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1 0001 0 %TITLE 'PUS -- Process Uneaten String'
2 0002 0 MODULE pus ( IDENT = 'V04-000'
3 P 0003 0 %BLISS32 [, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,
4 0004 0 NONEXTERNAL = LONG_RELATIVE)]
5 0005 0 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1 *****
9 0009 1 *
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28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1
32 0032 1 **
33 0033 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 Decide if record is a command, or contains text,
38 0038 1 and dispatch accordingly.
39 0039 1
40 0040 1 ENVIRONMENT: Transportable
41 0041 1
42 0042 1 AUTHOR: R.W.Friday CREATION DATE: April, 1978
43 0043 1
44 0044 1

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: 46 0045 1 %SBTTL 'Revision History'
: 47 0046 1
: 48 0047 1   MODIFIED BY:
: 49 0048 1
: 50 0049 1   008   KFA00008   Ken Alden   19-Sep-1983
: 51 0050 1   Added support for end-of-line escape sequences.
: 52 0051 1
: 53 0052 1   007   KFA00007   Ken Alden   10-March-1983
: 54 0053 1   Fixed bug with sca_ker. Conditionals needed cleaning up.
: 55 0054 1
: 56 0055 1   006   RER00006   Ron Randall  07-March-1983
: 57 0056 1   Global edit of all modules. Updated module names, idents,
: 58 0057 1   copyright dates. Changed require files to BLISS library.
: 59 0058 1   Changed handler_code to kwitem_handler_code.
: 60 0059 1   --
: 61 0060 1
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63      0061 1 %SBTTL 'Module Level Declarations'
64      0062 1
65      0063 1
66      0064 1 : TABLE OF CONTENTS:
67      0065 1
68      0066 1 : INCLUDE FILES:
69      0067 1
70      0068 1 LIBRARY 'NXPORT:XPORT';           ! XPORT Library
71      0069 1 REQUIRE 'REQ:RNODEF';           ! RUNOFF variant definitions
72      0200 1
73      U 0201 1 %IF DSRPLUS %THEN
74      U 0202 1 LIBRARY 'REQ:DPLLIB';           ! DSRPLUS BLISS Library
75      0203 1 %ELSE
76      0204 1 LIBRARY 'REQ:DSRLIB';           ! DSR BLISS Library
77      0205 1 %FI
78      0206 1
79      0207 1
80      0208 1 : EQUATED SYMBOLS:
81      0209 1
82      0210 1 LITERAL
83      0211 1     FINISH_COMMAND = ARECCC_COUNT + 1,
84      0212 1     PROCESS_TEXT   = ARECCC_COUNT + 2;
85      0213 1
86      0214 1
87      0215 1 : EXTERNAL REFERENCES:
88      0216 1
89      0217 1 EXTERNAL LITERAL
90      0218 1     RINTES : UNSIGNED (8);
91      0219 1
92      0220 1 EXTERNAL
93      0221 1     GCA : GCA_DEFINITION,
94      0222 1     IRA : FIXED_STRING,
95      0223 1     KHAR,
96      0224 1     SCA : SCA_DEFINITION,
97      0225 1     TSF : TSF_DEFINITION;
98      0226 1
99      0227 1 EXTERNAL LITERAL
100     0228 1     rnfdfs,      ! W - .NO SPACE illegal in this context
101     0229 1     rnfilc;     ! W - Illegal command: '%S'
102     0230 1
103     0231 1 EXTERNAL ROUTINE
104     0232 1     AREC,        DOCM,    ENDCMT, ENDWRD, ERMA,
105     0233 1     ERML,        GCSKIP, GUSKIP, LIT,   OUTCRG,
106     0234 1     OUTJ,        OUTNJ,  PARAG,  RCS,    SCANT;
107     0235 1

