

File created: 7-Jan-88 15:36:10 {ERINYES}<LispUsers>Lyric>DUMpload.;4

```
changes to: (FNS \DUMP.COPY \DUMP.PURGE DUMPREAD)
            (VARS DUMPLoadCOMS)
            (PROPS (DUMPREAD ARGNames))
```

```
previous date: 4-Dec-83 17:53:41 {ERINYES}<LISP>KOTO>LISPUSERS>DUMPLoad.;1
```

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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```
(RPAQQ DUMPCOMBS
[ (FNS DUMPCOMBS \DUMP.PARSEDATE \DUMP.PARSENAME \DUMP.COPY \DUMP.PURGE)
(DECLARE%: EVAL@COMPILE DONTCOPY (CONSTANTS * DUMPTYPES))
(PROP ARGUMENTS DUMPCOMBS)
(PROP FILETYPE DUMPCOMBS)
(DECLARE%: DONTVAL@LOAD DONTVAL@COMPILE DONTCOPY COMPILEVARS (ADDVARS (NLAMA)
(NLAML)
(LAMA DUMPCOMBS)))
```

(DEFINEQ

(DUMPREAD

```
[CL:LAMBDA (FILE &KEY ((:COPY-TO COPYFLG)
                        T)
              ((:ASK ASKFLG))
              ((:PRINT PRINTFLG)
               T)
              ((:DATES DATEFLG)
               T)
              (COLLECT NIL COLLECTP))
```

; Edited 7-Jan-88 14:28 by bvm:

```
(LET (STREAM OUTSTREAM)
  (CL:UNWIND-PROTECT
    (PROG ((*UPPER-CASE-FILE-NAMES* NIL)
      (*STANDARD-OUTPUT* (GETSTREAM T 'OUTPUT))
      (SEEFLG RESULT NAME CREATIONDATE KEYWORD TYPE)
      (IF (NULL COPYFLG)
        (ELSEIF (EQ COPYFLG T)
          THEN (SETQ SEEFLG T)
                (SETQ ASKFLG T)
                (SETQ COPYFLG NIL)
          (ELSEIF (NOT COLLECTP)
          THEN (SETQ COLLECT T))
        [SETQ KEYWORD (COND
          (SEEFLG (SETQ OUTSTREAM (GETSTREAM T 'OUTPUT))
            "See")
          (COPYFLG "Copy")
          (T (SETQ ASKFLG NIL)
            [SETQ STREAM (OPENSTREAM FILE 'INPUT 'OLD '((SEQUENTIAL T]
LP (SETQ TYPE (BIN STREAM))
TYPELP
  (SELECTC TYPE
    (\DUMP.END
      (RETURN RESULT)) ; End of file, return accumulated names, if we've been collecting
    (\DUMP.NAME (SETQ NAME (\DUMP.PARSENAME STREAM))
    (\DUMP.DATE (SETQ CREATIONDATE (\DUMP.PARSEDATE STREAM))
      ; Date is in alto format
      [SETQ CREATIONDATE (AND (OR DATEFLG COPYFLG)
        (GDATE (ALTO.TO.LISP.DATE CREATIONDATE)
          (DATEFORMAT TIME.ZONE))
      (\DUMP.ERROR (ERROR "Error block encountered in dump file" (FULLNAME STREAM)))
      (\DUMP.DATA [COND
        [(COND
          ((NULL NAME)
            (printout T "[Skipping nameless data...]" T)
            NIL)
          (ASKFLG (CL:Y-OR-N-P "~A ~A~@[ ~A~]?" " KEYWORD NAME
            CREATIONDATE))
          (T [COND
            (PRINTFLG (CL:FORMAT T "~A~@[ ~A~]" NAME CREATIONDATE)
              (COND
                (SEEFLG (printout T ':%: T))
                (COPYFLG (printout T " -> ")))
              (T (TERPRI T)
                T))
            [SETQ TYPE (COND
              (SEEFLG (PROG1 (\DUMP.COPY STREAM OUTSTREAM T)
                (COND
                  (PRINTFLG (printout T .TAB0 0 T))))))
              (COPYFLG [SETQ OUTSTREAM
```

```

                                (OPENSTREAM (PACKFILENAME.STRING
                                                'DIRECTORY COPYFLG
                                                'BODY NAME)
                                'OUTPUT NIL NIL
                                '( (SEQUENTIAL T)
                                   (CREATIONDATE ,CREATIONDATE])
                                (PROG1 (\DUMP.COPY STREAM OUTSTREAM)
                                   (SETQ NAME (CLOSEF OUTSTREAM))
                                   (SETQ OUTSTREAM NIL)
                                   (COND
                                    (PRINTFLG (printout T NAME T))))]
                                (T (\DUMP.PURGE STREAM]

