


```

                                SOURCEFILE DESTFILE))
                                (CL:FUNCALL CF SOURCEFILE :OUTPUT-FILE DESTFILE))
                                T)
                                (PRINTOUT NIL T T "- - - End of " FILE " compilation - - -" T))
                                (AND DELETE-DCOMS? (DELFILE DESTFILE)))
(PRINTOUT NIL T T "=" = = = END OF FULL-SYSTEM COMPILATION RUN = = = =")
(SETQ COMPLETION 'SUCCESS))

;; cleanup forms
(PRINTOUT NIL T "Compilation status: " COMPLETION T T)
(DRIBBLE)
(WINDOWPROP (WFROMDS (TTYDISPLAYSTREAM)
'PAGEFULLFN NIL))
(SEND.FILE.TO.PRINTER DRIBBLE-FILE)
(AND DELETE-DRIBBLE? (DELFILE DRIBBLE-FILE)))

```

;; Function to identify all the source files on a given directory (useful for creating lists of things to compile)

(CL:DEFUN **FIND-ALL-SOURCE-FILES** (DIRECTORY)

;; Return a list of every file that has a compiled equivalent on DIRECTORY. This is a way of finding out what needs to be recompiled for a bulk compile.

```

(LET ((DFASLS (FOR FILENAME IN (DIRECTORY (PACKFILENAME 'DIRECTORY DIRECTORY 'BODY "*.DFASL;"))
COLLECT (UNPACKFILENAME FILENAME 'NAME)))
(LCOMS (FOR FILENAME IN (DIRECTORY (PACKFILENAME 'DIRECTORY DIRECTORY 'BODY "*.LCOM;"))
COLLECT (UNPACKFILENAME FILENAME 'NAME))))
(UNION (INTERSECTION DFASLS DFASLS)
(INTERSECTION LCOMS LCOMS)))

```

(DEFINEQ

(**FIND-UNCOMPILED-FILES**

(LAMBDA (SRCDIR DESTDIR) ; Edited 16-Nov-94 16:23 by jds

```

(LET ((SRCFILES (DIRECTORY (PACKFILENAME 'DIRECTORY SRCDIR 'BODY '*.\;)))
(SFILE DFILE)
(|for| FILE |in| SRCFILES |do| (SETQ SFILE (UNPACKFILENAME FILE 'NAME))
(COND
((AND (SETQ DFILE (FINDFILE-WITH-EXTENSIONS SFILE (LIST DESTDIR)
'DFASL LCOM))
(ILESSP (GETFILEINFO DFILE 'ICREATIONDATE)
(GETFILEINFO FILE 'ICREATIONDATE)))
(PRINTOUT T FILE " needs compiling." T))
(NOT DFILE)
(PRINTOUT T FILE " has no compiled version." T))))))

```

)

;; Misc utility functions from the big Lyric recompiles.

(DEFINEQ

(**NEWERDCOMS?**

(LAMBDA (DIRPAIRS EXTENSIONS FILTER) ; Edited 9-Dec-86 21:39 by bvm

```

(OR DIRPAIRS (SETQ DIRPAIRS '({ERIS}<LISPCORE>NEWSTRING>SOURCES> {ERIS}<LISPCORE>SOURCES>
({ERIS}<LISPCORE>NEWSTRING>LIBRARY> {ERIS}<LISPCORE>LIBRARY>
({ERIS}<LISPCORE>NEWSTRING>INTERNAL>LIBRARY> {ERIS}<LISPCORE>INTERNAL>LIBRARY>
))))
(OR EXTENSIONS (SETQ EXTENSIONS '(LCOM DCOM)))
(|for| PAIR |in| DIRPAIRS
|join| (RESETLST
(LET ((THISDIR (CAR PAIR))
(OTHERDIR (CADR PAIR))
(THISEXT (CAR EXTENSIONS))
(OTHEREXT (CADR EXTENSIONS))
NEXT DT OTHERFILE OTHERDT OTHERWDT THISAUTHOR DIRPRINTED GEN)
(SETQ GEN (\\GENERATEFILES (PACKFILENAME.STRING 'DIRECTORY THISDIR 'NAME "*" 'EXTENSION
THISEXT 'VERSION ""))
' (ICREATIONDATE)
' (RESETLST)))
(|while| (SETQ NEXT (\\GENERATENEXTFILE GEN)) |eachtime| (SETQ OTHERWDT NIL)
|when| (AND (SETQ OTHERFILE (INFILEP (PACKFILENAME.STRING 'DIRECTORY OTHERDIR
'EXTENSION OTHEREXT 'VERSION NIL 'BODY NEXT))
)
(SETQ DT (\\GENERATEFILEINFO GEN 'ICREATIONDATE))
(OR (AND (SETQ OTHERDT (GETFILEINFO OTHERFILE 'ICREATIONDATE))
(< DT OTHERDT))
(AND (SETQ OTHERWDT (GETFILEINFO OTHERFILE 'IWRITEDATE))
(< DT OTHERWDT)))
(OR (NULL FILTER)
(CL:FUNCALL FILTER NEXT OTHERFILE DT OTHERDT OTHERWDT GEN)))
|collect| (|if| (NOT DIRPRINTED)
|then| (|printout| T T " THISDIR 18 "This Date" 38 "Other Date" 58
"Author" T)
(SETQ DIRPRINTED T))
(|printout| T (SUBSTRING NEXT (STRPOS THISDIR NEXT 1 NIL T T UPPERCASEARRAY))

