: ros3.4.u2 Description: fffff.f file added to source area on 'hood'. \_\_\_\_ SMR Number: [1710 ] ROS Version: [all 1 [ndir.h 1 Keyword: Status: closed Target Release: ros3.4.u2 Last Reviewed: 07/21/1986 [including /usr/include/ndir.h and /usr/include/sys/types.h [results in "incompatible types" message. SMR Number: [1710 Solution 1 Fix will be included in: ros3.4.u2 Description: Changed /usr/src/include/s.ndir.h to conditionally include sys/types.h instead of defining u\_short and u\_long. \_\_\_\_\_ ROS Version: [3.3u3 SMR Number: [1711 1 1 Program: [rp 1 Version: [1.8 Status: closed Target Release: rp2.0 Last Reviewed: 07/21/1986 [With declarations like: type eight bits=0..255; var mem: packed array[1..100000] of eight bits; [array mem takes full 400000 bytes of memory rather than 100000 that [it needs. On the other hand, packed records are indeed packed: a [declaration type eight bits=0..255; four bytes=record b0,b1,b2,b3;eight bits;end; var stuff: array[1..100000] feach member of the array stuff occupies 4 bytes & the whole array occupies [40000 bytes. Packed arrays of characters also work properly. This bug [makes it very hard to share variables between pascal and c. However, even ] [the waste of memory may be more than annoying if an array is large. Also, ] farrays declared in the main program are treated as static rather than [global C-arrays: the space is allocated at compilation time rather than [run time. They end up occupying too much disc sp SMR Number: [1711 Solution Fix will be included in: rp2.0 Description: In rp 1.9 packed array of subrange will be packed to 8 or 16 bits if possible. Rp 1.9 will also provide a means to allow variables declared in the main program to be static or global, as the programmer wishes. SMR Number: [1712 ] ROS Version: [3.3u3 1 Program: [rp 1 Version: [1.8 Status: closed Target Release: none Last Reviewed: 07/28/1986 [Pascal high level I/O functions write and read are too sensitive to the [types of their arguments. [1] Files that are acceptable to read/write have to be declared as in ('f:Text:'. 'Text' supposedly means 'packed file of char'; however, when a ] [file variable is declared as in 'fl:packed file of char;', rp does not

[file variable is declared as in 'fl:packed file of char;', rp does not ] [accept statements like 'write(fl,...)'. 2) write does not accept as ] [arguments character strings declared as 'packed array of char' if such a ] [declaration occurs in a function or procedure rather than in main program.] [The problem appears to be related to the fact that variables declared in a ] [procedure are automatic, while constants & variables declared in main pgm ] [are static. These problems are only relevant to the high level I/O that ] [uses read and/or write. Lower level I/O using constructions like ] ['a:=f^;get(f)' or 'f^:=a;put(f)' appear to work properly. ]

Solution SMR Number: [1712 Fix will be included in:

Description:

1) I believe this is a user misunderstanding. Section 6.4.3.5 of the Pascal standard indicates that 'textfile' and 'packed file of char' are not equivalent. However 'write' does accept a file of char, given an expressio of type char. 'Packed file of char' is not the same as 'file of packed array of char', so a packed array of char may not be written in a 'packed file of char'.

2) I could not duplicate this complaint. It seems to work fine for me.

SMR Number: [1]	13 ]		ROS Ve	ersion: [3.3u3	1
Program: [rp	]		Versio	on: [1.8	]
Status: closed	Target	Release:	rp2.0	Last Reviewed:	07/21/1986
[File variables	declared	in pascal	procedures or	functions are f	incorrectly

[initialized, causing program to fail with data alignment violation. Pascal] [files are 20-byte records that should be aligned at word boundaries, but ] [not necessarily double word boundaries. Consequently, the save space for ] [all files in a procedure (pascal files always static) is allocated in one ] [continuous block in data space. When the procedure is called, the content ] [of this save space is copied into the procedure's frame. For each file or ] [array of files rp issues a string of load-store command pairs. When the ] [compiler thinks that the save area of a file is aligned at a double-word ] [boundary, it tries to shorten the load-store chain by replacing it with a ] [chain of double-word loadd-stored commands (followed by a single load-store] [pair if necessary). Unfortunately, the compiler's idea of whether or not ] [a particular file record has a double-aligned save area is often incorrect.] Solution SMR Number: [1713]

Fix will be included in: rpl.9

Description:

Fixed in fixups.p/malignment at the textreloc subcase. Forced the compiler to regard this type of data item as having byte alignment.

SMR Number: [1714 ] ROS Version: [3.3u3 Program: [rp ] Version: [1.8 ] 1 Program: [rp 1 Version: [1.8 Status: closed Target Release: rp2.0 Last Reviewed: 07/21/1986 Statements of the form 1 [ "integer" := round( "real valued expression" ) [generate illegal and meaningless assembly code, causing the assembly [stage of compilation to fail. The code produced by rp contained a line [ dfixr r15,-20,r1 [instead of what should have been something like: [dfixr r1,r6 [ store r1, r15, -20 [The problem occurs only when a rounded expression is immediately assigned [rather than being part of a bigger expression. [See /usr/beth/exp/1714 for a continuation of this report. Solution SMR Number: [1714 Fix will be included in: rp1.9 Description: The fixr instruction had been omitted from the list of instructions which might need to be fixed up after code generation. The change is in fixups.p procedure fixmachops. SMR Number: [1715 ] ROS Version: [3.4 1 Keyword: [VMS bit functions ] Status: closed Target Release: rf2.0 Last Reviewed: 07/21/1986 [Add the VMS bit functions to libF77.a as part of the VMS extension project.] The files are bit.h, bitsIRTF.s, bitsR2V2.s, mvbits.c. Solution SMR Number: [1715

Fix will be included in: rf1.9 Description: The files have been checked in. SMR Number: [1716 ] ROS Version: [3.4 ] Status: open Target Release: Last Reviewed: 07/21/1986 [Double-buffering on reads by tapedriver results in tape being incorrectly ] [positioned after a read. Demonstrate by creating a file with fixed-length ] [records of length=x, contents of record could contain string indicating ] [record number. Issue command dd if=/dev/rmt0 count=1 bs=x 1 [gets first record. Tape should be positioned at beginning of record 2. [Another command as above returns record number 3! SMR Number:[1717]ROS Version:[3.4]]Status:openTarget Release:Last Reviewed:07/21/1986 [flush(3f) is not documented, yet is present in the library. [It is called from within ioinit.f. Solution SMR Number: [1717 Fix will be included in: Description: I have given Gordon Furbush the man page from the UCB 4.2 manual. ROS Version: [3.4u1 ] SMR Number: [1718 ] Status: open Target Release: Last Reviewed: 07/21/1986 [Check in new files from GreenHills 1.8 release, and integration with Bull ] [in June, 1986. Solution SMR Number: [1718 1 Fix will be included in: version 1.9 Description: Files are checked in. SMR Number: [1719 ] ROS Version: [3.4u] 1 Keyword: [VAX/VMS extensions ] Status: closed Target Release: rf2.0 Last Reviewed: 07/21/1986 [Misc. changes to fortran 1/o library for VAX/VMS extensions. Solution SMR Number: [1719 Fix will be included in: rf1.9 Description: The makefile has been changed to allow VAX extension code to be compiled. Bull fixes in two assembly code files. Add new types for VAX extensions. Modify open for consistency with previous rf, and f77. Several changes from Bull for VAX extensions. SMR Number: [1720 1 ROS Version: [3.4u] 1 Program: [rc ] Version: [v2.0 (beta) ] Keyword: [load from wrong byte] Status: closed Target Release: rc2.0 Last Reviewed: 07/21/1986 [rc loads the wrong byte from the stack on the following example: [main() [{ char c; unsigned short s = 10; [ c = s;[ func(&s, c); [] (func(s,c) [unsigned short \*s; char c; 11 [ if (c'!= \*s) printf("bad\n"); 11 Solution SMR Number: [1720 Fix will be included in: rc 2.0 Description: Another problem arising from the byte ordering differences between the

Another problem arising from the byte ordering differences between the Ridge and VAX (the original code generator was a VAX code generator). Fixed in procedure mov (nested in movemm), file codegen.p. 60