                                (COND
                                 (COLLECT (push RESULT NAME]
                                 (T (SETQ TYPE (\DUMP.PURGE STREAM]
                                   (SETQ NAME (SETQ CREATIONDATE NIL))
                                   (GO TYPELP))
                                   (ERROR "Bad Block Type in dump file" (FULLNAME STREAM)))
                                (GO LP))

;; Be sure to clean up this stream on the way out
(IF (AND OUTSTREAM (NEQ COPYFLG T))
    THEN
      (DELFILE (CLOSEF OUTSTREAM))) ; Flush partially written copy
(AND STREAM (CLOSEF STREAM))))

```

```

(\DUMP.PARSEDATE
 [LAMBDA (INSTREAM)
  (PROG1 (\MAKENUMBER (\WIN INSTREAM)
                     (\WIN INSTREAM))
    (BIN INSTREAM)
    (BIN INSTREAM))]
 (* bvm%: " 2-Dec-83 18:22")
 ; Ignore two bytes

```

```

(\DUMP.PARSENAME
 [LAMBDA (INSTREAM)
  (BIN INSTREAM)
  (BIN INSTREAM)
  (PROG ((CHARS (bind CH until (EQ 0 (SETQ CH (BIN INSTREAM)))) collect CH))
    RESULT)
  (SETQ RESULT (ALLOCSTRING (LENGTH CHARS)))
  (for CH in CHARS as I from 1 do (RPLCHARCODE RESULT I CH))
  (RETURN RESULT])
 (* bvm%: " 2-Dec-83 18:26")
 ; Skip two bytes

```

```

(\DUMP.COPY
 [LAMBDA (INSTREAM OUTSTREAM TTYP)
  ;; Copy data blocks byte-by-byte from INSTREAM to OUTSTREAM. Return the type of the next block. TTYP is true if OUTSTREAM is the
  ;; terminal.
  (bind TYPE do (COPYBYTES INSTREAM OUTSTREAM (PROG1 (\WIN INSTREAM)
                                                       (BIN INSTREAM)
                                                       (BIN INSTREAM)))
               ; Length in bytes. Now skip checksum
               (BIN INSTREAM))

  repeatwhile (EQ (SETQ TYPE (BIN INSTREAM))
                 \DUMP.DATA)
  finally (RETURN TYPE])
 ; Edited 7-Jan-88 15:15 by bvm:

```

```

(\DUMP.PURGE
 [LAMBDA (STREAM)
  (do (SETFILEPTR STREAM (+ (PROG1 (\WIN STREAM)
                                   (BIN STREAM)
                                   (BIN STREAM))
                             (GETFILEPTR STREAM)))
    repeatwhile (EQ (SETQ $$VAL (BIN STREAM))
                   \DUMP.DATA])
  )
 ; Edited 7-Jan-88 15:31 by bvm:
 ; Second word is checksum, which ignore

```

```

(DECLARE%: EVAL@COMPILE DONTCOPY

```

```

(RPAQQ DUMPTYPES ((\DUMP.DATE 251)
                  (\DUMP.END 252)
                  (\DUMP.ERROR 253)
                  (\DUMP.DATA 254)
                  (\DUMP.NAME 255)))

```

```

(DECLARE%: EVAL@COMPILE

```

```

(RPAQQ \DUMP.DATE 251)

```

```

(RPAQQ \DUMP.END 252)

```

```

(RPAQQ \DUMP.ERROR 253)

```

```

{MEDLEY}<lispusers>DUMpload.;1

(RPAQQ \DUMP.DATA 254)

(RPAQQ \DUMP.NAME 255)

(CONSTANTS (\DUMP.DATE 251)
  (\DUMP.END 252)
  (\DUMP.ERROR 253)
  (\DUMP.DATA 254)
  (\DUMP.NAME 255))
)
)

(PUTPROPS DUMPREAD ARGNAMES (FILE &KEY :ASK :COPY-TO :DATES :PRINT :COLLECT))

(PUTPROPS DUMpload FILETYPE :COMPILE-FILE)

(DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVERS

(ADDTOTVAR NLAMA )

(ADDTOTVAR NLAML )

(ADDTOTVAR LAMA DUMPREAD)
)

(PUTPROPS DUMpload COPYRIGHT ("Xerox Corporation" 1983 1988))

```

FUNCTION INDEX

DUMPREAD1 \DUMP.COPY2 \DUMP.PARSEDATE ...2 \DUMP.PARSENAME ...2 \DUMP.PURGE2

CONSTANT INDEX

\DUMP.DATA3 \DUMP.DATE3 \DUMP.END3 \DUMP.ERROR3 \DUMP.NAME3

PROPERTY INDEX

DUMpload3 DUMPREAD3

VARIABLE INDEX

DUMPTYPES2