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0236 1 %sbttl 'PUS -- process uneaten string'
0237 1 GLOBAL ROUTINE PUS (end_word) : NOVALUE =
0238 1
0239 1 ++
0240 1 FUNCTIONAL DESCRIPTION:
0241 1
0242 1     Decide if record is a command, or contains text, and dispatch accordingly.
0243 1
0244 1 FORMAL PARAMETERS:
0245 1
0246 1     END_WORD     TRUE if PUS is to terminate words when found.  i.e. if this
0247 1                 parameter is true, ENDWRD will be called.
0248 1                 FALSE to prevent PUS from calling ENDWRD where it normally
0249 1                 would have.
0250 1
0251 1 IMPLICIT INPUTS:     None
0252 1
0253 1 IMPLICIT OUTPUTS:   None
0254 1
0255 1 ROUTINE VALUE:
0256 1 COMPLETION CODES:   None
0257 1
0258 1 SIDE EFFECTS:       Many and varied! Be sure you understand the
0259 1                     implications before making any changes to this routine.
0260 1
0261 1 --
0262 1
0263 2 BEGIN
0264 2
0265 2 LOCAL
0266 2     action,
0267 2     new_record,           !PUS needs to know if new record or continuing on.
0268 2     save_count,
0269 2     save_khar,
0270 2     save_next;
0271 2
0272 2     save_count = .fs_length (ira);      ! Needed if this turns out to be a
0273 2     save_khar = .khar;                  ! literal line.
0274 2     save_next = .fs_next (ira);
0275 2
0276 2     action = arec ();                   ! Find out what to do with this uneaten string.
0277 2
0278 2     new_record = true;                  ! This is a brand new record.
0279 2
0280 2 WHILE 1 DO                             ! This loop allows the analysis results
0281 2     BEGIN                                 ! to be altered.
0282 2
0283 2     IF .action NEQ finish_command
0284 2     THEN
0285 2     BEGIN
0286 2     !If in the FALSE branch of an .If command, ignore everything
0287 2     !that cannot possibly be a 'normal' RUNOFF command.
0288 2
0289 2     IF .gca_skipping
0290 2     THEN
0291 2
0292 2     IF .action NEQ cf_letter

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166      0293  4      THEN
167      0294  4      RETURN;
168      0295  4
169      0296  4      IF .gca_literal
170      0297  6      AND NOT ((.action EQL end_of_string)
171      0298  5      AND NOT .new_record )
172      0299  4      THEN
173      0300  5      BEGIN                ! Special processing for literals
174      0301  5      LOCAL
175      0302  5      rcs_result;
176      0303  5
177      0304  5      LABEL
178      0305  5      literal_block;
179      0306  5
180      0307  5  literal_block :
181      0308  6      BEGIN
182      0309  6      !The following test is satisfied when a counted literal has run
183      0310  6      ! run out, or it's not a counted literal. In the case where a
184      0311  6      ! counted literal is supposed to run out, but the line does not
185      0312  6      ! contain a .END LITERAL command, the appropriate error action
186      0313  6      ! is taken by LIT.
187      0314  6
188      0315  6      IF .gc_lit_count EQL 0
189      0316  6      THEN
190      0317  7      BEGIN
191      0318  7
192      0319  7      IF .action EQL cf_letter
193      0320  7      THEN
194      0321  7      BEGIN
195      0322  8      rcs_result = rcs ();
196      0323  8
197      0324  8      IF .rcs_result NEQ 0
198      0325  8      THEN
199      0326  9      BEGIN
200      0327  9      MAP
201      0328  9      rcs_result : REF VECTOR;
202      0329  9
203      0330  9      IF .kwitem_handler_code (rcs_result) EQL h_end_literal
204      0331  9      THEN
205      0332  10     BEGIN                !Terminate the literal.
206      0333  10     docm (h_end_literal, 0);
207      0334  10     action = finish_command;
208      0335  10     LEAVE literal_block;
209      0336  9     END;
210      0337  9
211      0338  8     END;
212      0339  8
213      0340  7     END;
214      0341  7
215      0342  6     END;
216      0343  6
217      0344  6      !Just another literal line
218      0345  6      fs_length (ira) = .save_count;  ! Restore possibly modified
219      0346  6      fs_next (ira) = .save_next;    ! count, pointer,
220      0347  6      khar = .save_khar;             ! and stacked character.
221      0348  6
222      0349  6      lit (0);                          ! Let LIT count this line.