MR Number: [1721 ]	ROS Version: [3.3 ]
rogram: [rc } tatus: closed Target Release:	Version: [1.8 ] rcl.8d Last Reviewed: 07/21/1986
[here are the examples:	
[double foo(x)	<pre>#include <stdio.h></stdio.h></pre>
[double x; [{	<pre>  extern double foo();   main()</pre>
[float y;	
y = x;	double in, out;
<pre>[return((double)y);</pre>	in = 1.0;
[]	out = foo(in);
	<pre>printf("in=%f, out=%f\n", in, out);</pre>
l [The results of in and out do not	} match as they should
olution	SMR Number: [1721
ix will be included in:	•••••••
escription:	
This is fixed in rc 1.8d.	
MR Number: [1722 ]	ROS Version: [3.3u5 ]
tatus: open Target Release:	Last Reviewed: 07/21/1986
[Example in /usr/beth/exp/1722.c p	
	message 14 is printed (bad address),
[when it should actually be error	message 25 (not a typewriter).
MR Number: [1723 ]	ROS Version: [3.3u3 ]
rogram: [rf ]	Version: [1.8d ]
eyword: [char ]	
	rf2.0 Last Reviewed: 07/21/1986
[ character*1 var	
[ do 1 i=65,85 [ var=char(i)	
[ print *,i,var	
[ 1 continue	
<pre>[ 1 continue [ The upper case letters 'A' three ]</pre>	ough 'U' should be returned in 'var'
[ 1 continue [ The upper case letters ' $\lambda$ ' thre [through execution of the loop. In	nstead, a 'null' is returned. Removing
[ 1 continue [ The upper case letters 'A' thre [through execution of the loop. In [the 'i' from the print statement of	nstead, a 'null' is returned. Removing corrects the problem. Appears to have
[ 1 continue [ The upper case letters 'A' thr [through execution of the loop. II [the 'i' from the print statement [been fixed in version 2.0. This a	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes.
[ 1 continue [ The upper case letters 'A' thru- [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is plution	nstead, a 'null' is returned. Removing corrects the problem. Appears to have
[ 1 continue [ The upper case letters 'A' thr [through execution of the loop. II [the 'i' from the print statement [been fixed in version 2.0. This a	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes.
<pre>[ 1 continue [ The upper case letters 'A' thr [through execution of the loop. In [the 'i' from the print statement [been fixed in version 2.0. This is plution ix will be included in: rf2.0 escription: This is fixed already in rf 2.0.</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720
<pre>[ 1 continue [ The upper case letters 'A' thr [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is plution is will be included in: rf2.0 escription: This is fixed already in rf 2.0.</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720
<pre>[ 1 continue [ The upper case letters 'A' thr. [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is blution Lx will be included in: rf2.0 ascription: This is fixed already in rf 2.0. AR Number: [1724]</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1]
<pre>[ 1 continue [ The upper case letters 'A' thr. [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is blution [x will be included in: rf2.0 escription: This is fixed already in rf 2.0. AR Number: [1724] rogram: [rccom]</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ]
<pre>[ 1 continue [ The upper case letters 'A' thr. [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is blution Lx will be included in: rf2.0 ascription: This is fixed already in rf 2.0. AR Number: [1724]</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ]
[ 1 continue [ The upper case letters 'A' thrue [ The upper case letters 'A' thrue [ through execution of the loop. If [ the 'i' from the print statement of [ been fixed in version 2.0. This is colution [ the included in: rf2.0 [ been fixed in version 2.0. This is control of the included in: rf2.0 [ the included include	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 put the loadh from a storeh/loadh sequence
<pre>[ 1 continue [ The upper case letters 'A' thr. [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is plution k will be included in: rf2.0 escription: This is fixed already in rf 2.0. AR Number: [1724 ] rogram: [rccom ] eyword: [peephole optimizer ] catus: closed Target Release: [The peephole optimizer optimizes of [(operands are equivalent). This set [operands are equivalent]. This set [operands are equivalent]</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 put the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may
<pre>[ 1 continue [ The upper case letters 'A' thr. [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is obtain x will be included in: cf2.0 scription: This is fixed already in rf 2.0. AR Number: [1724 ] cogram: [rccom ] eyword: [peephole optimizer ] atus: closed Target Release: [The peephole optimizer optimizes of (operands are equivalent). This is [be non-zero in the register which</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986
<pre>[ 1 continue [ The upper case letters 'A' thr: [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is blution ix will be included in: rf2.0 escription: This is fixed already in rf 2.0. AR Number: [1724 ] cogram: [rccom ] Pyword: [peephole optimizer ] catus: closed Target Release: [The peephole optimizer optimizes of (operands are equivalent). This is [be non-zero in the register which [loadh. The test program:</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 put the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may
<pre>[ 1 continue [ The upper case letters 'A' thr. [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is obtained in: cf2.0 secription: This is fixed already in rf 2.0. AR Number: [1724] cogram: [recom] eyword: [peephole optimizer] atus: closed Target Release: [The peephole optimizer optimizes of [operands are equivalent]. This is [be non-zero in the register which]</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 put the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may
<pre>[ 1 continue [ The upper case letters 'A' thr: [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is obtained in the print statement of scription: This is fixed already in rf 2.0. AR Number: [1724 ] cogram: [rccom ] eyword: [peephole optimizer ] atus: closed Target Release: [The peephole optimizer optimizes of (operands are equivalent). This is [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main() [ ]</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the
<pre>[ 1 continue [ The upper case letters 'A' thru [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is plution k will be included in: rf2.0 escription: This is fixed already in rf 2.0. AR Number: [1724 ] rogram: [rccom ] eyword: [peephole optimizer ] atus: closed Target Release: [The peephole optimizer optimizes of [operands are equivalent]. This so [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main()</pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the
<pre>[ 1 continue [ The upper case letters 'A' thr: [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is plution ix will be included in: nf2.0 escription: This is fixed already in rf 2.0. </pre>	<pre>nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the 'i=%d\n", i);</pre>
<pre>[ 1 continue [ The upper case letters 'A' thr [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is plution k will be included in: rf2.0 escription: This is fixed already in rf 2.0. </pre>	nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the
<pre>[ 1 continue [ The upper case letters 'A' thr: [through execution of the loop. If [the 'i' from the print statement of [been fixed in version 2.0. This is plution k will be included in: rf2.0 escription: This is fixed already in rf 2.0. AR Number: [1724 ] cogram: [rccom ] eyword: [peephole optimizer ] atus: closed Target Release: [The peephole optimizer optimizes of [operands are equivalent]. This s [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main() [</pre>	<pre>nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the 'i=%d\n", i);</pre>
<pre>[ 1 continue [ The upper case letters 'A' thr: [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is obtained in the print statement of [been fixed in version 2.0. This is obtained in the print statement of scription: This is fixed already in rf 2.0. AR Number: [1724 ] cogram: [rccom ] eyword: [peephole optimizer ] catus: closed Target Release: [The peephole optimizer optimizes of (operands are equivalent). This is [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main() [ ] [ ] obtained in the store of the store of the store of the scription:</pre>	<pre>nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the 'i=%d\n", i); SMR Number: [1724</pre>
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<pre>[ 1 continue [ The upper case letters 'A' thr: [through execution of the loop. In [the '1' from the print statement of [been fixed in version 2.0. This is plution ix will be included in: rf2.0 escription: This is fixed already in rf 2.0. AR Number: [1724 ] roogram: [rccom ] wword: [peephole optimizer ] tatus: closed Target Release: [The peephole optimizer optimizes of [operands are equivalent]. This is [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main() [ t f [ us = -30; i = us; printf(' [ ] plution x will be included in: rc 2.0 scription: The peephol optimizer tried to optimizer [ the peephol optimizer tried to tried t</pre>	<pre>nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the 'i=%d\n", i); SMR Number: [1724 timize away the load from a store/load dentical, regardless of the size of the</pre>
<pre>[ 1 continue [ The upper case letters 'A' thr [through execution of the loop. In [the 'i' from the print statement of [been fixed in version 2.0. This is obtained in version 2.0. This is scription: This is fixed already in rf 2.0. This is fixed already in rf 2.0. [A Number: [1724] orgaram: [rccom] eyword: [peephole optimizer] atus: closed Target Release: [The peephole optimizer optimizes of (operands are equivalent). This is [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main() [ { w will be included in: rc 2.0 scription: The peephol optimizer tried to opt sequence where the operands are in load and store instructions (as in changed the peephole optimizer so [ and the set optimizer so ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [</pre>	<pre>nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723 Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the 'i=%d\n", i); SMR Number: [1724 timize away the load from a store/load dentical, regardless of the size of the ong as the sizes are the same). I have that byte and halfword sequences will not</pre>
<pre>[ 1 continue [ The upper case letters 'A' thru [through execution of the loop. If [the '1' from the print statement of [been fixed in version 2.0. This is lution x will be included in: rf2.0 scription: This is fixed already in rf 2.0. "This is fixed already in rf 2.0. "The peephole optimizer optimizes of [operands are equivalent]. This s [be non-zero in the register which [loadh. The test program: [ unsigned short us; int i; [ main() [ { us = -30; i = us; printf(" [ } ] ] ution x will be included in: rc 2.0 scription: The peephol optimizer tried to opt sequence where the operands are ic load and store instructions (as loced) "The peephol optimizer instructions (as loced)" "The peephol optimizer instructi</pre>	<pre>nstead, a 'null' is returned. Removing corrects the problem. Appears to have SMR logged for informational purposes. SMR Number: [1723</pre> Same problem as described in SMR #1720 ROS Version: [3.4u1 ] Version: [2.0 (beta) ] rc2.0 Last Reviewed: 07/28/1986 out the loadh from a storeh/loadh sequence shouldn't be done; the upper 16 bits may is stored, and will be zeroed on the ''i=%d\n", i); SMR Number: [1724 timize away the load from a store/load ientical, regardless of the size of the out the sizes are the same). I have that byte and halfword sequences will not them. The functions loadMove and

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SMR Number: [1725 ] Program: [rccom ] Keyword: [extra store / extv ]	ROS Version: [3.4u1 ] Version: [2.0 (beta) ]
Status: closed Target Release: rc2.0 [An extra store is generated in the follo [stores the correct value, the second ove [bad value. The test program:	wing test program. The first store] rwrites the correct value with a ]
<pre>[typedef struct { unsigned x1:8; unsigned [int x; [main()</pre>	x2:16; unsigned x3:8 } bits; ]
<pre>[{   [ bits ioword;   [ x = ioword.x2;   [}</pre>	]
Solution Fix will be included in: rc 2.0 Description:	] SMR Number: [1725 ]
The code generator routine mov did not re routines do the store into the destinati bad machop. The extra store has been el	on, and did another store with a iminated.
SMR Number: [1726 ] Keyword: [open mode specifier ] Status: closed Target Release: rf2.0 [The new fortran open mode specifier doesn [call f_openx instead of f_open. f_open [compatibility with f77 and code compiled	n't work. The compiler needs to ] is left in the library for 1
Solution Fix will be included in: rf v2.0 Description: In rf, the call to f_open has been change new mode specified. The entry point f_op	SMR Number: [1726 ]
SMR Number: [1727 ] Keyword: [hpd ] Status: closed Target Release: ros3.41 [When you issue the command 'whatis hpd', [about the 'hpd' command as expected. We [though. 'whatis hpd' should produce very Solution Fix will be included in: ros3.4.u2 Description:	it gives you information ] don't spoort this command.
Changed message to say that we don't supp	port the 'hpd' command.
<pre>SMR Number: [1728 ] Status: closed Target Release: [On page 23 of the csh section in the Prog [that it's possible to put a '#' as the fi [so that it can be run from a Bourne sh as ['/bin/csh script'. It doesn't work. Solution</pre>	rst character of a csh script
Fix will be included in: Description: Closed by smr 1047 (duplicate).	
SMR Number: [1729 ] Program: [rc ] Status: open Target Release: [The following example should give 3 as th [main() [{ [ integer i; [ i = 8; [ i /= 2.5;	ROS Version: [3.3u3 ] Version: [1.8d ] Last Reviewed: 07/28/1986 re result, but instead gives 4: ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ]
<pre>[ printf("i = %d\n", i);</pre>	1