```

```

18
(GDATE DT)
38
(GDATE OTHERDT)
58)
(|if| OTHERWDT
|then| (|printout| T (GDATE OTHERWDT)
" ")
(|printout| T (GETFILEINFO OTHERFILE 'AUTHOR)
T)
(FILENAMEFIELD NEXT 'NAME))))))

```

(NEWERSOURCES?

```

(LAMBDA (DIRPAIRS FILTER) ; Edited 9-Dec-86 23:07 by bvm
(OR DIRPAIRS (SETQ DIRPAIRS '({ERIS}<LISPCORE>NEWSTRING>SOURCES> {ERIS}<LISPCORE>SOURCES>
({ERIS}<LISPCORE>NEWSTRING>LIBRARY> {ERIS}<LISPCORE>LIBRARY>
({ERIS}<LISPCORE>NEWSTRING>INTERNAL>LIBRARY> {ERIS}<LISPCORE>INTERNAL>LIBRARY>
))))
(|for| PAIR |in| DIRPAIRS
|do| (RESETLST
(LET ((THISDIR (CAR PAIR))
(OTHERDIR (CADR PAIR))
NEXT DT THISFILE THISDT WDT DIRPRINTED GEN)
(SETQ GEN (\\GENERATEFILES (PACKFILENAME.STRING 'DIRECTORY OTHERDIR 'NAME "*" 'VERSION " ")
' (ICREATIONDATE IWRTEDATE AUTHOR)
' (RESETLST)))
(|while| (SETQ NEXT (\\GENERATENEXTFILE GEN)) |eachtime| (SETQ THISDT (SETQ WDT (SETQ DT NIL)))
|when| (AND (SETQ DT (\\GENERATEFILEINFO GEN 'ICREATIONDATE))
(OR (NULL (SETQ THISFILE (INFILEP (PACKFILENAME.STRING 'DIRECTORY THISDIR
'EXTENSION COMPILE.EXT 'VERSION NIL
'BODY NEXT))))
(AND (SETQ THISDT (GETFILEINFO THISFILE 'ICREATIONDATE))
(OR (> DT THISDT)
(AND (SETQ WDT (\\GENERATEFILEINFO GEN 'IWRTEDATE))
(> WDT THISDT))))))
(OR (NULL FILTER)
(CL:FUNCALL FILTER NEXT THISFILE DT WDT THISDT GEN)))
|do| (|if| (NOT DIRPRINTED)
|then| (|printout| T T " " OTHERDIR 18 " Its Date" 38 " Other Date" 58 "Author" T
)
(SETQ DIRPRINTED T))
(OR (GET (NAMEFIELD NEXT)
'FILEDATES)
(PRIN1 "+" T))
(|printout| T (SUBSTRING NEXT (STRPOS OTHERDIR NEXT 1 NIL T T UPPERCASEARRAY))
18
(GDATE DT)
38
(|if| THISDT
|then| (GDATE THISDT)
|else| " - - -")
58)
(|if| WDT
|then| (|printout| T (GDATE WDT)
" "))
(|printout| T (\\GENERATEFILEINFO GEN 'AUTHOR)
T))))))