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223 0350 6
224 0351 6
225 0352 6
226 0353 6
227 0354 6
228 0355 5
229 0356 5
230 0357 4
231 0358 3
232 0359 3
233 0360 3
234 0361 3
235 0362 3
236 0363 3
237 0364 4
238 0365 4
239 0366 4
240 0367 4
241 0368 4
242 0369 4
243 0370 5
244 0371 5
245 0372 5
246 0373 6
247 0374 7
248 0375 6
249 0376 6
250 0377 6
251 0378 6
252 0379 5
253 0380 5
254 0381 5
255 0382 6
256 0383 6
257 0384 6
258 0385 6
259 0386 6
260 0387 6
261 0388 6
262 0389 6
263 0390 5
264 0391 4
265 0392 4
266 0393 3
267 0394 3
268 0395 3
269 0396 3
270 0397 3
271 0398 3
272 0399 4
273 0400 4
274 0401 4
275 0402 4
276 0403 3
277 0404 3
278 0405 3
279 0406 4

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IF .action NEQ end_of_string
THEN
    action = process_text;
END;
! ***** end of LITERAL_BLOCK *****
END;
END;
CASE .action FROM 1 TO process_text OF
SET
[.end_of_string] :
BEGIN
    IF .sca_fill AND .gca_autopara AND .new_record
    THEN
        parag (-1)
    ELSE
        BEGIN
            IF .sca_fill
            THEN
                ! Fill mode
                BEGIN
                    IF ((NOT .sca_fc) AND .end_word)
                    THEN
                        endwrđ (.sca_fill, .sca_justify, false);
                    END
                ELSE
                    ! Nofill mode
                    IF .sca_ker
                    THEN
                        ! If 'Keeping Empty Records',
                        ! force a blank line
                        BEGIN
                            IF .tsf_int_hl GTR 0 !Force out the current line
                            THEN
                                outnj ();
                                ! first if it is not empty.
                                guskip (1);
                                ! Generate 'blank-line' code.
                                outcrg ();
                                ! Force out blank line NOW.
                            END;
                        END;
                    END;
                RETURN;
            END;
[CF_CF] :
! Two <CONTROL flag>s
.action = not_space;
[CF_COMMENT] :
! A comment starting '!' or '.;'.
! Position into comment
BEGIN
kcns ();
endcmt ();
action = finish_command;
END;
[CF_BREAK, CF_LETTER] :
! Command recognition and processing
BEGIN

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280      0407 4          LOCAL
281      0408 4              rcs_result;
282      0409 4
283      0410 4          rcs_result = rcs ();      ! Try to recognize command.
284      0411 4
285      0412 4          IF .rcs_result EQL 0
286      0413 4          THEN
287      0414 4              action = cf_other      ! If the command was not recognized,
288      0415 4              ! change the action indicator
289      0416 4          ELSE
290      0417 5              BEGIN
291      0418 5                  MAP
292      0419 5                      rcs_result : REF VECTOR;
293      0420 5
294      0421 5              ! Process command
295      0422 5              docm (.kwitem_handler_code (rcs_result), .kwitem_actions (rcs_result));
296      0423 5
297      0424 4              action = finish_command;      ! finish processing command.
298      0425 4              END;
299      0426 3          END;
300      0427 3
301      0428 3          [CF_OTHER] :
302      0429 4              BEGIN
303      0430 4                  !Something that can't be recognized.
304      0431 4                  erma (rnfilc, true);      ! Skip to end of "command" and issue an error message.
305      0432 4                  action = finish_command;      ! Standard end-of-command processing.
306      0433 3              END;
307      0434 3
308      0435 3          [END FOOTNOTE] :
309      0436 4              BEGIN
310      0437 4                  !<ENDFOOTNOTE flag>
311      0438 4                  kcns ();      !Skip the <ENDFOOTNOTE flag>
312      0439 4                  docm (h_end_footnote, 0);      !Terminate a footnote.
313      0440 4                  action = finish_command;      !Finish processing command.
314      0441 3              END;
315      0442 3
316      0443 3          [FIRST SPACE] :
317      0444 4              BEGIN
318      0445 4
319      0446 4                  IF .sca_fill AND .gca_autopara
320      0447 4                  THEN
321      0448 4                      parag (-1);      !Found an auto'd paragraph.
322      0449 4
323      0450 4                  action = process_text;      !Do normal text processing.
324      0451 3              END;
325      0452 3
326      0453 3          [FIRST SEMI] :
327      0454 4              !A ';' following a command.
328      0455 4              !Do normal text processing.
329      0456 3          [NOT SPACE] :
330      0457 4              BEGIN
331      0458 4
332      0459 4                  IF .sca_fill AND .gca_autotabl
333      0460 4                  THEN
334      0461 4                      parag (-1);      !Found an auto'd paragraph.
335      0462 4
336      0463 4                  action = process_text;      !Do normal text processing.

