

0		55
1	(PCOMP - Constants	56
2	(PCOMP - Constants	57
3	(PCOMP - Constants	58
4	(PCOMP - Constants	59
5	(PCOMP - Constants	60
6	(PCOMP - Constants	61
7	(PCOMP - Constants	62
8	(PCOMP - Variables	63
9	(PCOMP - Variables	
10	(PCOMP - Ifields	
11	(PCOMP - Ifields	
12	(PCOMP - Ifields	
13	(PCOMP - COPY-PCR	
14	(PCOMP - P" SAVE-PHRASE	
15	(PCOMP - SAVE-SYLB ORIG[JORIG	
16	(PCOMP - BEGIN-OPR-ASSEMBLY END-OPR-ASSEMBLY	
17	(PCOMP - BEGIN-VST END-VST	
18	(PCOMP - ORIGINATOR: SUBJECT:	
19	(PCOMP - BLTFILE:	
20	(PCOMP - TEXT-COLOR: NEXT-NUMBER TALKITIVENESS% .	
21	(PCOMP - SCOUT-SHIP: INITIAL-EDL: SURRENDER: ...	
22	(PCOMP - B-EDL-THRESHOLD: C-EDL-THRESHOLD:...	
23	(PCOMP - SPACE HOMEWORLD LEGAL-SPACIAL-CONTEXTS:	
24	(PCOMP - OR(LP)	
25	(PCOMP - LEGAL-POSTURES: OBSEQUIOUS FRIENDLY ...	
26	(PCOMP - FREQUENCY-COUNT: FREQUENCY-LIMIT:	
27	(PCOMP - BEDL> EDL> UNCONDITIONAL-ACTION: ...	
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3

0	(PCOMP - Constants	3-8-85)
1		
2	14 C= NAVIGATOR \ NAVIGATOR ID	
3	15 C= ENGINEER \ ENGINEER ID	
4	16 C= COMMUNICATIONS-OFFICER \ COMM.-OFF ID	
5	17 C= DOCTOR \ DOCTOR ID	
6	18 C= ENTERPRISE	
7	19 C= DERELICT	
8		
9	127 C= TERM	
10	-127 C= NO-OP	
11		
12		
13		
14		
15		

1

4

0 (PCOMP - Constants	3-8-85) (PCOMP - Constants	3-8-85)
1 1 C= TRUE		
2 0 C= FALSE	1 C= SP \ SPACIAL CONSTANTS FOR VERSION 1	
3 52 C= OPR-CLASS	2 C= HW (HOME WORLD?)	
4 48 C= PHRASE-CLASS		
5 51 C= SUBJ-CLASS		
6 50 C= PCR-CLASS		
7		
8		
9		
10		
11		
12		
13		
14		
15		

2

5

0 (PCOMP - Constants	3-8-85) (PCOMP - Constants	3-8-85)
1		
2 1 C= ELOWAN \ ELOWAN ID	HEX	
3 2 C= GAZURTOLD \ GAZERTIOS ID	1 C= OBSEQ \ OBSEQUIOUS POSTURE	
4 3 C= MECHAN \ MECHAN ID	2 C= FRIEND \ FRIENDLY POSTURE	
5 4 C= MYSTERION \ MYSTERION ID	4 C= NEUT. \ DIPLOMATIC POSTURE	
6 5 C= NOMAD \ NOMAD ID	8 C= HOST. \ HOSTILE POSTURE	
7 6 C= SPEMIN \ SPEMIN ID		
8 7 C= THRYNN \ THRYNN ID	DECIMAL	
9 8 C= VELOX \ VELOX ID		
10 9 C= UHLEK \ UHLEK ID		
11 10 C= VELOX-PROBE \ VELOX PROBE ID		
12 11 C= MINSTREL \ MINSTREL		
13 12 C= CAPTAIN \ CAPTIAN ID		
14 13 C= SCIENCE-OFFICER \ SCIENCE-OFFICER ID		
15		

6

9

0 (PCOMP - Constants	3-8-85) (PCOMP - Variables	3-8-85)
1		
2 0 C= UNSPECIFIED	\ UNSPECIFIED SUBJECT CODE	V= (LP) (legal posture flags)
3 1 C= HAILING	\ HAILING SUBJECT COD	V= (LSC)
4 2 C= HAILING-RESPONSE		V= (LTC)
5 3 C= GOODBYE	\ GOODBYE SUBJECT COD	V= (FC)
6 4 C= I-WON'T-ANSWER	\ I WON'T ANS SUBJECT CODE	V= (DEDLN)
7 5 C= I-DON'T-KNOW	\ I DON'T KNOW SUBJECT CODE	V= (DEDLY)
8 6 C= WHAT'S-YOUR-ANSWER	\ WHAT'S YOUR SUBJECT CODE	V= (UA)
9 7 C= THEMSELVES	\ THEMSELVES SUBJECT CODE	
10 8 C= OTHER-RACES	\ OTHER-RACES SUBJECT CODE	
11 9 C= GENERAL-INFORMATION	\ GENERAL INFO SUBJECT CODE	
12		
13		
14		
15		

