```
(RPAQQ CHECKSETCOMS ((* making sure files are up to date)
                     (FNS CHECKSET CHECKSET1 CSETASK COMPFILES)
                     (LOCALVARS . T)
                     (GLOBALVARS COMPILE.EXT FILERDTBL DWIMWAIT)))


            (* * making sure files are up to date)

(DEFINEQ
```

(**CHECKSET**
```
  [LAMBDA (SET COMPFLG)                                   (* lmm " 6-JAN-83 22:57")
    (OR COMPFLG (SETQQ COMPFLG Y))
    (COND
      [SET (SETQ SET (CHECKSET1 (OR (LISTP SET)
                                    [LISTP (GETATOMVAL (PACK* SET (QUOTE LISPSET]
                                    (LIST SET))
                               COMPFLG))
           (COND
             ((EQ COMPFLG (QUOTE N))
              SET)
             (T (COMPFILES SET]
      (T (for X in FILESETS join (CHECKSET (EVAL X)
                                           COMPFLG))
```


(**CHECKSET1**
```
  [LAMBDA (FILES COMPFLG)                                 (* lmm " 8-JAN-83 14:31")
    (PROG (@COM.SOURCES .COM @LISP LISP @PREV @SOURCE NEEDCOMPILE TEM TODO SFD)
          (for GROUP in FILES do (SETQ NEEDCOMPILE)
                                 (SETQ @COM.SOURCES (COND
                                                     [(SETQ .COM (FINDFILE [PACKFILENAME
                                                                             (QUOTE EXTENSION)
                                                                             COMPILE.EXT
                                                                             (QUOTE BODY)
                                                                             (CAR (OR (LISTP GROUP)
                                                                                      (SETQ GROUP (LIST GROUP]
                                                              T))
                                                       (INPUT (INFILE .COM))
                                                       (SKREAD .COM)
                                                       (for SOURCE in GROUP
                                                          collect (IDATE (CADR (READ .COM]
                                                     (T (SETQQ NEEDCOMPILE COMPILE)
                                                        NIL)))
                                 [for SOURCE in GROUP as @COM.SOURCE in (OR @COM.SOURCES GROUP)
                                    do (COND
                                         ((NOT (SETQ TEM (FINDFILE SOURCE T)))
                                          (PRINT (LIST SOURCE (QUOTE (not found)))
                                                 T T)
                                          (SETQ NEEDCOMPILE)
                                          (RETURN)))
                                       (SETQ TEM (INPUT (INFILE TEM)))
                                       (SETFILEPTR TEM 0)
                                       (SETQ SFD (READ TEM FILERDTBL))
                                       (CLOSEF TEM)
                                       (SETQ @PREV (AND [STRINGP (SETQ @PREV (CAR (NLEFT SFD 2]
                                                        (IDATE @PREV)))
                                       (SETQ @SOURCE (IDATE (CADR SFD)))
                                       (SETQ SFD (CONS (CADR SFD)
                                                       TEM))
                                       (COND
                                         ((NEQ NEEDCOMPILE (QUOTE COMPILE))
                                          (COND
                                            (@COM.SOURCE (COND
                                                           ((NOT (IEQP @COM.SOURCE @SOURCE))
                                                            (SETQ NEEDCOMPILE (COND
                                                                                ((AND @PREV (IEQP @PREV
                                                                                                  @COM.SOURCE
                                                                                             ))
                                                                                 (QUOTE RECOMPILE))
                                                                                (T (QUOTE COMPILE]
                                       [COND
                                         ((AND NEEDCOMPILE (PROGN (SETQ NEEDCOMPILE (CONS NEEDCOMPILE GROUP))
```

```
                                                           (CSETASK NEEDCOMPILE COMPFLG)))
                                (SETQ TODO (NCONC1 TODO NEEDCOMPILE]
                        (AND .COM (CLOSEF .COM)))
            (RETURN TODO])
```

(**CSETASK**
```
  [LAMBDA (Q DEFAULT)                                    (* bvm: "30-DEC-81 12:58")
    (SELECTQ DEFAULT
        ((Y N)
            (MAPRINT Q T NIL "
                    ")
            T)
        (EQ (QUOTE Y)
            (ASKUSER DWIMWAIT DEFAULT Q NIL T])
```

(**COMPFILES**
```
  [LAMBDA (FILES FLG)                                    (* bvm: "30-DEC-81 13:28")
    (PROG [LISPXHIST (LISTING (OR (SELECTQ (COND
                                              ((LISTP FLG)
                                               (OR (CADR FLG)
                                                   (CAR FLG)))
                                              (T FLG))
                                        (F (QUOTE F))
                                        (ST (QUOTE ST))
                                        NIL)
                                    (QUOTE F]
          (DECLARE (SPECVARS LISPXHIST))
          (SELECTQ (OR (CAR (LISTP FLG))
                      FLG)
              (C (SETQQ FLG COMPILE))
              (RC (SETQQ FLG RECOMPILE))
              NIL)
          (RETURN (for FL in FILES collect (SELECTQ [CAR (OR (LISTP FL)
                                                         (SETQ FL (LIST FLG FL]
                                              (RECOMPILE (PRINT (CONS (QUOTE recompiling)
                                                              (CDR FL))
                                                      T)
                                                  (LISPXUNREAD (LIST LISTING))
                                                  (BRECOMPILE (CDR FL)
                                                          NIL
                                                          (QUOTE CHANGES)))
                                              (COMPILE (PRINT (CONS (QUOTE compiling)
                                                              (CDR FL))
                                                      T)
                                                  (LISPXUNREAD (LIST LISTING))
                                                  (BCOMPL (CDR FL)))
                                              (HELP FL])
)

(DECLARE: DOEVAL@COMPILE DONTCOPY

(LOCALVARS . T)
)

(DECLARE: DOEVAL@COMPILE DONTCOPY

(ADDTOVAR GLOBALVARS COMPILE.EXT FILERDTBL DWIMWAIT)
)
```

(PUTPROPS **CHECKSET COPYRIGHT** ("Xerox Corporation" 1983))

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