```

(SETUP-FOR-RECOMPILE

```

(LAMBDA NIL ; Edited 8-Dec-86 21:23 by jop:
; So we don't get alot of warnings
; So we don't get asked stupid questions
; setup up new compiled file version
(SETQ *REMOVE-INTERLISP-COMMENTS* NIL)
(SETQ CROSSCOMPILING T)
(PUTPROP ' :D4 'CODEREADER (COPYALL (GETPROP 'D1 'CODEREADER)))
(RPAQQ CODEINDICATOR :D4)
(RPAQQ COMPILE.EXT LCOM) ; Smash garbage collectable opcodes
(SMASH-OPCODES GARBAGE-OPCODES) ; Setup for unwind recompile
(LOAD ' {ERIS}<LISPCORE>NEWSTRING>SOURCES>UNWINDMACROS 'SYSLOAD)
; may not be necessary
; Setup for new string recompile
(LOAD ' {ERIS}<LISPCORE>NEWSTRING>SOURCES>PROC 'PROP)
(LOAD ' {ERIS}<LISPCORE>NEWSTRING>SOURCES>LLCHAR 'PROP)
(REMPROP 'STRINGP 'DOPVAL) ; to get correct record def's
(LOAD ' {ERIS}<LISPCORE>SOURCES>CMLARRAY 'PROP) ; Setup for new stream record
(LOAD ' {ERIS}<LISPCORE>NEWSTRING>SOURCES>FILEIO 'PROP) ; To setup packaged global type number vars
(LOAD ' {ERIS}<LISPCORE>NEWSTRING>SOURCES>DTDECLARE.DCOM 'SYSLOAD) ; hack for typep - not needed if makesysdate > Nov 23
(CL:DEFTYPE :DATATYPE (OBJECT)
'DATATYPE ,OBJECT))
(WBREAK NIL) ; dribble hack
(LOAD ' {ERIS}<LISPCORE>SOURCES>XCL-PACKAGE.DCOM) ; So the debuuger will compile
(LOADFNS '\\CONVERT.FLOATING.NUMBER ' {ERIS}<LISPCORE>SOURCES>LLFLOAT.DCOM)) ; To fix the broken FP printer

```

(SMASH-OPCODES

```

(LAMBDA (OPCODE-ALIST) ; Edited 24-Nov-86 17:56 by jop:

```

```
(LET (OPNUMBER)
  (CL:DOLIST (OPCODE OPCODE-ALIST)
    (SETQ OPNUMBER (CADR OPCODE))
    (CL:NSUBSTITUTE-IF (LIST OPNUMBER ' :UNUSED)
      (FUNCTION (CL:LAMBDA (OP)
        (EQL (CAR OP)
          OPNUMBER))))
    \\OPCODES :COUNT 1)
  (SETQ \\OPCODEARRAY NIL))))
```

(GET-DIRECTORY-LISTING

```
(LAMBDA (DIRECTORY EXTENSION) ; Edited 24-Nov-86 18:14 by jop:
  ([for] X [infiles] (DIRECTORY.FILL.PATTERN DIRECTORY (OR EXTENSION ""))
    " ")
  [collect] (FILENAMEFIELD X 'NAME))))
```

(GET-OPEN-FILES

```
(LAMBDA (DEVICE-NAME) ; Edited 25-Nov-86 18:16 by jop:
  (FETCH (FDEV OPENFILELST) OF (CDR (ASSOC DEVICE-NAME \\DEVICENAMETODEVICE))))
```

)