7

10

0 (PCOMP - Constants	3-8-85) (PCOMP - Ifields	3-15-85)
1		
2 10 C= OLD-EMPIRE	\ OLD EMPIRE SUBJECT CODE	PCR-CLASS IHEADLEN 0 + 1 IFIELD LSC \ LEGAL SPACIAL CONTEXT
3 11 C= ANCIENT-ONES	\ ANCIENT ONES SUBJECT COD	PCR-CLASS IHEADLEN 1 + 1 IFIELD LP \ LEGAL POSTURE
4 12 C= DISTRESS	\ DISTRESS SUBJECT CODE	PCR-CLASS IHEADLEN 2 + 1 IFIELD FC \ FREQUENCY COUNT
5 13 C= STATEMENTS	\ STATEMENT SUBJECT CODE	PCR-CLASS IHEADLEN 3 + 1 IFIELD UA \ UNCONDITIONAL ACTION
6 14 C= QUESTIONS	\ QUESTIONS SUBJECT CODE	PCR-CLASS IHEADLEN 4 + 1 IFIELD DEDLN \ DELTA EDL ON NO
7 15 C= ENOUGH-TALKING	\ ENOUGH SUBJECT CODE	PCR-CLASS IHEADLEN 5 + 1 IFIELD DEDLY \ DELTA EDL ON YES
8		
9		PHRASE-CLASS IHEADLEN 0 + 1 IFIELD PHR-CNT
10		PHRASE-CLASS IHEADLEN 1+ 254 IFIELD PHRASE
11		
12		
13		
14		
15		

8

11

0 (PCOMP - Variables	3-8-85) (PCOMP - Ifields	3-8-85)
1		
2 V= 'SAVE-PHRASE (P" vector)		OPR-CLASS 0 IHEADLEN + 1 IFIELD TC \ TEXT COLOR
3		OPR-CLASS 1 IHEADLEN + 1 IFIELD TX \ TALKITIVENESS %
4 2V= (ALLPHR) (container of all originator records)		OPR-CLASS 2 IHEADLEN + 1 IFIELD SURR \ SURRENDER FLAG
5 2V= (DRIG) (current originator iaddr)		OPR-CLASS 3 IHEADLEN + 1 IFIELD UNKNWS \ UNKNOWN SHIP POWER
6 2V= (VST) (current vst container iaddr)		OPR-CLASS 4 IHEADLEN + 1 IFIELD TP \ TRANSPORT SHIP PWR FL
7 2V= (SUBJ) (current subject iaddr)		OPR-CLASS 5 IHEADLEN + 1 IFIELD SS \ SCOUT SHIP POWER FIE
8		OPR-CLASS 6 IHEADLEN + 1 IFIELD WS \ WARSHIP POWER FIELD
9		OPR-CLASS 7 IHEADLEN + 1 IFIELD I-EDL \ INITIAL EDL
10		OPR-CLASS 8 IHEADLEN + 1 IFIELD AET \ A EDL THRESHOLD
11		OPR-CLASS 9 IHEADLEN + 1 IFIELD BET \ B " "
12		OPR-CLASS 10 IHEADLEN + 1 IFIELD CET \ C " "
13		OPR-CLASS 11 IHEADLEN + 1 IFIELD OPE \ OBSEQ PLAYER POST EFFT
14		
15		

12

15

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0 ( PCOMP - Ifields                                9-12-85) ( PCOMP - SAVE-SYBL ORIG JORIG 3-8-85)
1
2 OPR-CLASS IHEADLEN 12 + 1 IFIELD FPE \ FRIENDLY PLAYER POST : SAVE-SYBL ( addr count -- \ save syllable in vst)
3 OPR-CLASS IHEADLEN 13 + 1 IFIELD HPE \ HOST. PLER POST. EFF (VST) 1.5@ >C SET-CURRENT
4 OPR-CLASS IHEADLEN 14 + 1 IFIELD MSW \ MAX/SYL WORD DUP 1+ VICREATE CI IINSERT
5 OPR-CLASS IHEADLEN 15 + 3 IFIELD VST-PTR \ POINT TO VSTS IOPEN DUP PHR-CNT C! PHRASE SWAP CHOVE
6 OPR-CLASS IHEADLEN 18 + 1 IFIELD BLT-FIL \ POINT TO COMM PICTUR CDROP ICLOSE ;
7
8                                     : ORIG ( ( --i) , -- \ put current originator onto context stk)
9                                     (ORIG) 1.5@ >C SET-CURRENT ;
10
11                                     : JORIG ( ( --i) , -- \ drop current originator )
12                                     ICLOSE ;
13
14
15