[} ]	[for flock to say that on successful completion, something other than $[0 \text{ or } -1 \text{ will be returned.}]$
SMR Number:       [1730]       ROS Version: [none]         Keyword:       [new program]         Status:       closed       Target Release: ros3.4u2       Last Reviewed: 07/28/1986         ['talk' needs to be added to the system to distribute with ROS3.4.u2.]       Solution       SMR Number: [1730]         Fix will be included in: ros3.4.u2       SMR Number:       [1730]         Pescription:       Added the source for 'talk' to /usr/src/cmd/talk on 'hood'.	SMR Number:       [1737]       ROS Version:       [3.3u3]         Status:       closed       Target Release:       ros3.4.u2       Last Reviewed:       08/18/1986         [There's a man page for setworigin, but the program itself wasn't       [included in the release (3.3 or 3.4).       Solution       SMR Number:       [1737         Fix will be included in:       ros3.4.u2       Description:       Setworigin should be linked to /usr/bin/setwsize.       This was not happening
SMR Number:       [1732]       ROS Version:       [3.4]         Program:       [dbx]       Version:       [5.2]         Keyword:       [print doubles]       J         Status:       open       Target Release:       Last Reviewed:       07/28/1986         [       real*8 var       ]       ]         [       var=1.23456789012       ]       ]         [       print *, var       ]       ]	Changed /usr/src/sys/display/windows/makefile to do the link.         SMR Number:       [1738]         Ros Version:       [3.4u1]         Keyword:       [nbpar]         Status:       closed         Target Release:       rf2.0         Last Reviewed:       08/18/1986         [Add code for the nbpar function for FORTRAN.       This also requires changes         [to the C and Pascal front ends.       [10]
[dbx 'print var' returns 1.23457       ]         [print statement returns 1.2345678901200       ]         [All possible significant digits should be displayed by dbx.       ]         SMR Number:       [1733 ]         ROS Version:       [3.4 ]         Program:       [dbx ]	Solution SMR Number: [1738 Fix will be included in: rf2.0 Description: The code (from Bull) to make the nbpar function work has been added to th compilers.
<pre>Keyword: [do-loop variables ] Status: closed Target Release: rf2.0 Last Reviewed: 08/11/1986 [Do loop variables are turned into register variables by the rf compiler.] [This results in the user being unable to print, index into arrays with, ] [or test the actual do-loop variable. ] Solution SMR Number: [1733 ] Fix will be included in: rf2.0 Description: The rf compiler now does not create an alternate location for a do loop variable if the -g flag is specified and optimization has not been requested. This allows dbx to find the correct location of the do loop</pre>	SMR Number:       [1739]       ROS Version:       [3.4]       ]         Status:       closed       Target Release:       Last Reviewed:       08/19/1986         [This command:       [       echo hello   tr "[a-z] [A-2]"       [should produce 'HELLO', but tr doesn't recognize the range.         Solution       SMR Number:       [1739         Fix will be included in:       Description:       Actually, this was a problem with the documentation. An example         like this was given:       tr "[a-z] [A-2]", but the syntax really needs       to be: "[a-z]" "[A-2]". The tr(1) man page should be fixed.
<pre>variable, and print out the correct value. SMR Number: [1734 ] ROS Version: [3.4 ] Program: [dbx ] Version: [5.2 ] Keyword: [parameters ] Status: open Target Release: Last Reviewed: 07/28/1986 [A program expecting "aaa!bbb!ccc" as a parameter (i.e. mail) can't ] [be easily debugged with dbx. ] [ex: ] [ dbx mail ] [ &gt;run rclex!walt ] [dbx will only pass the rclex to mail. ]</pre>	<pre>SMR Number: [1740 ] ROS Version: [3.4ul ] Keyword: [optimizer bug ] Status: closed Target Release: rc2.0 Last Reviewed: 08/25/1986 [The optimizer pulls an incorrect base address out of a loop. Example: [char str[10]; [p() { [ int 1, ]; [ i = 3; ] = 0; [ i += 2; [ while (j &lt; 8) { [ str[1] = 'b'; ]</pre>
SMR Number:       [1735]       ROS Version:       [3.4u1]       ]         Keyword:       [output file name]       ]         Status:       closed       Target Release:       3.4.u2       Last Reviewed:       08/11/1986         [as -0 123456.o file.s	<pre>[ j++; i++; [ ] [] [[Bug filed for rc, but is also in rp and and rf]. [] [[Bug filed for rc, but is also in rp and and rf]. Solution SMR Number: [1740 Fix will be included in: rc2.0 Description: The procedure findinitial in indepopt.p finds the initial value of a variable. The value does not get invalidated if an operation is found which would modify the initial value. I have added code to invalidate the initial value when a modification of that value is found. </pre>
SMR Number: [1736 ] ROS Version: [3.3u5 ] Keyword: [lockf ] Status: open Target Release: ros3.5 Last Reviewed: 08/11/1986 [The value returned upon successful completion (for fcntl) is vague, ] [and since lockf is done by fcntl, the same holds true for it. Either ] [fix fcntl to return something meaningful, or change the documentation ]	SMR Number:       [1741]       ROS Version:       [3.4u2]         Keyword:       [sulog]       ]         Status:       closed       Target Release:       Last Reviewed:       08/25/1986         [With the distribution of the backup scripts in /usr/adm/examples. the       [directory /usr/adm is created. This causes 'su' to create a file         [named 'sulog' which keeps a log of each time someone uses 'su'. THis       [file is ever-increasing in length and could be annoying.

Version: (v2.0 [The scripts should not be distributed in this directory (perhaps Program; [rf ] (they should be moved to somewhere in /usr/man) which would cause Keyword: [rf library search ] [the /usr/adm directory not to be made. Status: closed Target Release: rf2.1 Last Reviewed: 09/02/1986 1 [The f77 compiler, though not recognizing libraries of the form 'SIMLIB', ] Solution SMR Number: [1741 1 Fix will be included in: passes the names on to 'ld', which then searches them as libraries. [The 'rf' driver program spits out an error message and does not pass Description: No action will be taken. A note will be put into the SRD. [the names on to 'ld'. SMR Number: [1747 Solution SMR Number: [1742 ] ROS Version: [3.4u1 Fix will be included in: rf2.1 1 Keyword: [extended address ] Description: Status: closed Target Release: ros3.4.u2 Last Reviewed: 08/25/1986 rc, rf and rp will now pass unknown names to the 'ld'. This is the way both Sys V and UCB cc and f77 commands work. [The current 1/2" tapedriver does not work with the extended address [tape board. SMR Number: [1742 SMR Number: [1748 ] ROS Version: [all Solution Fix will be included in: ros3.4.u2 Version: [1.1 Program: [whet ]. Keyword: [systest 1 Description: I changed the driver so on each write, it calculates a full 32 bit DMA Status: closed Target Release: ros3.5 Last Reviewed: 09/02/1986 [The whetstone benchmark has been added to the systest directory for address and byte count (i.e., it does not use DMAaddrMask or ByteCount Mask as in previous versions). On each read, it uses old masks for [more system testing. DMA address and byte count. In this way, the driver now works with SMR Number: [1748 Solution the new board but does not take advantage of the new functionality Fix will be included in: ros3.5 that the hardware offers. Description: \_\_\_\_\_ added whetstone.f to hood:/usr/src/sys/diag/sys/src. SMR Number: [1743 ] ROS Version: [all 1 Keyword: [WC ] SMR Number: [1749 1 ROS Version: [all , Target Release: Status: open Last Reviewed: 08/25/1986 Program: [dwhet ] Keyword: [systest Version: [1.1 1 (For very large files (  $\geq$  10Mb), we output does not have spaces [between words and characters. Status: closed Target Release: ros3.5 Last Reviewed: 09/02/1986 [Added dwhetstone to systest directory for additional system testing. \_\_\_\_\_ SMR Number: [1744 ] ROS Version: [3.4ul ] Solution SMR Number: (1749 [entry / common Fix will be included in: ros3.5 Keyword: 1. Status: closed Target Release: rf2.0 Last Reviewed: 08/25/1986 Description: [the following code causes the fortran compiler to complain. it shouldn't. ] added dwhetstone, f to hood:/usr/src/sys/diag/test/sys/src. subroutine sub **ROS Version:** [all integer a0(n) SMR Number: [1750 1 Version: [1.1 common / xxx / n Program: [runtime ] ] [C Keyword: (systest entry cindi(a0) Status: closed Target Release: ros3.5 Last Reviewed: 09/02/1986 return [Subroutine needed for compiling whetstone.f and dwhetstone.f . SMR Number: (1750 end Solution Solution SMR Number: [1744 Fix will be included in: ros3.5 Fix will be included in: rf2.0 Description: added runtime.o subroutine to hood:/usr/src/sys/diag/test/sys/src. Description: \_\_\_\_\_ The fix from GreenHills is in forpro.p/fixbound. The following change was made. if bound^.objcase = variable then gets changed to if (bound^.objcase = variable) and (bound^.paramid = nil) then SMR Number: [1745 ] ROS Version: [3.4u] 1 Keyword: [-m option 1 Target Release: Last Reviewed: 08/25/1986 Status: open [The -m (mapping) option of tset doesn't seem to work. \_\_\_\_\_ SMR Number: [1746 ] ROS Version: [3.4u2 ] Keyword: [volmgr-RemoveFreeBlk] Status: open Target Release: Last Reviewed: 09/02/1986 [Volmgr-RemoveFreeBlock error , ChunkLen <> TempLength [Flip Load enable to continue.. [Error occurs when system automatically switches file allocation algorithms ] fat 60% full disc or avg. chunk length of 128k. Switch involves changing (from linear search to maintaining a linked FreeList at this point. When char with a reasonable length is used for the rewrite call. [system crosses this boundary multiple times, the FreeList becomes \_\_\_\_\_\_ ROS Version: [3.4u2 (inaccurate, occasionally producing the above error message. SMR Number: [1752 ] Keyword: [new programs ] SMR Number: [1747 ] ROS Version: [3.4u2 1 Status: closed Target Release: ros3.5