:: Control variables

(RPAQQ FILES-IN-FULL.SYSOUT

```
(PACKAGE-STARTUP LLPACKAGE LLSYMBOL CMLARRAY CMLLIST CMLMACROS DMISC COMPATIBILITY APUTDQ LLDISPLAY FONT
  PASSWORDS LEAF PUP LLEATHER PROC ERROR-RUNTIME DEFSTRUCT-RUN-TIME BOOTSTRAP MISC AINTERRUPT AERROR
  ABASIC APRINT ATERM MOD44IO VANILLADISK PMAP ADIR AOFD COREIO IOCHAR LLCODE ATBL DTDECLARE ASTACK
  LLTIMER LLKEY LLDATATYPE LLSTK LLCHAR LLREAD LLBIGNUM LLFLOAT LLARITH LLARRAYELT LLMVS LLINTERP
  LLGC LLBASIC IMAGEIO FILEIO LLNEW LLBFS LLSUBRS LLFAULT PACKAGE-CONVERSION-TABLE ACODE
  MACHINEINDEPENDENT POSTLOADUP DEFPACKAGE-IMPORT XCL-PACKAGE LISP-PACKAGE FASL-PACKAGE
  COMPILER-PACKAGE BSP DPUPFTP CMLCHARACTER CMLREADTABLE STACKFNS CMLMVS MACROS MACROAUX CMLSYMBOL
  CMLHASH CMLDEFFER CMLPROGV CMLEVAL COMMON CMLSPECIALFORMS CONDITION-HIERARCHY XCLC-RUNTIME
  CMLTYPES CL-ERROR AFONT EDIT WEDIT PRETTY DSPRINTDEF NEWPRINTDEF FONTPROFILE SPELLFILE PRINTFN
  ADVISE LOADFNS DIRECTORY FILEPKG RESOURCE DLAP BYTECOMPILER COMPILER HIST UNDO SPELL DWIM WTFIX
  CLISP DWIMIFY CLISPIFY RECORD ASSIST ASKUSER CMLUNDO CMLEXEC DEBUGGER TRACE CMLDOC CMLPARSE
  CMLSETF CMLPRED CMLARRAY-OPTIMIZERS CMLREAD CMLWALK CMLSEQCOMMON CMLSEQBASICS CMLSEQMAPPERS
  CMLSEQMODIFY CMLSEQFINDER CMLSORT CMLSEQ CMLARITH DEFSTRUCT CMLMISC CMLCOMPILER CMLSTRING
  CLSTREAMS CMLDESTRUCT CMLFORMAT CMLENVIRONMENT CMLPRINT CMLLOAD CMLFILESYS CMLFLOAT CMLTIME
  CMLRAND CMLMODULES ADDARITH READ-PRINT-PROFILE CMLPATHNAME HPRINT MSANALYZE MSPARSE MASTERSCOPE
  AARITH ADISPLAY HLDISPLAY MENU WINDOWOBJ WINDOWSCROLL WINDOW WINDOWICON ATTACHEDWINDOW XXGEOM
  XXFILL DEXEC INSPECT TWODINSPECTOR FREEMENU CMLARRAYINSPECTOR EDITINTERFACE TTYIN DISKDLION
  DOVINPOTPUTOUT DOVEDISK DOVEDISPLAY DOVEMISC DOVEETHER DOVEFLOPPY LOCALFILE DSKDISPLAY 10MBDRIVER
  LLNS TRSERVER SPP COURIER NSPRINT CLEARINGHOUSE NSFILING HARDCOPY INTERPRESS FLOPPY IDLER ICONW
  SEDIT-ATOMIC SEDIT-COMMANDS SEDIT-COMMENTS SEDIT-LINEAR SEDIT-LISTS SEDIT-TERMINAL SEDIT-TOPLEVEL
  SEDIT-WINDOW SEDIT D-ASSEM-PACKAGE D-ASSEM FASL XCLC-READER XCLC-ENV-CTXT XCLC-TREES
  XCLC-TOP-LEVEL XCLC-ALPHA XCLC-ANALYZE XCLC-META-EVAL XCLC-ANNOTATE XCLC-GENCODE XCLC-PEEPHOLE
  XCLC-DATABASE XCL-COMPILER CMLPACKAGE GIVE-AND-TAKE CHATTERMINAL DMCHAT CHAT PUPCHAT NSCHAT PRESS
  PUPPRINT TEDITDECLS TEXTOFD TEDITCOMMAND TEDITSCREEN TEDITABBREV TEDITLOOKS TEDITFIND TEDITHISTORY
  TEDITFILE TEDITWINDOW TEDITSELECTION READNUMBER EDITBITMAP IMAGEOBJ TFBRAVO TEDITHCPY TEDITPAGE
  TEDITMENU TEDITFNKEYS TEDIT HRULE TEDITCHAT GRAPEVINE MAILCLIENT NSMAIL LAFITEBROWSE LAFITESEND
  LAFITEMAIL LAFITE TABLEBROWSER FILEBROWSER REMOTEVMEM VMEM READSYS RDSYS TELERAID GRAPHER SPY
  AREDIT HASH WHEREIS COPYFILES))
```

(RPAQQ FILES-IN-LIBRARY

```
(4045XLPDEFAULTPRINTER 4045XLPSTREAM ARCLEANUP AREDIT BROWSER BSEARCH CENTRONICS CHARCODETABLES CHAT
  CHATDECLS CHATTERMINAL CLMAIL CML CMLARRAYINSPECTOR CMLDEBUGGER CMLFLOATARRAY CMLHELP COLOR
  COLORDEMO CONDITIONGRAPH COPYFILES DANDELIONKEYBOARDS DATABASEFNS DAYBREAKKEYBOARDS DEDIT DES
  DICOLOR DINFO DLRS232C DLTTY DMCHAT DO-TEST DORADOCOLOR DORADOKEYBOARDS DOVEKEYBOARDS DOVERS232C
  DSKTEST EDITBITMAP ETHERRECORDS FASTFX80STREAM FILEBROWSER FILECACHE FILECACHE-BROWSER
  FILECACHE-DECLS FILECACHE-HOSTUP FILECACHE-SCAVENGE FILENAMES FONTSAMPLE FTPSERVER FX80STREAM
  FXPRINTER GCHAX GIVE-AND-TAKE GRAPEVINE GRAPHER GRAPHZOOM HASH HELPSYS HRULE IMAGEOBJ KERMIT
  KERMITMENU KEYBOAREDITOR LAFITE LAFITEBROWSE LAFITEDECLS LAFITEFIND LAFITEMAIL LAFITESEND
  LAMBDASTRAN LISPDIAGNOSTICS LLCOLOR MACROTEST MACROTESTAUX MAILCLIENT MAILSCAVENGE MAINTAIN MATMULT
  MERGE-FILEGEN MESATYPES MINISERVE MSHASH NEWDEBUG NSCHAT NSCHATSERVER NSMAIL NSMAINTAIN
  NSTOASCIIDISPLAYFONT PCALLSTATS PCE PCEDISPLAY PCEERD PCEFLOPPY PCEKEYBOARD PCEWINDOW PCMEMTEST
  PIXELBLT PUPCHAT PUPIDSERVER RDSYS READAIS READNUMBER READSYS REMOTEVMEM RS232CHAT RS232CHATSERVER
  RS232CMENU SAMEDIR SCALEBITMAP SFFONT SIMPLIFY SKETCHCOLOR SKETCHSTREAM SPY SYSEDT TABLEBROWSER
  TABLEBROWSERDECLS TCP TCPCHAT TCPCONFIG TCPDEBUG TCPFTP TCPHTE TCPLLAR TCPLLICMP TCPLLIP TCPNAMES
  TCPFTTP TCPUPD TEDIT TEDITABBREV TEDITCHAT TEDITCOLOR TEDITCOMMAND TEDITDECLS TEDITFILE TEDITFIND
  TEDITFNKEYS TEDITHCPY TEDITHISTORY TEDITKEY TEDITLOOKS TEDITMENU TEDITPAGE TEDITPAGINATE
  |TeditPartOne| |TeditPartTwo| TEDITSCREEN TEDITSELECTION TEDITWINDOW TEK4010 TEK4010CHAT TELERAID
  TEXEC TEXTOFD TFBRAVO TYCHAT TWODINSPECTOR VIRTUALKEYBOARDS VMEM VPCDISK VT100KP VTCHAT WHEREIS
  4045STREAM BUSCOLOR BUSEXTENDER BUSMASTER BUSMASTERARRAYBASE BUSTEST C150STREAM COLORNNCC COLOROBJ
  COLORPOLYGONS DANDELIONUFO DANDELIONUFO4096 IRISCONSTANTS IRISIO IRISLIB IRISNET IRISSTREAM
  LOADIRIS))
```

