


```

RRRRRRRR      EEEEEEEEEE  MM      MM  PPPPPPPP      000000      SSSSSSSS  TTTTTTTTTT
RRRRRRRR      EEEEEEEEEE  MM      MM  PPPPPPPP      000000      SSSSSSSS  TTTTTTTTTT
RR      RR      EE          MMMM  MMMM  PP          PP  00      00  SS          TT
RR      RR      EE          MMMM  MMMM  PP          PP  00      00  SS          TT
RR      RR      EE          MM  MM  MM  PP          PP  00      00  SS          TT
RR      RR      EE          MM  MM  MM  PP          PP  00      00  SS          TT
RRRRRRRR      EEEEEEEEEE  MM      MM  PPPPPPPP      00      00  SSSSSS      TT
RRRRRRRR      EEEEEEEEEE  MM      MM  PPPPPPPP      00      00  SSSSSS      TT
RR  RR        EE          MM      MM  PP          PP  00      00          SS      TT
RR  RR        EE          MM      MM  PP          PP  00      00          SS      TT
RR      RR      EE          MM      MM  PP          PP  00      00          SS      TT
RR      RR      EE          MM      MM  PP          PP  00      00          SS      TT
RR      RR      EEEEEEEEEE  MM      MM  PP          PP  000000      SSSSSSSS  TT
RR      RR      EEEEEEEEEE  MM      MM  PP          PP  000000      SSSSSSSS  TT

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II          SS
LL      II          SS
LL      II          SS
LL      II          SS
LL      II          SSSSSS
LL      II          SSSSSS
LL      II          SS
LL      II          SS
LL      II          SS
LL      II          SS
LLLLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLLLL  IIIIII      SSSSSSSS

```

REMPOST
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- USER VIRTUAL I/O COMPLETION