SMR Number: [1751 ]	ROS Version: [3.4u2 ]	
Program: [as ]	Version: [1.3 ]	
Keyword: [bad list file ]		
Status: open Target Release:	Last Reviewed: 09/02/1986	
[as -1 file.1 file.s	]	
[produces list file named 'fi'.	]	
Solution	SMR Number: [1751 ]	
Fix will be included in:		
Description:		
The list file was of a type 'string',		

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1

1

1

1

1

1

1

1

to a packed array of char field. The packed array of char is dynamically allocated. This packed array of char is declared with a length of [1..1] for convience (this is the historical Ridge string type in Pascal). When rewrite is called with this packed array of char, the compiler passes along the length of the packed array, which it determines to be 1 (from [1..1]). The rewrite routine uses this length, plus 1 for a null, when opening the file. So, the file was truncated to 2 chars. Now a temp packed array of

1 Last Reviewed: 09/02/1986

[Added /etc/shutdown and /etc/halt for ROS 3.5. Solution SMR Number: [1752 Fix will be included in: ros3.5 Description: Added source files for /etc/shutdown and /etc/halt. They live in hood:/usr/src/cmd/shutdown. SMR Number: [1753 ] ROS Version: [3.4u2 1 Status: open Target Release: Keyword: [modem support 1 Last Reviewed: 09/12/1986 [The fact that modems cannot be used as both in-coming and outgoing needs ] [to be documented and explained. 1 SMR Number: [1754 ] ROS Version: [3.4u2 Keyword: [tvi925 missing 1 Status: open Target Release: Last Reviewed: 09/12/1986 [On pinecrest after login the terminal prompts with a default term type 1 [and if needed expects the new term type to be entered. If tvi925 is [entered the response is terminal type unknown. 1 SMR Number: [1755 ] ROS Version: [3.4u2 1 Keyword: [pipes w/ large bufs ] Status: open Target Release: Last Reviewed: 09/12/1986 [The following command produces corrupt cpio archives: [find "something" -print/cpio -ovB/dd bs=5120 of=file [Reading "file" back with the following command gets "Out of Phase" [dd if=file bs=5120|cpio -itvB ["something" should be > than n\*5120 (n >= 2 ?). During the initial file [write, dd indicates that more than 1 partial records are created. [The above commands have ben verified to work on pure Sys V systems. [This limits the functionality of remote backups, i.e. [find . -print|cpio -ovB|rsh remote dd bs=5120 of=/dev/rmt0 [produces corrupt backup tapes. 512 bytes is too SMR Number: [1756 ] ROS Version: [3.4u2 1 Keyword: [driver hangs 1 Status: closed Target Release: ros3.4.u3 Last Reviewed: 12/15/1986 [When I issue the command 'mt -f /dev/rmt1 weof' the whole system [hangs. Pushing switch 0 displayed some output that looked like [the tapedriver had hung. The system was alright after reboot. [Note: using '/dev/rmt0' instead of '/dev/rmt1' works fine! Solution SMR Number: [1756 Fix will be included in: ros3.4.u3 Description: Fixed bug in /usr/src/sys/drivers/tapedriver/tapedriver.c and /usr/src/cmd/mt/mt.c. \_\_\_\_\_ SMR Number: [1757 ] ROS Version: [3.4 1 Keyword: [tapedrive ] Status: closed Target Release: ros3.4.u3 Last Reviewed: 12/15/1986 [When trying to do a 'weof'/'eof' command to the 1/2" raw tape device, [the 'mt' complains that it is an 'inappropriate command'. Also, the 1 [word 'inappropriate' is mispelled in the error message that is displayed. ] Solution SMR Number: [1757 1 Fix will be included in: ros3.4.u3 Description: Fixed bug in /usr/src/cmd/mt/mt.c SMR Number: [1758 ROS Version: [all 1 ) Program: [rf ] Version: [2.0 ] [non-ascii chars ] Kevword: Status: closed Target Release: rf2.1 Last Reviewed: 09/12/1986 (from Nissho Electronics) [Non-ascii characters are not allowed in character strings. F77 does allow ] [non-ascii characters in character strings. Solution SMR Number: [1758

Fix will be included in: rf2.1 Description: Rf now allows non-ascii characters within character strings. SMR Number: [1759 ] ROS Version: [all 1 Program: [rc ] Version: [2.0 1 Keyword: [commas in arrays ] Status: open Target Release: Last Reviewed: 09/12/1986 [Commas in array initializations are optional according to rc, but [shouldn't really be.... lint complains. SMR Number: [1760 ] ROS Version: [3.3 Keyword: [gin mode 1 Status: open Target Release: Last Reviewed: 09/12/1986 [In order to fully emulate a TEK terminal, it should be possible to have ] [the 'gin mode' readout of cursor position append a return (or line feed) ] [to the five character string. This would permit an easy fortran read 1 [of the five characters without changing sty, etc. It could be invoked [as on option of settek or an escape sequence. SMR Number: [1761 ] Keyword: [alignment ROS Version: [all 1 ] Status: closed Target Release: ros3.5 Last Reviewed: 09/12/1986 [When 'as' sees an align directive in the code section, it currently [generates illegal instructions to pad to the alignment boundry. It should ] [generate nop-type instructions instead. Solution SMR Number: [1761 ] Fix will be included in: Description: 'as' now pads with 'move r15, r15' instructions while padding to the requested alignment. The 'nop' instruction was not used because it is commonly used by some people to trigger logical analyzer traces (or some such thing). SMR Number: [1762 ] ROS Version: [all 1 Program: [tapedriver ] Version: [all 1 Keyword: [file marks 1 Status: closed Target Release: ros3.5 Last Reviewed: 12/01/1986 [In a C program, read a tape, block by block and stop after reading the [last block of the file. Then have the program skip forward one file [mark, you are now positioned at the beginning of the third file of [the tape instead of the second. [This has to be done from a program. Simulating with 'dd' does not [reproduce the problem. Solution SMR Number: [1762 Fix will be included in: ros3.5 Description: Added necessary code to /usr/src/sys/drivers/tapedriver/tapedriver.c so that file mark processing would be correct in this instance. SMR Number: [1763 ] ROS Version: [3.4 1 Program: [config ] Version: [u2 1 Keyword: [download 1 Status: closed Target Release: ros3.5 Last Reviewed: 10/07/1986 [The proms on an enet only board are not compatable with the downloaded [file from ridge. The error generated is seen when using ciodiag and trying ] [to test enet from shared memory. The download is not needed so the easy [fix is to remove the download line for enet boards from the config file. Solution SMR Number: [1763 Fix will be included in: ros3.5 Description: Removed line in /usr/src/etc/config which caused download for enet only boards. SMR Number: [1764 ] ROS Version: [3.4u2 ] Status: open Target Release: Last Reviewed: 09/22/1986

[From your local system (L) rlogin to a remote system (R1) which has its ] [pseudo ttys controlled by the ciotty driver rather than the fdlp driver. ] [From there (R1), telnet to another remote system (R2). Telnet prints the ] [/etc/issue file, and a login prompt, and that is all you ever see on your ] [terminal again. If the middle system (R1) has an fdlp controlling its ] [pseudo ttys, then this works fine. ] [Note: typing at your terminal results in the rlogind on R1 accumulating ] [run time, but the telnet process also on R1 does not accumulate run time.]	SMR Number: Program: [rj Keyword: Status: clo [An upleve [wrong add [program p [var c: cb
SMR Number:[1765]ROS Version:[none]Program:[libU77.a]Version:[1.31]Status:closedTarget Release:rf2.1Last Reviewed:[libU77.a was built with the wrong "CFLAGS" definition for the v2.0 compiler][release."CFLAGS" for libU77 should match "CFLAGS" for lib177.]SolutionSMR Number:[1765]Fix will be included in:Description:In libU77.mk, "CFLAGS" has been changed to match "CFLAGS" in lib177.mk.	[ procedu [ procedu [ begin r [begin [ c := ') [end. Solution Fix will be Description: The extra
SMR Number:       [1766]       ROS Version:       [3.3]         Keyword:       [setvbuf()]       ]         Status:       open       Target Release:       Last Reviewed:       10/07/1986         [The setvbuf()       function of stdio doesn't work.       In particular, the by-line ]         [buffering mode cannot be turned on.       The bug is in the code distributed ]         [by AT&T in System V release 2.       It has been fixed in release 3.       ]	compiler a registe fixmachog from an u register offset ir
SMR Number:       [1767]       ROS Version:       [3.4u2]         Keyword:       [sendmail.cf]       ]         Status:       open       Target Release:       Last Reviewed:       10/07/1986         [Local mail will not work on a freshly formatted system because the       ]       [installation procedure puts the sendmail program in the /usr/lib       ]         [directory.       The user must either fully install sendmail or move the       ]         [sendmail program to down to the /usr/lib/sendmail.info directory.       ]         Solution:       [The lack of a sendmail.cf file is causing the problem.       ]	SMR Number: Status: clc [Ifet need Solution Fix will be Description: Changed in model in
SMR Number:       [1768]       ROS Version:       [none]         Program:       [rf]       Version:       [2.0]         Keyword:       [destruction]       ]         Status:       closed       Target Release:       rf2.1         Last Reviewed:       10/07/1986         [rf may destroy the source file when given the -L, -H or -n option.]         Solution       SMR Number:       [1768]         Fix will be included in:       rf2.1         Description:       When the -L, -H or -n options are seen, getfname did not do the necessary rchar(c) to move past the current character.	SMR Number: Status: clo [Realdiag Solution Fix will be Description: Modified drealasm. which ind contains passed to
SMR Number: [1769 ] ROS Version: [3.4 ] Program: [tar ] Version: [1.28 ] Status: open Target Release: Last Reviewed: 10/07/1986 [On one system without any kind of tape device configured, tar behaves ] [strangely. Given the command 'tar cvf outfile file1 file2', tar replies, ] ['/dev/nct0: No such file or directory'. On the other system the customer ] [bas, this, command works, fine (and the customer to every measure the system of the system	SMR Number: Program: [xs Keyword: Status: clo [This prog [system.
<pre>[has, this command works fine (and I cannot reproduce the error message ] [here). The system that it doesn't work on has a very full disk and has ] [a lot of oddities that cannot be explained so far. The particular system ] [has no /dev/rtape defined, and in fact, nothing in /dev that concerns ] [tapes. The customer makes the tar file on this system and then uses the ] [tape drive on the other system. ]</pre>	SMR Number: Program: [rc Status: clo [When runn [standard
SMR Number:       [1770]       ROS Version:       [3.4]       ]         Status:       open       Target Release:       Last Reviewed:       10/07/1986         [Our mknod(1) man page wasn't updated when we mknod became capable       ]       [of making fifo's.       Fifo's are documented in the SysV mknod(1) man       ]         [page, so we just need to pull it from there.       May need to check       ]         [mkndo(2) as well.       ]	[(That's t Solution Fix will be Description: In proced an assemb