(RPAQQ FILES-IN-LISP.SYSOUT

```
(PACKAGE-STARTUP LLPACKAGE LLSYMBOL CMLARRAY CMLLIST CMLMACROS DMISC COMPATIBILITY APUTDQ LLDISPLAY FONT
  PASSWORDS LEAF PUP LLEATHER PROC ERROR-RUNTIME DEFSTRUCT-RUN-TIME BOOTSTRAP MISC AINTERRUPT AERROR
  ABASIC APRINT ATERM MOD44IO VANILLADISK PMAP ADIR AOFD COREIO IOCHAR LLCODE ATBL DTDECLARE ASTACK
  LLTIMER LLKEY LLDATATYPE LLSTK LLCHAR LLREAD LLBIGNUM LLFLOAT LLARITH LLARRAYELT LLMVS LLINTERP
  LLGC LLBASIC IMAGEIO FILEIO LLNEW LLBFS LLSUBRS LLFAULT PACKAGE-CONVERSION-TABLE ACODE
  MACHINEINDEPENDENT POSTLOADUP DEFPACKAGE-IMPORT XCL-PACKAGE LISP-PACKAGE FASL-PACKAGE
  COMPILER-PACKAGE BSP DPUPFTP CMLCHARACTER CMLREADTABLE STACKFNS CMLMVS MACROS MACROAUX CMLSYMBOL
```

CMLHASH CMLDEFFER CMLPROGV CMLEVAL COMMON CMLSPECIALFORMS CONDITION-HIERARCHY
CONDITION-HIERARCHY-SI CONDITION-HIERARCHY-POST-SI CONDITION-HIERARCHY-IL XCLC-RUNTIME CMLTYPES
CL-ERROR AFONT EDIT WEDIT PRETTY DSPRINTDEF NEWPRINTDEF FONTPROFILE SPELLFILE PRINTFN ADVISE
LOADFNS DIRECTORY FILEPKG RESOURCE DLAP BYTECOMPILER COMPILER HIST UNDO SPELL DWIM WFIX CLISP
DWIMIFY CLISPIFY RECORD ASSIST ASKUSER CMLUNDO CMLEXEC DEBUGGER TRACE CMLDOC CMLPARSE CMLSETF
CMLPRED CMLARRAY-OPTIMIZERS CMLREAD CMLWALK CMLSEQCOMMON CMLSEQBASICS CMLSEQMAPPERS CMLSEQMODIFY
CMLSEQFINDER CMLSORT CMLSEQ CMLARITH DEFSTRUCT CMLMISCIO CMLCOMPILER CMLSTRING CLSTREAMS
CMLDESTRUCT CMLFORMAT CMLENVIRONMENT CMLPRINT CMLLOAD CMLFILESYS CMLFLOAT CMLTIME CMLRAND
CMLMODULES ADDARITH READ-PRINT-PROFILE CMLPATHNAME HPRINT MSANALYZE MSPARSE MASTERSCOPE AARITH
ADISPLAY HLDISPLAY MENU WINDOWOBJ WINDOWSCROLL WINDOW WINDOWICON ATTACHEDWINDOW XXGEOM XXFILL
DEXEC INSPECT TWODINSPECTOR FREEMENU CMLARRAYINSPECTOR EDITINTERFACE TTYIN DISKDLION
DOVEINPUTOUTPUT DOVEDISK DOVEDISPLAY DOVEMISC DOVEETHER DOVEFLOPPY LOCALFILE DSKDISPLAY 10MBDRIVER
LLNS TRSERVER SPP COURIER NSPRINT CLEARINGHOUSE NSFILING HARDCOPY INTERPRESS FLOPPY IDLER ICONW
SEDIT-ATOMIC SEDIT-COMMANDS SEDIT-COMMENTS SEDIT-LINEAR SEDIT-LISTS SEDIT-TERMINAL SEDIT-TOPLEVEL
SEDIT-WINDOW SEDIT D-ASSEM-PACKAGE D-ASSEM FASL XCLC-READER XCLC-ENV-CTXT XCLC-TREES
XCLC-TOP-LEVEL XCLC-ALPHA XCLC-ANALYZE XCLC-META-EVAL XCLC-ANNOTATE XCLC-GENCODE XCLC-PEEPHOLE
XCLC-DATABASE XCL-COMPILER CMLPACKAGE))