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HISTORY
DECLARATIONS
TERMINATE I/O

```
0000 1 .TITLE REMPOST - USER VIRTUAL I/O COMPLETION
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
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0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28 :++
0000 29 : FACILITY: VIRTUAL I/O ACP
0000 30
0000 31 : ABSTRACT:
0000 32
0000 33 : ENVIRONMENT:
0000 34 : MODE = KERNEL
0000 35 :--
```

```
0000 37 : .SBTTL HISTORY
0000 38 : AUTHOR: SCOTT G. DAVIS, CREATION DATE: 09-JUL-79
0000 39 :
0000 40 : MODIFIED BY:
0000 41 :
0000 42 : V02-005 DJD2002 Darrell Duffy 3-December-1981
0000 43 : Remove check for queue empty before causing
0000 44 : iopost interrupt. This fixes problem since we may be
0000 45 : swapped out.
0000 46 :
0000 47 : V02-004 DJD2001 Darrell Duffy 11-Mar-1981
0000 48 : RTTDRIVER calls NETDRIVER directly for io
0000 49 :
```

```
0000 51      .SBTTL  DECLARATIONS
0000 52      :
0000 53      : INCLUDE FILES:
0000 54      :
0000 55      $IPLDEF
0000 56      $IRPDEF
0000 57      $PRDEF
0000 58      $UCBDEF
0000 59      $VCBDEF
0000 60      :
0000 61      :
0000 62      : MACROS:
0000 63      :
0000 64      :
0000 65      :
0000 66      : EQUATED SYMBOLS:
0000 67      :
0000 68      :
0000 69      :
0000 70      : OWN STORAGE:
0000 71      :
```

```

00000000 73      .PSECT  REM_CODE,NOWRT
0000      74
0000      75      .SBTTL  TERMINATE I/O
0000      76 :++
0000      77 : FUNCTIONAL DESCRIPTION:
0000      78 :
0000      79 : REM$POST - POST I/O, FIX UP UCB AND VCB COUNTS, CHECK FOR ACP DONE
0000      80 :
0000      81 : CALLING SEQUENCE:
0000      82 :
0000      83 :         BSB      REM$POST
0000      84 :
0000      85 : INPUT PARAMETERS:
0000      86 :
0000      87 :         R3 - IRP ADDRESS
0000      88 :         R5 - UCB ADDRESS
0000      89 :
0000      90 : IMPLICIT INPUTS:
0000      91 :
0000      92 : MESSAGE BUFFER FROM REMOTE
0000      93 :
0000      94 : COMPLETION CODES:
0000      95 :
0000      96 :         WHATEVER CAME OUT OF MESSAGE BUFFER
0000      97 :
0000      98 : SIDE EFFECTS:
0000      99 :
0000     100 :         I/O POSTED FOR USER; UCB, VCB UPDATED
0000     101 :
0000     102 :--
0000     103
0000     104 REM$POST::
70 A5  D6 0000     105 INCL   UCBSL_OPCNT(R5)           ; ANOTHER OPERATION
0003     106 :
0003     107 :         The only transactions that come here now are the cancels.
0003     108 :         Noone increments the count, so we do not decrement it here.
0003     109 :
0003     110 :         MOVL   UCBSL_VCB(R5),R0           ; GET THE VCB ADDRESS
0003     111 :         DECW   VCB$W_TRANS(R0)          ; ONE MORE TRANSACTION COMPLETE
0003     112 :
0003     113 :
0003     114 : POST THE I/O TO THE USER
0003     115 :
00000000'FF 63 0E 0003     116 INSQUE (R3),@L^IOC$GL_PSBL           ; QUEUE PACKET FOR I/O POST
000A     117 :
000A     118 :         Always cause this interrupt incase the queue is blocked because
000A     119 :         someone else has been suspended before causing the softint.
000A     120 :
000A     121 :         BNEQ   10$
000A     122 :         SOFTINT #IPL$_IOPOST           ; IF NEQ QUEUE WASN'T EMPTY
000D     123 :         ; POST THE I/O
000D     124 :*****
000D     125 :         MOVAB  L^REM$UCB0,R1           ; GET REMO'S UCB ADDRESS
000D     126 :         BBC    S^#DEV$V_DMT,UCBSL_DEVCHAR(R1),20$ ; IF BC, NOT MARKED FOR DISMOUNT
000D     127 :         BSBW   REM$DISMOUNT           ; SEE IF DISMOUNT OK
000D     128 :20$:
05 000D     129 RSB

```

REMPOST
V04-000

- USER VIRTUAL I/O COMPLETION
TERMINATE I/O

K 8

16-SEP-1984 02:10:52 VAX/VMS Macro V04-00
5-SEP-1984 02:54:04 [REM.SRC]REMPOST.MAR;1

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000E 130
000E 131 .END

REMPOST
Symbol table

- USER VIRTUAL I/O COMPLETION

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IOC\$GL PSBL ***** X 02
IPL\$ IOPOST = 00000004
PRS SIRR = 00000014
REM\$POST 00000000 RG 02
UCBSL_OPCNT = 00000070

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
REM_CODE	0000000E (14.)	02 (2.)	NOPIC USR CON RFL LCL NOSHR EXE RD NOWRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.09	00:00:00.99
Command processing	110	00:00:00.72	00:00:03.98
Pass 1	267	00:00:06.64	00:00:13.14
Symbol table sort	0	00:00:01.13	00:00:01.74
Pass 2	43	00:00:01.06	00:00:02.69
Symbol table output	2	00:00:00.03	00:00:00.03
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	455	00:00:09.70	00:00:22.59

The working set limit was 1050 pages.
36763 bytes (72 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 764 non-local and 1 local symbols.
131 source lines were read in Pass 1, producing 13 object records in Pass 2.
13 pages of virtual memory were used to define 12 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[REM.OBJ]REM.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	5
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	9

840 GETS were required to define 9 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:REMPOST/OBJ=OBJ\$:REMPOST MSRC\$:REMPOST/UPDATE=(ENH\$:REMPOST)+EXECML\$/LIB+LIB\$:REM/LIB