<pre>tatus: closed Targ [An uplevel reference [wrong address on the [program p; [var c: char; [ procedure p1(c1: ch [ procedure p2; beg [ begin p2; end; [begin [ c := 'X'; p1('a');</pre>	] eference ] pet Release: rp2.1 to a character param stack from 2 or more mar);	nesting levels down.	d/store to the
[end. olution ix will be included in: escription:	v2.1	SMR Number	] r: [1771 ]
The extra 3 byte offs compiler can't recogn a register other than fixmachops to recogni from an uplevel proce register in a load/st offset in.	ize this as a paramet r14/r15 as the base ze when a nested proc dure, and when this p	ter reference, due to register. Code has cedure loads a stack register is used as a	b the use of been added to frame pointer a base
MR Number: [1772 tatus: closed Targ [Ifet needs to be modi olution ix will be included in: escription: Changed release date model in feature bits	et Release: ros3.5 fied to run on all R: ROS 3.5 and way in which IFET	ldge models. SMR Number	: [1772 ]
MR Number: [1773 tatus: closed Targ [Realdiag needs to run olution ix will be included in: scription:	et Release: ros3.5 on all Ridge models,	COS Version: [3.4u2 Last Reviewed: (hardware independe SMR Number	ent).
Modified Realdiag to a drealasm.s. Converted which include all test contains all assembly passed to stderr.	everything into "C". t cases used by reald	Wrote new files "te liag, and "realasm.s"	st_case.",
4R Number: [1774 rogram: [xsys eyword: [test atus: closed Targo [This program will prin [system.	] V ] et Release: ros3.5	OS Version: [3.5A Version: [1.1 Last Reviewed: ineID, and size of m	] ] 10/20/1986 meory of ] ]
AR Number: [1779 rogram: [rc atus: closed Targe [When running only the [standard out, but at t [That's the -E option] plution	] v at Release: rc2.1 C preprocessor, the the end a bunch of ga	OS Version: [3.4 ersion: [2.0 Last Reviewed: results come out fin rbage is also spit o SMR Number	eto] ut.]
x will be included in: scription: In procedure lcomm_cle an assembly file. Thi	eanup, don't call com	file pointer to be d	ereferenced.

SMR Number: [1781 ROS Version: [3.4u2 Version: [2.0 Program: [rf ] [secnds function ] Keyword: Status: open Target Release: Last Reviewed: 10/20/1986 [The secnds function as documented on page 27 of the Sept 9 edition of [the "Fortran Compiler Enhancements" document is missing from the libraries.] Solution SMR Number: [1781 ] Fix will be included in: rf2.1 Description: secnds.f has been added to libU77.a \_\_\_\_\_ SMR Number: [1782 ] ROS Version: [3.4u2 1 [telnet Keyword: Status: closed Target Release: Last Reviewed: 10/27/1986 [Logging in on a pc emulator terminal and then trying to use telnet doesn't ] [work; it just hangs at the login prompt. This also happens when already ] [telnet'ed to one system and attempting to telnet to another system. 1 Solution SMR Number: [1782 1 Fix will be included in: Description: Found out this is actually a duplicate of 1764. SMR Number: [1783 ] ROS Version: [3.4u2 1 Keyword: [stty echoi 1 Status: open Target Release: Last Reviewed: 10/27/1986 [When using telnet or rlogin from a cio-based machine, stty echoi ſ is set, and backspace in vi does not work. \_\_\_\_ SMR Number: [1784 ] ROS Version: [3.4u2 1 [query screen color ] Keyword: Status: open Target Release: Last Reviewed: 10/27/1986 [Customer would like the ability to query the display driver to determine ] [which color (white chars on black or inverse) programatically. ſ This capability should also be provided by the invert program. \_\_\_\_\_ SMR Number: [1785 ] ROS Version: [none 1 Program: [rc ] Version: [2.0 Keyword: [signed chars ) Status: closed Target Release: rc2.1 Last Reviewed: 10/27/1986 [In the following example, the 32 bit int 'i' gets signed extended as a byte] found tity for the comparision with 0. The expression should be evaluated as [an int expression. This must be compiled with signed chars as default. [main() H char c; ſ int i = 1000; c = (i > 0);I if (c) [ printf("pass\n"); else printf("fail\n"); - [ } Solution SMR Number: [1785 Fix will be included in: rc2.1 Description: The variable 'c', although being a char, was a register variable (32 bits). The compiler optimized the evaluation of the expression by evaluating directly into the result register. The code generator tried to make all data going into this register conform to the 'signed 8 bit quantity in a 32 bit register' description of 'c', so it did a 'seb' on 'i'. \_\_\_\_\_ SMR Number: [1788 ] ROS Version: [3.4 ] Status: open Target Release: Last Reviewed: 11/03/1986 [When a user name 8 characters or greater is logged in from a remote system,] [the user command garbles the name, such as this: Description: {% who

[ beth tty0 [ kochanek ttyp1 (crater) [% users [ beth kochaneka@crater [A character is appended before the @ sign. \_\_\_\_\_ ROS Version: [3.4 SMR Number: [1789 ] Status: closed Target Release: ros3.5 Last Reviewed: 11/03/1986 [On occasion a mail message comes over ethernet partway, and then a line [is repeated until the system crashes with disk i/o error because the (df\* file associated with the bad mail has expanded to fill the disk. [(System running ROS 3.4.ul and enet 1.5) SMR Number: [1789 Solution Fix will be included in: Description: Modified code to read incoming message such that it will terminate reading of the message when it gets an error. It used to check for only feof(), but now it checks for ferror() as well on the file descriptor for the incoming message. <collect.c> \_\_\_\_\_ ROS Version: [3.4u2 SMR Number: [1791 1 1 Version: [2.0A Program: [rf 1 Status: closed Target Release: rf2.1 Last Reviewed: 11/03/1986 [Run this test and you will see no data in the resulting output file: integer\*4 ret character\*1 data data='A' open(10,file='output',status='new') do 100 i=1,10 ret=fputc(10,data) [100 continue close(10) end SMR Number: [1791 Solution Fix will be included in: rf2.1 Description: LibU77.a has been completly rebuild, solving this problem. ROS Version: [3.4u2 1 SMR Number: [1792 ] ] Version: [2.0A ] Target Release: Last Reviewed: 11/03/1986 Program: [rf Status: open [The following example generates an I/O error when trying to write a [floppy disc file: open(10,file='/dev/fl/file',status='new') write(10,'("test of floppy write")') close(10) end \_\_\_\_\_ \_\_\_\_\_ ROS Version: [all SMR Number: [1794 1 1 Version: [2.0 Program: [rc,rf,rp ] 1 Keyword: [new program ] Status: closed Target Release: rc,rf,rp2.1 Last Reviewed: 11/03/1986 [Need to add /usr/lib/peep to suite of programs shipped with the compilers. ] SMR Number: [1794 ] Solution Fix will be included in: rc,rf,rp2.1 Description: Added the new peephole optimizer to the /usr/src/cmd/rtc area. SMR Number: [1795 ] ROS Version: [3.3 ] Status: closed Target Release: emacs1.1 Last Reviewed: 12/15/1986 [Emacs goes into debug with divide by zero at 19.2. SMR Number: [1795 Solution Fix will be included in: emacs1.1

Now the code ignores the SIGINTDIVZERO signal and it doesn't go into debug

anymore. With ROS 3.4, the handling of this signal changed from being ignored by default to putting the process into debug. Changed /usr/src/cmd/emacs/src/e init.c.