(RPAQQ FILES-IN-SOURCES

(ADVISE AFONT BREAK-AND-TRACE CL-ERROR CLOSURE-CACHE CMLDEFFER CMLENVIRONMENT CMLPACKAGE CMLSETF
CMLSMARTARGS CMLUNDO DEBUGGER DEFSTRUCT DESCRIBE ERROR-RUNTIME-AFTER-FASL FASDUMP HPRINT
IMPLICIT-KEY-HASH SEDIT-ACCESS SEDIT-ATOMIC SEDIT-BASE SEDIT-COMMANDS SEDIT-COMMENTS SEDIT-EXPORTS
SEDIT-INDENT SEDIT-LINEAR SEDIT-LIST-FORMATS SEDIT-LISTS SEDIT-TERMINAL SEDIT-TOPLEVEL
SEDIT-WINDOW SEDIT WALKER XCL-EXTRAS XCLC-DATABASE XCLC-OPTIMIZERS XCLC-TOP-LEVEL XCLC-TREES
10MBDRIVER AARITH ABASIC ACODE ADDARITH ADIR ADISPLAY AERROR AINTERRUPT AOFD APRINT APUTDQ ARGLIST
ASKUSER ASTACK ATBL ATERM ATTACHEDWINDOW AUTHENTICATION NSFILING BOOTSTRAP BSP BYTECOMPILER
CLEARINGHOUSE CLISP CLISPIFY CLSTREAMS CMLARITH CMLARRAY-SUPPORT CMLARRAY CMLARRAYINSPECTOR
CMLCHARACTER CMLCOMPILER CMLDESTRUCT CMLDOC CMLEVAL CMLEXEC CMLFILESYS CMLFLOAT CMLFORMAT CMLHASH
CMLLIST CMLLOAD CMLMACROS CMLMISCIO CMLMODULES CMLMVS CMLPARSE CMLPATHNAME CMLPRED CMLPRINT
CMLPROGV CMLRAND CMLREAD CMLREADTABLE CMLSEQ CMLSEQBASICS CMLSEQCOMMON CMLSEQFINDER CMLSEQMAPPERS
CMLSEQMODIFY CMLSORT CMLSPECIALFORMS CMLSTEP CMLSTRING CMLSYMBOL CMLTIME CMLTYPES COMMON COMPARE
COMPATIBILITY COMPILER-PACKAGE CONDITION-HIERARCHY-IL CONDITION-HIERARCHY-POST-SI
CONDITION-HIERARCHY-SI CONDITION-HIERARCHY CONDITION-PACKAGE COREIO COROUTINE COURIER
D-ASSEM-PACKAGE D-ASSEM DEBUGEDIT DEFFER-RUNTIME DEFPACKAGE-IMPORT DEFSTRUCT-RUN-TIME DEXEC
DIRECTORY DISKDLION DLAP DLFIXINIT DMISC DOVEDISK DOVEDISPLAY DOVEETHER DOVEFLOPPY DOVEINPUTOUTPUT
DOVEMISC DPUPFTP DSKDISPLAY DSPRINTDEF DTDECLARE DWIM DWIMIFY EDIT EDITINTERFACE ERROR-RUNTIME
EXEC-COMMANDS FASL-PACKAGE FASLOAD FILEIO FILEPKG FLOPPY FONT FONTPROFILE FREEMENU GAINSPACE
HARDCOPY HIST HLDISPLAY ICONW IDLER IL-ERROR-STUFF IMAGEIO INSPECT-CLOSURE INSPECT INTERPRESS
IOCHAR LEAF LISP-PACKAGE CMLWALK DEBUGGER-EVAL DOVEVMEMSIZEPATCH SEDIT-CONVERT SEDIT-DEBUG
SEDIT-LOAD LLARITH LLARRAYELT LLBASIC LLBFS LLBIGNUM LLCHAR LLCODE LLDATATYPE LLDISPLAY LLERROR
LLETHAR LLFAULT LLFLOAT LLGC LLINTERP LLKEY LLMVS LLNEW LLNS LLPACKAGE LLREAD LLRESTART LLSTK
LLSUBRS LLSYMBOL LLTIMER LOADFNS LOCALFILE LOGOW LYRIC-PATCH-1 MACHINEINDEPENDENT MACROAUX MACROS
MAKEINIT MEM MENU MISC MOD44IO NEWPRINTDEF NSPRINT PACKAGE-CONVERSION-TABLE PACKAGE-STARTUP PAINTW
PASSWORDS PMAP POSTLOADUP PRETTY PRINTFN PROC PROFILE PUP READ-PRINT-PROFILE RECORD RENAMFN
RESOURCE SETF-RUNTIME SPELL SPELLFILE SPP STACKFNS SYSPRETTY TIME TRSERVER TTYIN TWODINSPECTOR
UNDO UNWINDMACROS VANILLADISK WEDIT WINDOW WINDOWICON WINDOWOBJ WINDOWSCROLL WRAPPERS WFIX
XCL-COMPILER XCL-PACKAGE XCLC-ALPHA XCLC-ANALYZE XCLC-ANNOTATE XCLC-ENV-CTXT XCLC-GENCODE
XCLC-META-EVAL XCLC-PEEPHOLE XCLC-RUNTIME XCLC-TRANSFORMS XXFILL XXGEOM))