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337 0464 3      END;
338 0465 3
339 0466 3      [PROCESS TEXT] :
340 0467 4      BEGIN
341 0468 4
342 0469 5      IF NOT (.gca_concat AND .sca_cont)
343 0470 4      THEN
344 0471 4      !Normal case, when end of line means end
345 0472 4      !of word. The check on SCA WRD_CPEND avoids
346 0473 4      !extra spaces if the input line-ended with
347 0474 4      !a space or tab.
348 0475 4
349 0476 4      ! If there was a word pending, end it.
350 0477 4      ! In DSRPLUS the pass-through facility will
351 0478 4      ! push through a sequence and not count it against
352 0479 4      ! the margins. However when this type of sequence is
353 0480 4      ! dropped at the end of a line, then sca_wrd_cpend will
354 0481 4      ! equal rintes. ENDWRD still needs to be called however.
355 0482 4      ! For this reason, if a pass-through was part of the last
356 0483 4      ! word, then we'll call endwrld if sca_wrd_cpend eql rintes.
357 0484 4
358 0485 4      IF .end_word AND
359 0486 6      ((.sca_wrd_cpend NEQ rintes)
360 U 0487 6 %IF DSRPLUS %THEN
361 U 0488 6      OR
362 U 0489 6      ((.sca_wrd_cpend EQL rintes) AND (.sca_wrd_pass)))
363 0490 5 %ELSE)
364 0491 5 %FI
365 0492 4      THEN
366 0493 4      endwrld (.sca_fill, .sca_justify, false);
367 0494 4
368 0495 5      IF .gca_concat AND (NOT .sca_cont)
369 0496 4      THEN
370 0497 4      erml (RNFDNS);      !NO SPACE canceled by some other command
371 0498 4      !Issue error message.
372 0499 4
373 0500 4      gca_concat = false; !Concatination no longer pending.
374 0501 4      scañt ();      !Go scan text.
375 0502 4
376 0503 4      !In .NO FILL mode, the end of an input line
377 0504 4      !corresponds to the end of an output line.
378 0505 4
379 0506 4      IF NOT .sca_fill
380 0507 4      THEN
381 0508 4      IF .sca_justify
382 0509 4      THEN
383 0510 4      outj ()      ! No fill,justify
384 0511 4      ELSE
385 0512 4      outnj ();      ! No fill, no justify
386 0513 4
387 0514 4      RETURN;
388 0515 3      END;
389 0516 3
390 0517 3      [FINISH COMMAND] :
391 0518 4      BEGIN
392 0519 4      new_record = false;      ! Continue same record.
393 0520 4      action = arec ();      ! Find out what to do.

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394 0521 4
395 0522 4
396 0523 4
397 0524 4
398 0525 4
399 0526 4
400 0527 4
401 0528 5
402 0529 5
403 0530 5
404 0531 5
405 0532 4
406 0533 4
407 0534 4
408 0535 4
409 0536 4
410 0537 4
411 0538 4
412 0539 5
413 0540 5
414 0541 5
415 0542 5
416 0543 4
417 0544 4
418 0545 3
419 0546 3
420 0547 3
421 0548 3
422 0549 2
423 0550 2
424 0551 1

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IF .action EQL end_of_string
THEN
RETURN;

IF .action EQL first_semi
THEN
BEGIN
kcns ();           ! Skip the '.'
action = arec (); ! find out what to do with remainder,
new_record = true; ! & handle it like a brand new record.
END;

! If the command just processed was a .LITERAL command, don't let the
! old pointers, etc. get set back at the top of the loop.

IF .gca_literal
THEN
BEGIN
save_count = .fs_length (ira);
save_khar = .khar;
save_next = .fs_next (ira);
END;

END;

TES;

END;

END;

```

!End of PUS

.TITLE PUS PUS -- Process Uneaten String
.IDENT \V04-000\

```

.EXTRN RINTES, GCA, IRA
.EXTRN KHAR, SCA, TSF, RNFDNS
.EXTRN RNFILC, AREC, DOCM
.EXTRN ENDCMT, ENDWRD, ERMA
.EXTRN ERML, GCSKIP, GUSKIP
.EXTRN LIT, OUTCRG, OUTJ
.EXTRN OUTNJ, PARAG, RCS
.EXTRN SCANT

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.PSECT \$CODE\$,NOWRT,2

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OFFC 0000
5B 00000000G EF 9E 00002
5A 00000000G EF 9E 00009
59 00000000G EF 9E 00010
58 00000000G EF 9E 00017
57          68 DO 0001E
56          68 DO 00021
55          F8 A8 DO 00024
00000000G EF 00 FB 00028
52          50 DO 0002F