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13

16

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0 ( PCOMP - COPY-PCR                                3-8-85) ( PCOMP - BEGIN-OPR-ASSEMBLY END-OPR-ASSEMBLY 3-8-85)
1
2 : COPY-PCR ( --- \ copy current phrase control variables) : BEGIN-OPR-ASSEMBLY ( --- \ preface phrase text with this)
3 ( to phrase control record) IROOT >C SET-CURRENT
4 (LP) @ LP C! (LSC) @ LSC C! IOPEN 7 0 IFIND DROP ( look for iapplication)
5 (FC) @ FC C! (DEDLN) @ DEDLN C! 11 36 ICREATE 2DUP C! IINSERT (ALLPHR) 1.5!
6 (DEDLY) @ DEDLY C! (UA) @ UA C! ; ' SAVE-PHRASE 'SAVE-PHRASE ! ;
7
8                                     : END-OPR-ASSEMBLY ( --- \ follows phrase text)
9                                     SAVE-BUFFERS ;
10
11                                     \ BEGIN-OPR-ASSEMBLY MUST
12                                     \ BE PLACED ON THE FIRST SCREEN OF
13                                     \ THE ORIGINATOR RECORD DESCRIPTIONS
14
15

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14

17

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0 ( PCOMP - P" SAVE-PHRASE                            4/22/85) ( PCOMP - BEGIN-VST END-VST 3-11-85)
1
2 : P" ( <phrase> --- \ get phrase and store it) : BEGIN-VST ( --- \ start vocabulary syntax table)
3 ASCII * WORD COUNT 2DUP >UPPERCASE ( addr count --) 11 48 ICREATE 2DUP (VST) 1.5!
4 >HUFF 'SAVE-PHRASE @ EXECUTE ; (ORIG) 1.5@ IINSERT
5 IMMEDIATE ORIG (VST) 1.5@ VST-PTR 1.5! JORIG
6 ' SAVE-SYBL 'SAVE-PHRASE ! ;
7 : SAVE-PHRASE ( addr count -- \ save phrase under current sub) : END-VST ( --- \ return to general phrases)
8 (SUBJ) 1.5@ >C SET-CURRENT ' SAVE-PHRASE 'SAVE-PHRASE ! ;
9 IOPEN PCR-CLASS 0 1 *CREATE
10 COPY-PCR
11 DUP 1+ VICREATE CI IINSERT
12 IOPEN DUP PHR-CNT C! PHRASE SWAP CHOVE
13 CDROP CDROP ICLOSE ;
14
15

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18

21

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0 ( PCOMP - ORIGINATOR: SUBJECT: 3-8-85) ( PCOMP - SCOUT-SHIP: INITIAL-EDL: SURRENDER: ... 3-8-85)
1
2 : ORIGINATOR: ( <name> -- \ create a new originator record) : SCOUT-SHIP: ( --- )
3 OPR-CLASS NEXT-NUMBER 0 MAX 255 MIN ORIG SS C! JORIG ;
4 [COMPILE] ' EXECUTE ( n -- \ get originator number)
5 ICREATE 2DUP ( i i --) : INITIAL-EDL: ( --- )
6 (ORIG) 1.5! ( -- \ make current originator) NEXT-NUMBER 0 MAX 100 MIN ORIG I-EDL C! JORIG ;
7 (ALLPHR) 1.5@ IINSERT ;
8 : SURRENDER: ( --- )
9 : SUBJECT: ( <name> -- \ create a new subject record) [COMPILE] ' EXECUTE ORIG SURR C! JORIG ;
10 SUBJ-CLASS
11 [COMPILE] ' EXECUTE ( n -- \ get subject number) : MAX-SYLLABLES/WORD: ( --- )
12 ICREATE 2DUP ( i i --) NEXT-NUMBER 0 MAX 10 MIN ORIG MSW C! JORIG ;
13 (SUBJ) 1.5! ( -- \ make current subject)
14 (ORIG) 1.5@ IINSERT ; : A-EDL-THRESHOLD: ( --- )
15 NEXT-NUMBER ORIG AET C! JORIG ;

```

19

22