(RPAQQ FORKED-FILES

(ABC APUTDQ ASTACK CMLEVAL CMLMVS DEFPACKAGE-IMPORT DLAP DTDECLARE DWIMIFY FILEIO FILESETS
LLBASIC LLCHAR LLCODE LLDATATYPE LLINTERP LLNEW LLSTK MACHINEINDEPENDENT MACROS MISC
PACKAGE-STARTUP PROC UNWINDMACROS XCL-PACKAGE))

(RPAQQ GARBAGE-OPCODES

((BOUT 33)
(DOCOLLECT 36)
(ENDCOLLECT 37)
(GETP 27)
(GETHASH 29)
(ELT 40)
(NTHCHC 41)
(SETA 42)
(RPLCHARCODE 43)
(EVALV 45)
(ATOMNUMBER 112)
(GETBASEFIXP.N 203)
(PUTBASEFIXP.N 204))

:: Utilities for making mass-scale fixups to a library of files.

(DEFINEQ

(FIX-FILES

(CL:LAMBDA (FILENAMES SOURCEDIR DESTDIR &OPTIONAL (DRIBBLE-FILE '{DSK6}BIGCOMP.DRIBBLE)
DELETE-DRIBBLE? RECORDS-TO-FIX) ; Edited 15-Aug-90 12:02 by jds

:: Make large-scale fix-ups to a bunch of files.

(CL:BLOCK FIX-FILES
(LET ((COMPLETION 'ERROR)
(NUM-FILES (LENGTH FILENAMES)))
(IDLE.SET.OPTION 'TIMEOUT T)
(SETQ NOSPELLFLG T)
(SETQ DWIMIFYCOMPFLG NIL)
(CL:UNWIND-PROTECT
(PROGN (DRIBBLE DRIBBLE-FILE)
(WINDOWPROP (WFROMDS (TTYDISPLAYSTREAM))
'PAGEFULLFN

```

'NIL)
(CNDR DESTDIR)
(PRINTOUT NIL "= = = = Setting up for large-scale fix-up run on " (DATE)
" = = = = " T T)
(|for| FILE |in| FILENAMES |as| FILE-NUM |from| 1
|do| (DSPNEWPAGE (GETSTREAM NIL 'OUTPUT))
(LET* ((SOURCEFILE (PACKFILENAME 'BODY FILE 'DIRECTORY SOURCEDIR))
(DESTFILE (PACKFILENAME 'BODY FILE 'DIRECTORY DESTDIR)))
(RESETLST
(PRINTOUT NIL T "Fixing file " SOURCEFILE " at " (DATE)
" - - -" T)
(PRINTOUT NIL T "(File number " FILE-NUM " of " NUM-FILES ": "
(- NUM-FILES FILE-NUM)
" left)" T T)
(PRINT (FIX-FILE FILE RECORDS-TO-FIX)
T)
(PRINTOUT NIL T T "- - - End of " FILE " fix-up - - -" T)))
(PRINTOUT NIL T T "= = = = END OF CLEANUP RUN = = = =")
(SETQ COMPLETION 'SUCCESS))
(PRINTOUT NIL T "Fix-up status: " COMPLETION T T)
(DRIBBLE)
(WINDOWPROP (WFROMDS (TTYDISPLAYSTREAM)
'PAGEFULLFN NIL))
(SEND.FILE.TO.PRINTER DRIBBLE-FILE)
(AND DELETE-DRIBBLE? (DELFILE DRIBBLE-FILE))))))