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.ENTRY PUS, Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 : 0237
MOVAB KHAR, R11
MOVAB GCA+48, R10
MOVAB SCA+104, R9
MOVAB IRA+12, R8
MOVL IRA+12, SAVE_COUNT : 0272
MOVL KHAR, SAVE_KHAR : 0273
MOVL IRA+4, SAVE_NEXT : 0274
CALLS #0, AREC : 0276
MOVL R0, ACTION

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	54		01	D0	00032		MOVL	#1, NEW_RECORD	0278		
	0B		52	D1	00035	1\$:	CMPL	ACTION, #11	0283		
			5B	13	00038		BEQL	5\$			
	06	6C	AA	E9	0003A		BLBC	GCA+156, 2\$	0289		
	05		52	D1	0003E		CMPL	ACTION, #5	0292		
			01	13	00041		BEQL	2\$			
				04	00043		RET				
	4D	20	AA	E9	00044	2\$:	BLBC	GCA+80, 5\$	0296		
	01		52	D1	00048		CMPL	ACTION, #1	0297		
			03	12	0004B		BNEQ	3\$			
	45		54	E9	0004D		BLBC	NEW_RECORD, 5\$	0298		
		08	AA	D5	00050	3\$:	TSTL	GCA+56	0315		
			25	12	00053		BNEQ	4\$			
	05		52	D1	00055		CMPL	ACTION, #5	0319		
			20	12	00058		BNEQ	4\$			
	0000000G	EF	00	FB	0005A		CALLS	#0, RCS	0322		
			50	D5	00061		TSTL	RCS_RESULT	0324		
			15	13	00063		BEQL	4\$			
	3C	04	A0	D1	00065		CMPL	4(RCS_RESULT), #60	0330		
			0F	12	00069		BNEQ	4\$			
	0000000G	7E	3C	7D	0006B		MOVQ	#60, -(SP)	0333		
		EF	02	FB	0006E		CALLS	#2, DOCM			
		52	0B	D0	00075		MOVL	#11, ACTION	0334		
			1B	11	00078		BRB	5\$	0335		
	F8	68	57	D0	0007A	4\$:	MOVL	SAVE_COUNT, IRA+12	0345		
		A8	55	D0	0007D		MOVL	SAVE_NEXT, IRA+4	0346		
		6B	56	D0	00081		MOVL	SAVE_KHAR, KHAR	0347		
			7E	D4	00084		CLRL	-(SP)	0349		
	0000000G	EF	01	FB	00086		CALLS	#1, LIT			
		01	52	D1	0008D		CMPL	ACTION, #1	0351		
			03	13	00090		BEQL	5\$			
		52	0C	D0	00092		MOVL	#12, ACTION	0353		
		01	52	CF	00095	5\$:	CASEL	ACTION, #1, #11	0360		
0077		0096	0018		00099	6\$:	.WORD	7\$-6\$, -			
00FE	0072	00BD	0096		000A1			18\$-6\$, -			
0104	00E2	00EC	00AC		000A9			14\$-6\$, -			
								15\$-6\$, -			
								18\$-6\$, -			
								21\$-6\$, -			
								27\$-6\$, -			
								30\$-6\$, -			
								20\$-6\$, -			
								28\$-6\$, -			
								37\$-6\$, -			
								32\$-6\$			
			53	B9	D0	000B1	7\$:	MOVL	@SCA+104, R3	0366	
			2E	53	E9	000B5		BLBC	R3, 11\$		
			0E	D4	BA	E9	000B8	BLBC	@GCA+4, 8\$		
			0B	54	E9	000BC		BLBC	NEW_RECORD, 8\$		
			7E	01	CE	000BF		MNEGL	#1, -(SP)	0368	
	0000000G	EF	01	FB	000C2		CALLS	#1, PARAG			
				04	000C9		RET				
			19	53	E9	000CA	8\$:	BLBC	R3, 11\$	0371	
			01	2C	A9	E9	000CD	BLBC	SCA+148, 9\$	0374	
				04	000D1		RET				
			01	04	AC	E8	000D2	9\$:	BLBS	END_WORD, 10\$	
				04	000D6		RET				