```

0 ( PCOMP - BLTFILE: 9-12-85) ( PCOMP - B-EDL-THRESHOLD: C-EDL-THRESHOLD:... 3-8-85)
1
2 : NEXT-NUMBER ( -- \ parse a number from the input stream) : B-EDL-THRESHOLD: ( --- )
3 BL WORD NUMBER DROP ; NEXT-NUMBER ORIG BET C! JORIG ;
4
5 : BLTFILE: ( -- \ point to bit file containing picture for) : C-EDL-THRESHOLD: ( --- )
6 ( communications) NEXT-NUMBER ORIG CET C! JORIG ;
7 NEXT-NUMBER ORIG BLT-FIL C! JORIG ;
8 : OBSEQ-PLAYER-POSTURE-EFFECT: ( --- )
9 NEXT-NUMBER ORIG OPE C! JORIG ;
10
11 : FREINDLY-PLAYER-POSTURE-EFFECT: ( --- )
12 NEXT-NUMBER ORIG FPE C! JORIG ;
13
14 : HOSTILE-PLAYER-POSTURE-EFFECT: ( --- )
15 NEXT-NUMBER ORIG HPE C! JORIG ;

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23

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0 ( PCOMP - TEXT-COLOR: NEXT-NUMBER TALKITIVENESS% ... 3-8-85) ( PCOMP - SPACE HOMEWORLD LEGAL-SPACIAL-CONTEXTS: 3-11-85)
1
2 : TEXT-COLOR: ( --- ) : SPACE ( -- \ set space context bit)
3 [COMPILE] ' EXECUTE ORIG TC C! JORIG ; (LSC) @ SP OR (LSC) ! ;
4
5 : HOMEWORLD ( -- \ set homeworld context bit)
6 : TALKITIVENESS%: ( --- ) (LSC) @ HW OR (LSC) ! ;
7 NEXT-NUMBER 0 MAX 100 MIN ORIG TX C! JORIG ;
8 : LEGAL-SPACIAL-CONTEXTS: ( -- \ reset legal spacial context)
9 : WARSHIP: ( --- ) (LSC) OFF ;
10 NEXT-NUMBER 0 MAX 255 MIN ORIG WS C! JORIG ;
11
12 : TRANSPORT: ( --- )
13 NEXT-NUMBER 0 MAX 255 MIN ORIG TP C! JORIG ;
14
15

```


24

```

0 ( PCOMP - OR(LP)
1
2 : OR(LP) ( mask -- \ or mask with (lp))
3 (LP) @ OR (LP) ! ;
4
5
6
7
8
9
10
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12
13
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15

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25

```

0 ( PCOMP - LEGAL-POSTURES: OBSEQUIOUS FRIENDLY ...
1
2 : LEGAL-POSTURES: ( -- \ reset legal posture byte)
3 (LP) OFF ;
4
5 : OBSEQUIOUS ( -- \ set obseq bit in lp byte)
6 OBSEQ OR(LP) ;
7
8 : FRIENDLY ( -- \ set friendly bit in lp byte)
9 FRIEND OR(LP) ;
10
11 : NEUTRAL ( -- \ set diplomatic bit in lp byte)
12 NEUT. OR(LP) ;
13
14 : HOSTILE ( -- \ set hostile bit in lp byte)
15 HOST. OR(LP) ;

```

26

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0 ( PCOMP - FREQUENCY-COUNT: FREQUENCY-LIMIT:
1
2 : FREQUENCY-COUNT: ( -- \ store fc in fc)
3 NEXT-NUMBER 0 MAX 255 MIN (FC) ! ;
4
5 : UNCONDITIONAL-ACTION: ( -- \ store ua pointer)
6 [COMPILE] ' EXECUTE (UA) ! ;
7
8
9
10
11
12
13
14
15

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27

```

3-8-85) ( PCOMP - BEDL> EDL> UNCONDITIONAL-ACTION: ... 3-8-85)
: EDL> ( (<#> -- n ) NEXT-NUMBER ;
\ modified unconditional action compilers to allow +-
\ base-edl, +- edl, terminate, & nop; the # compiled is
\ interpreted by the comm pkg. 3-7-85 awk
: DELTA-EDL-ON-NO: ( -- \ set dedln)
NEXT-NUMBER -100 MAX 100 MIN (DEDLN) ! ;
: DELTA-EDL-ON-YES: ( -- \ set dedly)
NEXT-NUMBER -100 MAX 100 MIN (DEDLY) ! ;

```

28

29

3-11-85)