```

(FIX-FILE

(LAMBDA (FILE RECORD-NAMES MAKEFILE-ONLY?) ; Edited 21-Jan-93 16:30 by jds

```

;; Perform cleanup tasks on FILE.
(LOAD FILE 'PROP)
(LOADCOMP FILE 'PROP)
;; (FIX-COPYRIGHT FILE)
(AND (FILEFNSLST FILE)
(|for| RECNAME |in| (APPEND (FILECOMSLST FILE 'RECORDS)
RECORD-NAMES)
|do| (QUALIFY-FIELDS RECNAME FILE)))
(MARKASCHANGED FILE 'FILES)
(COND
(MAKEFILE-ONLY? (MAKEFILE FILE))
(T (APPLY* 'CLEANUP FILE))))

```

(FIX-COPYRIGHT

```

(LAMBDA (FILENAME)
(LET ((CR (GETPROP FILENAME 'COPYRIGHT)))
(COND
(CR (RPLACA CR "Venue & Xerox Corporation"))
(T (PUTPROP FILENAME 'COPYRIGHT (LIST "Venue" 1990))))))

```

(FIX-FILE-COPYRIGHT

```

(LAMBDA (FILE)
(LOADFROM FILE NIL 'PROP)
(FIX-COPYRIGHT FILE)
(MARKASCHANGED FILE 'FILES)
(APPLY* 'CLEANUP FILE))

```

(QUALIFY-FIELDS

```

(LAMBDA (RECNAME FILE) ; Edited 28-Sep-87 14:41 by bvm:
(APPLY* 'EDITFNS FILE `(LPQ F ((*ANY* FETCH |fetch| REPLACE |replace| FFETCH |ffetch| FREPLACE |freplace|
/REPLACE |/replace|)
(*ANY* ,@(APPEND (RECORDFIELDNAMES RECNAME)))
--))
2
(MBD ,RECNAME)
0 P)))

```

(FIX-TEDIT

(LAMBDA (FILE) ; Edited 17-Aug-90 16:07 by jds

```

(LET ((STRM (OPENTEXTSTREAM (MKATOM FILE))))
(TEDIT.SUBLOOKS STRM '(FAMILY OPTIMA)
'(FAMILY CLASSIC))
(TEDIT.PUT STRM FILE)
(CLOSEF STRM)))

```

(FIX-DOCS

```

(LAMBDA (DIRECTORY)
(LET ((FILES (|for| FILE |in| (DIRECTORY (CONCAT DIRECTORY "*.TEDIT;")) |collect| (PACKFILENAME.STRING
'VERSION NIL 'BODY FILE))))
(|for| FILE |in| FILES |do| (FIX-TEDIT FILE))))

```

```
{MEDLEY}<internal>MULTI-COMPILE.;1
```

```
)
```

```
:: Removes bogus (CLISP <clisp xlation> <real-code>) translations that result from CLISPARRAY being NIL.
```

```
(DEFINEQ
```

```
(CLFIX
```

```
(LAMBDA (FILE)
```

```
(APPLY* 'EDITFNS FILE '(LPQ F CLISP\ 1 D D 0 P))))
```

```
; Edited 9-Sep-94 11:57 by jds
```

```
)
```

```
(PUTPROPS MULTI-COMPILE FILETYPE CL:COMPILE-FILE)
```

```
(DECLARE\ : DONTVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVERS
```

```
(ADDTOVAR NLAMA )
```

```
(ADDTOVAR NLAML )
```

```
(ADDTOVAR LAMA FIX-FILES)
```

```
)
```

```
(PUTPROPS MULTI-COMPILE COPYRIGHT ("Venue & Xerox Corporation" 1988 1990 1991 1992 1993 1994 2021))
```

FUNCTION INDEX

BIGCOMP	1	FIX-DOCS	6	GET-DIRECTORY-LISTING ...	4	SETUP-FOR-RECOMPILE	3
CLFIX	7	FIX-FILE	6	GET-OPEN-FILES	4	SMASH-OPCODES	3
FIND-ALL-SOURCE-FILES ...	2	FIX-FILE-COPYRIGHT	6	NEWERDCOMS?	2		
FIND-UNCOMPILED-FILES ...	2	FIX-FILES	5	NEWSOURCES?	3		
FIX-COPYRIGHT	6	FIX-TEDIT	6	QUALIFY-FIELDS	6		

VARIABLE INDEX

FILES-IN-FULL.SYSOUT	4	FILES-IN-LISP.SYSOUT	4	FORKED-FILES	5
FILES-IN-LIBRARY	4	FILES-IN-SOURCES	5	GARBAGE-OPCODES	5

PROPERTY INDEX

MULTI-COMPILE	7
---------------------	---