SMR Number:[1796]ROS Version:[3.3]Status:openTarget Release:Last Reviewed:11/03/1986 [Sometimes when telneting to a vms system and then ftp'ing back to the ridge] [the network server prints out a message about garbled packets. It works ] [on other systems (to telnet to vms and then ftp back to itself), and [sometimes works correctly on the ridge, but not always. \_\_\_\_\_ 
 SMR Number:
 [1798]
 ROS Version:
 [all]
 ]

 Status:
 open
 Target Release:
 Last Reviewed:
 11/03/1986
 [Customer would like either a command line option to turn verbose mode off, or change the default to be off, since there exists an option fto turn it on. \_\_\_\_\_ SMR Number: (1799 ) ROS Version: [all 1 Program: [rc,rf,rp ] Version: [2.0 1 Keyword: [optimizations, bugfix] Status: closed Target Release: rc,rf,rp2.1 Last Reviewed: 11/03/1986 [Add misc optimizations and bug fixes collected over the last couple of weeks. SMR Number: [1799 Solution 1 Fix will be included in: rc,rf,rp 2.1 Description: Done. -----SMR Number: [1800 ] ROS Version: [3.4] Last Reviewed: 11/03/1986 Status: open Target Release: [Customer would like to be able to restart crashed device drivers (in 1 [particular, the tapedriver) without having to reboot. 1 
 SMR Number:
 [1801]
 ROS Version:
 [3.5A

 Program:
 [mail]
 Version:
 [?]
 ]
 1 Program: [mail ] Keyword: [names 1 Keyword: [names Status: open Target Release: Last Reviewed: 11/03/1986 [When a mail message is replied to, the new destination user names are [set to the real-life name of the original sender. [eg: mail 2 r <now the preformatted reply names contain the real-life name of sender> 1 SMR Number: [1802 ] ROS Version: [none 1 [compiler error ] Keyword: Status: closed Target Release: rc2.1 Last Reviewed: 11/10/1986 [rc gets a compiler error when compiling the following code: [char rt(xp)] [short \*xp; [[ { char buf[5]; \*xp=\* (short\*) (buf +1); ſ [] SMR Number: [1802 Solution Fix will be included in: rc2.1 Description: The compiler was calling extv with a dotmode machop as the destination.

Extv generated a load into this destination, which caused the compiler error (compiler expected a register as the destination for the load). This fix was in codegen.p/movemm/mov.

A secondary problem (when the above one was fixed) was the compiler was generating a load from "r15,-5", which would cause a data alignment violation.

This was fixed in fixups.p/fixload.

SMR Number: [1803 ] ROS Version: [all Keyword: [examine page error ] Status: open Target Release: Last Reviewed: 11/10/1986 [VMM: Cannot examine in-use page, error = messages appear sporadically [on all types of Ridges, running all versions of ROS. The error number [returned is either 15 (ErBadFile) or 16 (ErNoPage). The system then [says "Flip load enable....". In some cases, it is possible to continue [by doing this. In most cases, it won't. SMR Number: [1805 ] ROS Version: [none 1 Keyword: [nint ] Status: closed Target Release: rf2.1 Last Reviewed: 11/10/1986 [Create single precision versions of the fortran nint intrinic functions. Solution SMR Number: [1805 Fix will be included in: rf2.1 Description: Rf now uses the single precision nint functions whenever possible. Also, s modf, s floor and s ceil single precision functions were added to libm.a. SMR Number: [1806 ] ROS Version: [3.4u2 1 rrogram: [xsys.h ] Keyword: [systest Version: [1.0 1 1 Status: Target Release: Last Reviewed: [General routines for getting system information about system configuration ] [(i.e. type of cpu , memsize, and machine id). ] SMR Number: [1807 ] ROS Version: [all ] Status: closed Target Release: Last Reviewed: 11/10/1986 [The -n option of echo, which is supposed to omits trailing newline [character, doesn't work with Bourne shell. The '-n' is echoed. Solution SMR Number: [1807 Fix will be included in: Description: Not a problem. \_\_\_\_\_ SMR Number: [1809 ] ROS Version: [none 1 Keyword: [complex assignment ] Status: closed Target Release: rf2.1 Last Reviewed: 11/10/1986 [User has test program that shows failure of an assignment of an element of ] [a three dimensional double complex array to a six dimensional double ] [complex array. Test in in muir:/usr/tst/f/reed/SMR.1809. Solution SMR Number: [1809 Fix will be included in: rf2.1 Description: Change peep.p/reduce to look for machop mode = dotmode, with bitoffset=0 and byteoffset=0. Reduce to the basevar. SMR Number: [1810 1 ROS Version: [none 1 Program: [rf ] Version: [2.0 1 Keyword: [initializers ] Status: open Target Release: Last Reviewed: 11/17/1986 [problems with fortran octal and binary initializers. examples: character cl.c2 1 data c1/o'141'/ ſ data c2/b'01000001'/ end [c compiles but prints incorrect values character\*1 (2) data c / o'141', o'142' / print\*.c end

 SMR Number:
 [1811]
 ROS Version:
 [3.4]
 ]

 Status:
 open
 Target Release:
 Last Reviewed:
 11/17/1986

 [If there are a large number of routes defined, netstat -r will not
 ]

<pre>[times uptime, ruptime, time(2), etc) reports times approximately [4000 times too small when running a Bourne shell. Times seem to [be reported correctly for cahell</pre>	[display all of them, and route -f will n	ot flush all of them.
SMR Number:       [1813]       Ros Version:       [3.3]         Status:       open       Target Release:       Last Reviewed: 11/17/1996         [I haven't quite had a chance to verify this yet, but a customer claims       ]         [that when you're connected with kermit, if your finger slips and hits       ]         [that when you're connected with kermit, if your finger slips and hits       ]         [the del key, that something happens to the system which requires a       [reboot.         SMR Number:       [1814]       ROS Version: [3.4]       ]         Status:       open       Target Release:       Last Reviewed: 11/17/1996         [khen an ftp user logs in, the information is recorded in /etc/wtmp,       ]       But if you do a 'last ftp' it reports that the last ftp user is         [still logged in, even if that person had already ended the ftp session.       ]         SNR Number:       [1815]       ROS Version: [3.4]       ]         Status:       open Target Release:       Last Reviewed: 11/17/1996         [The existence of an /etc/nologin file does not keep ftp users from       [logging in. It does work for rlogin and telnet, but not for ftp.         SNR Number:       [1816]       Ros Version: [all       ]         [The customer wondered if this was cause for concern.       Solution       SMR Number: [1816]         [Status: </td <td>SMR Number: [1812 ] Status: open Target Release: [On a system that has been up for 50-60 d [times (uptime, ruptime, time(2), etc) re [4000 times too small when running a Bour [be reported correctly for cshell.</td> <td>ROS Version: [3.3] Last Reviewed: 11/17/1986 lays, anything that reports ] ports times approximately ] rne shell. Times seem to ]</td>	SMR Number: [1812 ] Status: open Target Release: [On a system that has been up for 50-60 d [times (uptime, ruptime, time(2), etc) re [4000 times too small when running a Bour [be reported correctly for cshell.	ROS Version: [3.3] Last Reviewed: 11/17/1986 lays, anything that reports ] ports times approximately ] rne shell. Times seem to ]
SMR Number:       [1814]       Ros Version:       [3.4]         Status:       open       Target Release:       Last Reviewed:       11/17/1986         [When an ftp user logs in, the information is recorded in /etc/wtmp,       [but if you do a 'last ftp' it reports that the last ftp user is       [still logged in, even if that person had already ended the ftp session.         SMR Number:       [1815]       ROS Version:       [3.4]       ]         Status:       open       Target Release:       Last Reviewed:       11/17/1986         [The existence of an /etc/nologin file does not keep ftp users from       [logging in. It does work for rlogin and telnet, but not for ftp.         Status:       closed       Target Release: enet1.6       Last Reviewed:       11/17/1986         [The customer wondered if this was cause for concern.       [Solution       SMR Number:       [1816]         Status:       closed tror message; changed buffer allocation scheme to take command       11ne parameters for number of mbufs and number of big bufs to allocate;       1216         Solution       SMR Num Solutifer allocation on that. As in earlier       releases, if ns runs out of mbufs or big bufs it will panic, and try to go into debug.             Solution       ROS Version:       [3.402]       [Seword:       [second tapedriver]       ]         Status: <td><pre>SMR Number: [1813 ] Status: open Target Release:   [I haven't quite had a chance to verify t   [that when you're connected with kermit,   [the del key, that something happens to t   [reboot.</pre></td> <td>ROS Version: [3.3 ] Last Reviewed: 11/17/1986 this yet, but a customer claims ] if your finger slips and hits ] the system which requires a ]</td>	<pre>SMR Number: [1813 ] Status: open Target Release:   [I haven't quite had a chance to verify t   [that when you're connected with kermit,   [the del key, that something happens to t   [reboot.</pre>	ROS Version: [3.3 ] Last Reviewed: 11/17/1986 this yet, but a customer claims ] if your finger slips and hits ] the system which requires a ]
SMR Number:       [1815]       ROS Version:       [3.4]       ]         Status:       open       Target Release:       Last Reviewed:       1/17/1986         [The existence of an /etc/nologin file does not keep ftp users from       [       ]         [logging in.       It does work for rlogin and telnet, but not for ftp.	SMR Number: [1814] Status: open Target Release: [When an ftp user logs in, the informatic [but if you do a 'last ftp' it reports th [still logged in, even if that person had	ROS Version: [3.4 ] Last Reviewed: 11/17/1986 on is recorded in /etc/wtmp, ] hat the last ftp user is ] i already ended the ftp session. ]
SMR Number:       [1816]       ROS Version:       [all ]         Status:       closed       Target Release:       enet1.6       Last Reviewed:       11/17/1966         [ns periodically prints out an error message on the console:       [       ins:       m_get:       buffer usage over 200         [The customer wondered if this was cause for concern.       SMR Number:       [1816]         Solution       SMR Number:       [1816]         Pix will be included in:       Description:       Deleted error message; changed buffer allocation scheme to take command         Deleted the scheme of allocating up to 3 additional chunks of buffers when we run out. The user can use 'netstat -m' to determine what his buffer utilization is, and base his buffer allocation on that. As in earlier releases, if ns runs out of mbufs or big bufs it will panic, and try to go into debug.              SMR Number:       [1817]       ROS Version:       [3.4u2]         Keyword:       [second tapedriver]       [second tapedriver]       [second tapedriver]         SMR Number:       [1817]       ROS Version:       [3.4u2]       [second tape]         [board causes the system to hang. The not-paused and kernel leds are on.       [second tape]       [board causes the system to hang. The not-paused and kernel leds are on.       [second controller */       [second controller]       [second controller] <t< td=""><td>SMR Number: [1815 ] Status: open Target Release: [The existence of an /etc/nologin file do [logging in. It does work for rlogin and</td><td>ROS Version: [3.4 ] Last Reviewed: 11/17/1986 bes not keep ftp users from ] i telnet, but not for ftp. ]</td></t<>	SMR Number: [1815 ] Status: open Target Release: [The existence of an /etc/nologin file do [logging in. It does work for rlogin and	ROS Version: [3.4 ] Last Reviewed: 11/17/1986 bes not keep ftp users from ] i telnet, but not for ftp. ]
SMR Number:       [1817]       ROS Version:       [3.4u2]         Keyword:       [second tapedriver]         Status:       closed       Target Release:       ros3.4.u3       Last Reviewed:       12/15/1986         [Using mt to rewind the first tape drive connected to the second tape       ]         [board causes the system to hang. The not-paused and kernel leds are on.]       [You can not login to another port. The system must be rebooted.]       [         [ mknod /dev/rtm00 c 9 133       /* make first node for first drive       [         [ mt -f /dev/rmt00 rew       /* try to rewind drive */       ]         Solution       SMR Number:       [1817]         Fix will be included in: ros3.4.u3       Description:       Found and fixed a bug in the tapedriver where it would loop forever if it received a bogus command. It turned out that the 'mt' command was sending the 1/2" driver a command for the cartridge tape. Fixed the bug in /usr/src/sys/drivers/tapedriver/tapedriver.c.         SMR Number:       [1818 ]       ROS Version: [none ]	Status: closed Target Release: enet1. [ns periodically prints out an error mess [ ns: m_get: buffer usage over 200 [The customer wondered if this was cause Solution Fix will be included in: Description: Deleted error message; changed buffer all line parameters for number of mbufs and deleted the scheme of allocating up to 3 we run out. The user can use 'netstat - utilization is, and base his buffer allor releases, if ns runs out of mbufs or big go into debug. <ns.c, syscall.c="" uipc_mbuf.c,=""></ns.c,>	6 Last Reviewed: 11/17/1986 sage on the console: ] for concern. ] for concern. ] SMR Number: [1816 ] clocation scheme to take command number of big bufs to allocate; additional chunks of buffers when m' to determine what his buffer ocation on that. As in earlier g bufs it will panic, and try to cmd/netstat/mbuf.c>
SMR Number: [1818 ] ROS Version: [none ] Program: [rc ] Version: [2.0 ]	<pre>SMR Number: [1817 ] Keyword: [second tapedriver ] Status: closed Target Release: ros3.4 [Using mt to rewind the first tape drive [board causes the system to hang. The not [You can not login to another port. The s [ mknod /dev/rtm00 c 9 133 /* ma [ se [ mt -f /dev/rmt00 rew /* tr Solution Fix will be included in: ros3.4.u3 Description: Found and fixed a bug in the tapedriver it received a bogus command. It turned sending the 1/2" driver a command for th </pre>	ROS Version: [3.4u2 ] 1.u3 Last Reviewed: 12/15/1986 a connected to the second tape ] -paused and kernel leds are on. ] system must be rebooted. ] the first node for first drive ] cond controller */ ] ty to rewind drive */ ] SMR Number: [1817 ] where it would loop forever if out that the 'mt' command was he cartridge tape. Fixed
Status: closed Target Release: rc2.1 Last Reviewed: 11/17/1986	SMR Number: [1818 ] Program: [rc ] Keyword: [data alignment error]	ROS Version: [none } Version: [2.0 ]