			7E	D4	000D7	10\$:	CLRL	-(SP)		0376
		FC	B9	DD	000D9		PUSHL	@SCA+100		
			53	DD	000DC		PUSHL	R3		
00000000G	EF		03	FB	000DE		CALLS	#3, ENDWRD		
				04	000E5		RET			0371
	01	1C	B9	E8	000E6	11\$:	BLBS	@SCA+132, 12\$		0380
				04	000EA		RET			
		00000000G	FF	D5	000EB	12\$:	TSTL	@TSF		0384
			07	15	000F1		BLEQ	13\$		
00000000G	EF		00	FB	000F3		CALLS	#0, OUTNJ		0386
			01	DD	000FA	13\$:	PUSHL	#1		0388
00000000G	EF		01	FB	000FC		CALLS	#1, GUSKIP		
00000000G	EF		00	FB	00103		CALLS	#0, OUTCRG		0389
				04	0010A		RET			0364
	52		0A	D0	0010B	14\$:	MOVL	#10, ACTION		0396
			69	11	0010E		BRB	26\$		
			68	D5	00110	15\$:	TSTL	IRA+12		0400
			09	14	00112		BGTR	16\$		
	6B	00G	8F	9A	00114		MOVZBL	#RINTES, KHAR		
	68		01	CE	00118		MNEGL	#1, IRA+12		
			09	11	0011B		BRB	17\$		
	6B	F8	B8	9A	0011D	16\$:	MOVZBL	@IRA+4, KHAR		
		F8	A8	D6	00121		INCL	IRA+4		
			68	D7	00124		DECL	IRA+12		
00000000G	EF		00	FB	00126	17\$:	CALLS	#0, ENDCMT		0401
			47	11	0012D		BRB	25\$		0402
00000000G	EF		00	FB	0012F	18\$:	CALLS	#0, RCS		0410
			50	D5	00136		TSTL	RCS_RESULT		0412
			05	12	00138		BNEQ	19\$		
	52		09	D0	0013A		MOVL	#9, ACTION		0414
			5B	11	0013D		BRB	31\$		
	7E	04	A0	7D	0013F	19\$:	MOVQ	4(RCS_RESULT), -(SP)		0421
			2A	11	00143		BRB	24\$		
			01	DD	00145	20\$:	PUSHL	#1		0431
00000000G	EF	00000000G	8F	DD	00147		PUSHL	#RNFILC		
			02	FB	0014D		CALLS	#2, ERMA		
			20	11	00154		BRB	25\$		0432
			68	D5	00156	21\$:	TSTL	IRA+12		0438
			09	14	00158		BGTR	22\$		
	6B	00G	8F	9A	0015A		MOVZBL	#RINTES, KHAR		
	68		01	CE	0015E		MNEGL	#1, IRA+12		
			09	11	00161		BRB	23\$		
	6B	F8	B8	9A	00163	22\$:	MOVZBL	@IRA+4, KHAR		
		F8	A8	D6	00167		INCL	IRA+4		
			68	D7	0016A		DECL	IRA+12		
	7E		39	7D	0016C	23\$:	MOVQ	#57, -(SP)		0439
00000000G	EF		02	FB	0016F	24\$:	CALLS	#2, DOCM		
	52		0B	D0	00176	25\$:	MOVL	#11, ACTION		0440
			1F	11	00179	26\$:	BRB	31\$		0360
	18	00	B9	E9	0017B	27\$:	BLBC	@SCA+104, 30\$		0446
	14	D4	BA	E9	0017F		BLBC	@GCA+4, 30\$		
			08	11	00183		BRB	29\$		0448
	0E	00	B9	E9	00185	28\$:	BLBC	@SCA+104, 30\$		0459
	0A	DC	BA	E9	00189		BLBC	@GCA+12, 30\$		
	7E		01	CE	0018D	29\$:	MNEGL	#1, -(SP)		0461
00000000G	EF		01	FB	00190		CALLS	#1, PARAG		
	52		0C	D0	00197	30\$:	MOVL	#12, ACTION		0463

