File created: 28-Nov-88 16:38:31 **{DSK}/users/greep/BAD-XREF.;2**

Read Table: XCL

Package: XCL-USER

Format: XCCS

```
(IL:RPAQQ IL:BAD-XREFCOMS ((IL:FUNCTIONS XREF XREF-FILE XREF-OUTPUT)
                           (IL:VARIABLES XREF-READTABLE)))

(DEFUN XREF (FILENAMES &OPTIONAL (OUTPUT *STANDARD-OUTPUT*))
   (LET (DEFS)
        (DOLIST (FILENAME FILENAMES)
            (SETQ DEFS (NCONC (XREF-FILE FILENAME)
                              DEFS)))
        (SORT DEFS #'STRING< :KEY #'CAR)
        (IF (STREAMP OUTPUT)
            (XREF-OUTPUT DEFS OUTPUT)
            (WITH-OPEN-FILE (OUTPUT-STREAM OUTPUT :DIRECTION :OUTPUT)
                   (XREF-OUTPUT DEFS OUTPUT-STREAM)))
        (VALUES)))

(DEFUN XREF-FILE (FILENAME)
   (DECLARE (SPECIAL XREF-READTABLE))
   (WITH-OPEN-FILE (STRM FILENAME :DIRECTION :INPUT)
          (LET (FORM DEFS (FN (PATHNAME-NAME FILENAME)))
               (LOOP (WHEN (EQ (SETQ FORM (LET ((*READTABLE* XREF-READTABLE))
                                               (READ STRM NIL :EOF)))
                               :EOF)
                           (RETURN))
                     (WHEN (CONSP FORM)
                         (LET ((FIRSTWORD (STRING (FIRST FORM))))
                              (WHEN (AND (CONSP (REST FORM))
                                         (>= (LENGTH FIRSTWORD)
                                             3)
                                         (STRING= (SUBSEQ FIRSTWORD 0 3)
                                                  "DEF"))
                                    ;; Each definition is of the form (s . f) where s is the name of the symbol being defined and f is the file
                                    ;; name.
                                    (PUSH (CONS (FORMAT NIL "~a" (LET ((NAME (SECOND FORM)))
                                                                      (IF (CONSP NAME)
                                                                          (CAR NAME)
                                                                          NAME)))
                                                FN)
                                          DEFS)))))
               (NREVERSE DEFS))))

(DEFUN XREF-OUTPUT (DEFS OUTPUT-STREAM)
   (DOLIST (DEF DEFS)
       (FORMAT OUTPUT-STREAM "~a~50t~a~%" (CAR DEF)
               (CDR DEF))))

(DEFVAR XREF-READTABLE (LET ((RT (COPY-READTABLE NIL)))
                            (SET-SYNTAX-FROM-CHAR #\: #\_ RT)))
```

FUNCTION INDEX

XREF .....1 XREF-FILE .....1 XREF-OUTPUT 1

VARIABLE INDEX

XREF-READTABLE 1