[Rc generates a loadd from an odd word address. In this case it can tell at] [compile time that the address is an odd word address and should try to [replace the loadd with two single word loads. Example: [part32() 11 double d1=0.0, d2=0.0, d3=0.0, d4=0.0, d5=0.0; int 1[2]; float f; double d; 1[0] = 1; f = \*(float \*)1; 1[0] = 0; 1[1] = 1; d = \*(double \*)1; {int i; for(i=0; i<10; i++) d1 += d2 += d3 += d4 += d5; } dummy fun(d, &f, d1, d2, d3, d4, d5); 11 Solution SMR Number: [1818 Fix will be included in: rc2.1 Description: In file fixups.p, procedure fixload do the replacement of the double word load from the odd word address with two single word loads. SMR Number: [1819 1 ROS Version: [3.3 Status: open Target Release: Last Reviewed: 11/17/1986 [If a window is named 'shell1' and the command 'settitle ""' is given, [when the window is moved, the old 'shell1' title remains on the [screen. SMR Number: [1820 ROS Version: [all [log file Keyword: 1 Status: open Target Release: Last Reviewed: 11/17/1986 [The sendmail documentation describes an option to log transactions [and errors. Please implement this feature. Analysis: [4.2 BSD does support this, so the original code is in our sources. However] [it is needs a "-DLOG" during the compilation of the sources. We have not [attempted to compile the code. It requires the libc routine syslog(3) (which we seem to release. It also requires the syslog(8) daemon, which we ] [do not release, as well as an entry in either /etc/services or [/etc/protocols. It seems to be able to consume a lot of cpu time and disc ] [space (not necessarily on the local system), for some amount of logging [which may be affected by numerous compile time constants. (Note that even ] [to log on the local host, it opens a socket to 'localhost', so it is going ] [through ns to get to disc!!) \_\_\_\_\_ SMR Number: [1824 1 ROS Version: [3.4 Status: open Target Release: Last Reviewed: 11/17/1986 [The following command generates an I/O error: [ cat /bin/cat | tee tmp | dd bs=512 of=/dev/nct0 [If a text file is substituted for /bin/cat, it works, or if [obs=512 is used instead of bs=512, and finally, this command [(the way it is written above) works for mag tape. SMR Number: [1825 1 ROS Version: [3.4 1 Program: [getty Version: [1.29 1 Status: open Target Release: Last Reviewed: 11/17/1986 [On a headwall with a Wyse 85 terminal, when the terminal is turned [off and on, getty does not correctly recalculate the baud rate and [the terminal hangs. Killing the getty (with -9) corrects the problem. \_\_\_\_\_ SMR Number: [1826 } ROS Version: [3.4 [doprnt Keyword: 1 Status: closed Target Release: ros3.5 Last Reviewed: 11/17/1986 [Speed up output by special casing a few popular formats in doprnt. Solution SMR Number: (1826 Fix will be included in: ROS 3.5 Description: Doprnt now processes %d, %c, %s and text much faster than before. The coding was done by Mike Dolan, I just checked the file in. SMR Number: [1827 1 ROS Version: [3.4 1

1 Version: [3.7 Program: [ftp Target Release: Last Reviewed: 11/17/1986 Status: closed [Customer gets CIOEnet: resetting interface error message. When he gets Ithis, and if the interface is reset between the open of the ftp [connection and the reception of the server greeting message, ftp hangs. (The problem is reasonably reproducable (one every third time). Note [also that the system is receiving far more messages than customer was (told to expect. When performing an rcp, he sees the message every [5-10 seconds. Solution SMR Number: [1827 Fix will be included in: Description: The problem was fixed when the CIO board was put first in the priority chain. It had been second behind the SMD board, but once the switch was made, things started behaving better. SMR Number: [1828 1 ROS Version: [3.4 Program: [ns 1 Version: [1.44 Last Reviewed: 11/17/1986 Status: closed Target Release: [If the CIOEnet: resetting interface error occurs while ftpd is sending [a file, the connection is closed without sending any data. The remote [side assumes that a zero byte file was sent. Because of this, no errors on the remote side of ftp will be reported. The only way to [realize that the ftp failed is to notice that the statistics line was [not regenerated. Solution SMR Number: [1828 Fix will be included in: Description: The problem was fixed when the CIO board was put first in the priority chain. It had been second after the SMD board, but once they were switched things behaved properly. \_\_\_\_\_ SMR Number: [1829 ] ROS Version: [3.4 ] Status: open Target Release: Last Reviewed: 11/24/1986 [The example in /usr/beth/exp/1829 goes into debug with [ received signal SIGSEGV (illegal memory reference) [ illegal memory reference at address 74000800 [ in the data segment - hard memory limit exceeded [when you try to deroff the file. \_\_\_\_\_\_ SMR Number:[1830]ROS Version:[3.4u2]Status:openTarget Release:Last Reviewed:11/24/1986 [Readnews has printed 'no news' for about a month now. SMR Number: [1831 ] ROS Version: [3,4u2 1 Keyword: [common alignment ] Status: closed Target Release: ros3.5 Last Reviewed: 11/24/1986 [Id may allocate the beginning of the common data area on an odd word (boundry. All common data items are supposed to be double word aligned. 1 [In this case, the loader starts the common area in an odd word boundry, (so all common data items end up odd word aligned. Solution SMR Number: [1831 Fix will be included in: ROS 3.5 Description: Ld has been fixed to start the common area on a double word boundry. SMR Number: [1837 ] ROS Version: [3.4 ] Status: open Target Release: Last Reviewed: 12/08/1986 Shutdaemon continually generates the error message: [ kill:1234567: no such process [Shutdaemon is attempting to kill the egrep which it used to [determine what processes to kill. Since the eqrep is no longer [alive, the kill fails. Solution: [Change the awk command from [ awk '{print \$1}''

[to [ awk '{if (\$4 != "egrep") print \$1}'' 1 SMR Number: [1838 1 ROS Version: [3.4 Status: closed Target Release: Last Reviewed: 12/08/1986 [According to the man page for open (2), a O WRONLY (write-only) open of a ] [fifo will delay returning until another process opens the file for reading.] [Under ROS, however, the open returns immediately. Compile the file in [/usr/beth/exp/1838,c and invoke with a single argument (file foobar is (created). Run a second time with no arguments. On a system V machine, [the process hangs because no process has the fifo open for reading. The [del key can be used to break out of the program. If you run it the second ] [time (with no arguments) on ROS, the program returns immediately. SMR Number: [1838 Solution Fix will be included in: Description: Duplicate of 902. \_\_\_\_\_ \_\_\_\_\_ ROS Version: [3.4 1 SMR Number: [1844 3 Version: [2.1beta Program: [rf 1 Target Release: rf2.1 Last Reviewed: 12/15/1986 Status: closed [The following example should generate an error message when compiled, but ] [does not: real\*4 x, big parameter (big = 1.0e + 99) namelist / fact / x read (5, fact) write (6, \*) x, big end SMR Number: [1844 Solution Fix will be included in: rf2.1 Description: The compilers now flag too large/small floating point constants as errors. ROS Version: [3.4 SMR Number: [1845 1 1 1 
 Program: [rf ]
 Version: [2.1beta ]