			FE98	31	0019A	31\$:	BRW	1\$		0360
	04		6A	E9	0019D	32\$:	BLBC	GCA+48, 33\$		0469
	1E	3C	A9	E8	001A0		BLBS	SCA+164, 34\$		
	1A	04	AC	E9	001A4	33\$:	BLBC	END_WORD, 34\$		0485
00000000G	8F	00B0	C9	D1	001A8		CMPL	SCA+280, #RINTES		0486
			0F	13	001B1		BEQL	34\$		
			7E	D4	001B3		CLRL	-(SP)		0493
		FC	B9	DD	001B5		PUSHL	@SCA+100		
		00	B9	DD	001B8		PUSHL	@SCA+104		
00000000G	EF		03	FB	001BB		CALLS	#3, ENDWRD		
	11		6A	E9	001C2	34\$:	BLBC	GCA+48, 35\$		0495
	0D	3C	A9	E8	001C5		BLBS	SCA+164, 35\$		
00000000G	EF	00000000G	8F	DD	001C9		PUSHL	#RNF DNS		0497
			01	FB	001CF		CALLS	#1, ERML		
00000000G	EF		6A	D4	001D6	35\$:	CLRL	GCA+48		0499
	5E	00	00	FB	001D8		CALLS	#0, SCANT		0500
	08	FC	B9	E8	001DF		BLBS	@SCA+104, 42\$		0505
00000000G	EF		B9	E9	001E3		BLBC	@SCA+100, 36\$		0508
			00	FB	001E7		CALLS	#0, OUTJ		0510
				04	001EE		RET			
00000000G	EF		00	FB	001EF	36\$:	CALLS	#0, OUTNJ		0512
				04	001F6		RET			0508
			54	D4	001F7	37\$:	CLRL	NEW_RECORD		0519
00000000G	EF		00	FB	001F9		CALLS	#0, AREC		0520
	52		50	D0	00200		MOVL	R0, ACTION		
	01		52	D1	00203		CMPL	ACTION, #1		0522
			39	13	00206		BEQL	42\$		
	08		52	D1	00208		CMPL	ACTION, #8		0526
			23	12	0020B		BNEQ	40\$		
			68	D5	0020D		TSTL	IRA+12		0529
			09	14	0020F		BGTR	38\$		
	6B	00G	8F	9A	00211		MOVZBL	#RINTES, KHAR		
	68		01	CE	00215		MNEGL	#1, IRA+12		
			09	11	00218		BRB	39\$		
	6B	F8	B8	9A	0021A	38\$:	MOVZBL	@IRA+4, KHAR		
		F8	A8	D6	0021E		INCL	IRA+4		
			68	D7	00221		DECL	IRA+12		
00000000G	EF		00	FB	00223	39\$:	CALLS	#0, AREC		0530
	52		50	D0	0022A		MOVL	R0, ACTION		
	54		01	D0	0022D		MOVL	#1, NEW_RECORD		0531
	0A	20	AA	E9	00230	40\$:	BLBC	GCA+80, 41\$		0537
	57		68	D0	00234		MOVL	IRA+12, SAVE_COUNT		0540
	56		6B	D0	00237		MOVL	KHAR, SAVE_KHAR		0541
	55	F8	A8	D0	0023A		MOVL	IRA+4, SAVE_NEXT		0542
			31	0023E	41\$:	BRW	1\$			0280
		DF4	04	00241	42\$:	RET				0551

: Routine Size: 578 bytes, Routine Base: \$CODE\$ + 0000

: 425 0552 1
: 426 0553 1 END
: 427 0554 0 ELUDOM

!End of module

PUS
V04-000

PUS -- Process Uneaten String
PUS -- process uneaten string

I 10
16-Sep-1984 01:29:14
14-Sep-1984 13:07:49

VAX-11 Bliss-32 V4.0-742
DISK\$VMMASTER:[RUNOFF.SRC]PUS.BLI;1 Page 13
(4)

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	578 NOVEC,NOWRT, RD ,	EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
-\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	43	3	86	00:00.2

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:PUS/OBJ=OBJ\$:PUS MSRC\$:PUS/UPDATE=(ENH\$:PUS)

: Size: 578 code + 0 data bytes
: Run Time: 00:12.0
: Elapsed Time: 00:25.3
: Lines/CPU Min: 2781
: Lexemes/CPU-Min: 14876
: Memory Used: 153 pages
: Compilation Complete

0347 AH-BT13A-SE
VAX/VMS V4.0

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PAGE LIS	PERMITE LIS								
PAGCMP LIS									
	PANPA LIS						RCS LIS		
					POOL LIS			RINIT LIS	
			PERIOD LIS			PLUS LIS			
							PUTNDC LIS		
			PARSEP LIS				PUTTDC LIS	REQUIRE LIS	
	PAGMRC LIS								
	PARAG LIS						REPEAT LIS		