 Status: forwarded Target Release:
 Last Reviewed: 12/08/1986
 [The following example, when compiled with the -f option (and -Bn), gives fan error message for namelist. 1 real\*4 x, big parameter (big = 1.0 + 99) ſ namelist / fact / x read (5, fact) write (6, \*) x, big [ end \_\_\_\_ SMR Number: [1848 ] ROS Version: [none 1 Version: [2.0 Program: [rf 1 Status: closed Target Release; rf2.1 Last Reviewed: 12/15/1996 [The mini/maxi intermediate code nodes (objectcase) have no entry in the - 1 [cost function. This may result in a compiler error. Solution SMR Number: [1848 Fix will be included in: rf2.1 Description: Entries have been added to the cost function for mini and maxi. \_\_\_\_\_ ROS Version: [none 1 SMR Number: [1849 1 Version: [2.0 1 Program: [rf Keyword: [peephole loops ] Status: closed Target Release: rf2.1 Last Reviewed: 12/15/1986 [The fortran benchmark 'mflop8.f' causes the old (builtin to the compilers) ] [peephole optimizer to loop. SMR Number: [1849 Solution Fix will be included in: rf2.1 Description:

When the XgetNextInstruction function tries to return the instruction it

was given, then it calls itself again, this time with an updated current block pointer (procPtr).

<pre>SMR Number: [1852 ] Program: [rc ] Status: open Target Release: [The following example [ #include <stdio.h> /* [ */ [generates the following error message [ line3: No name given for declaration]</stdio.h></pre>	
<pre>[ line 3: expected: ';' got: '/' [ line 3: Unexpected end of file. [Rc 1.8 and cc generate the error mess [ Undefined: [main</pre>	1
SMR Number: [1853 ] Status: open Target Release: [When dbx prints floats, it uses a for [of small values. A value which shou] [The format strings used in dbx to pr: [commands need to be changed to either [or to check the value and use scient: [For a longer explanation of this and [/usr/beth/exp/1853.	<pre>ld be 2.0x10-10 is printed as 0.000000.] int out floats in the machine-level ] r always use scientific notation ] ific notation when appropriate. ]</pre>
[the directory. After that command, o [incorrectly. When he spelled the name [a message that said ftp can't access	that directory. When he did a dir on ] nt out any file names. When he typed ] ssage, and then it logged him out. I ] couldn't reproduce it, but the user ]
SMR Number: [1855 ] Program: [rf ] Status: open Target Release: [With version 1.31 of libU77, an examy [(but with rf 2.1 and 1.34 libU77, th [See examples /usr/beth/exp1855.f and [line that's generated when 1855 is ru [the density file, but it is not with	<pre>ings *seem* to work). ] /usr/beth/exp/density. The last ] un should be the first line of ]</pre>
SMR Number: [1856 ] Status: open Target Release: [When one tries to redirect output to [the error message, "use '~~' to star [no file is created, thus no output re	t line with ~" is displayed, and ]
SMR Number: [1857] Program: [rf]] Status: open Target Release: [Calling ioinit can cause a fortran un	amples in /usr/beth/1857.f and 1857.c.] first and last integers of the ] hich is correct. But if the array ] is zero, and the last one is 4* ]
SMR Number: [1858 ] Status: open Target Release: [Create a local dictionary for spell,	ROS Version: [3.4 ] Last Reviewed: 12/29/1986 and then use the command spell +dict ]

[in the file dict, but your file contains [letters, the spell program flags them as	
SMR Number: [1859 ] Program: [rc ] Status: open Target Release: [When trying to compile the example in /us [following options: rc -g -Demacs -c 1859 [a compiler error is generated. Compiling [or cc works.	.c, with either rc 2.1 or rc2.0, ]
SMR Number: [1860 ] Keyword: [waterfall ] Status: open Target Release: [In trying to compile either hood:/usr/sr [with /bin/pp, the compiler goes into deb [This happens on a system with a waterfall [at level 260 and 501.	ug with a floating point overflow. ]
SMR Number: [1861 ] Status: open Target Release: [When more than 1000 different points are ["plot: too many data elements, first 1000 [expand this limitation so that plot will [points.	D used" is generated. Please ]
SMR Number: [1862 ] Program: [cioct ] Status: Target Release: [Issue a command such as 'fsf' to the ct of [cursor appears, issue another command.] [as a result of the first command, the see [error message because the drive is not as	If the tape is still moving } cond command will give an }

[(if the dictionary is called dict). If you've put awk, mips, and vedit ]

# 3. Filters

We recommend you place your Ridge air filter every six months, or more frequently if inspection or your environment dictates. The filters are available from your Systems Engineer, and are supplied at no cost if your Ridge system is still under warranty, or covered by a service contract.

### 4. Disc Compaction

Over time, the distribution of data on a disk can become fragmented. If this fragmentation is severe, a decrease in file and virtual memory system performance may be noted. Compaction of the data on a disk can improve performance.

A compaction is done in two passes. The first pass tries to force multi-extent files into single-extent files. The second pass tries to move small files to free space near the beginning of the disc.

It is possible for customers to do the compaction themselves. The following are some guidelines on when it is necessary to compact the disk, and instructions for the procedure required.

## 4.1 When To Compact The Disk

1. Note the average size of free chunks (in kilobytes) on the disk.

To do this, type:

df -a

dev	kbytes	used	avail	avg.chunk	capacity	mounted at
/dev/disc	437840	309700	128140	572	70%	1

This disk does not need to be compacted because the average chunk size is 572. However, if the average chunk size on your system is less than 32, system performance would be improved with compaction.

- 2. Note the percentage of the disk used (capacity), as output by the *df* command. If the capacity is over 90%, compacting the disk will not improve performance for very long. However, if you remove any files from your disk which are no longer needed, the capacity may be reduced enough to make a compaction worthwhile.
- 3. Do a backup. Although disk compaction is safe, errors on the disk could occur should the compaction stop due to any unusual occurrence. So as an added precaution, we strongly advise doing a backup.

## **4.2 Compaction Procedure**

The time required to compact a disk is dependent upon the size of the disk and the amount of main memory in the system. Increasing the size of the disk and decreasing the amount of memory both lead to longer compaction times. Compaction of a 445-Mybte Fujitsu drive will probably take six to eight hours.

Also, while the compaction is in progress, no one should touch the computer due to static electricity considerations. If it is necessary to stop the compaction, press switch zero. Switch zero is the lowest white button on the front of the right-most board (the half-sized clock board) in the cardcage.

To begin, do the following:

- 1. Make sure everyone has logged off the system.
- 2. Log in as root and type shutdaemon.

- 3. When shutdaemon is finished, log out and press switch zero.
- 4. Flip the load enable toggle switch (lowest toggle switch on the front of the right-most board in the card cage, the clock board) to the right.
- 5. Boot the system by pressing LOAD on the front panel switches.
- 6. The next part of the procedure consists of answering a series of system configuration questions. The notation [RETURN] means press the return key.

```
RBUG (22-Mar-84) PC=00040000
:h [RETURN]
Ridge Operating System, Copyright 1986 Ridge Computers.
VMM 21-Sep-85
  This disc driver does multipage disc transfers.
  If this machine does not have multipage SMD and/or ANSI
  proms, the FILE SYSTEM MAY BE DAMAGED!
Do you want to cold boot from scratch
                                                               (N)? [RETURN]
Use standard VMM parameters
                                                               (Y)? [RETURN]
MY id:65536
VolMgr PId=65537 VolMgr Data FId=1.2
(copy-on-write)
Do you want to see the list of pages
                                                               (N) ? [RETURN]
<< NOTE: The following will display 'SMD' if
 the disc is an SMD disc >>
Disc Device # = 2, Unit 0 ANSI
Disc Device \# = 2, Unit 1 ANSI
Disc Device # = 2, Unit 2 ANSI
Disc Device # = 2, Unit 3 ANSI
                                                               2
Enter disc device number to use:
Enter disc unit to use:
                                                               0
Read bad block map from media
                                                               (N) ? [RETURN]
Map out bad spots on disc (Priam and Fujitsu)
                                                               (N) ? [RETURN]
Write bad block map to media
                                                               (N) ? [RETURN]
Format Hard Disc
                                                               (N) ? [RETURN]
VolMgr 03-Mar-86
Do you want to cold boot the volume table
                                                               (N) ? [RETURN]
Do you want to rebuild volume table
                                                               (N) ? [RETURN]
                                                               (N) ? [RETURN]
Want to add a page to the bad block file
<< NOTE: the following and subsequent
 similar messages may be displayed with
 different numbers >>
Purging unnamed files. Number of files = 61268
Do you want to see file allocations
                                                               (N)? [RETURN]
Clearing bit map
Number of free files = 47332
File table is 22 percent full
                                                               (N) ? yes [RETURN]
Do you want to compact the disc
Verbose printout of compacting motion
                                                               (N) ? yes [RETURN]
```

The compaction now begins.

You will receive information on which files are being turned from multi-extent to single-extent files, and which files are being moved.

When the compaction is finished, you may receive the following messages indicating that the compaction completed successfully, but improvements are still possible with another compaction.

Could not force all files to be single extent Consider re-trying compaction

Move RBUG from floppy to Ridge disc (N)? <see below> << This question indicates that the compaction is finished. You should now flip the load enable switch to the left, press switch 0 on the clock board, and press the LOAD switch on the front panel to re-boot the system. >>

After completing the procedure, run df-a again to determine if another compaction is needed.