```
16-May-90 13:05:47 {DSK}<usr>local>lde>lispcore>sources>CMLDESTRUCT.;2
 File created:
  changes to:
               (VARS CMLDESTRUCTCOMS)
previous date:
               29-Apr-87 11:30:49 {DSK}<usr>local>lde>lispcore>sources>CMLDESTRUCT.;1
 Read Table:
               INTERLISP
    Package:
               INTERLISP
      Format:
                XCCS
", Copyright (c) 1986, 1987, 1990 by Venue & Xerox Corporation. All rights reserved.
(RPAQQ CMLDESTRUCTCOMS ((FUNCTIONS DESTRUCTURING-BIND DESTRUCTURING-SETQ EXPAND-DESTRUCTURING-BIND)
                             ;; Arrange for the correct compiler to be used.
                              (PROP FILETYPE CMLDESTRUCT)))
(DEFMACRO DESTRUCTURING-BIND (PATTERN FORM &BODY BODY &ENVIRONMENT ENV)
   (EXPAND-DESTRUCTURING-BIND PATTERN FORM BODY ENV))
(DEFMACRO DESTRUCTURING-SETQ (VARS VALUE)
       (NULL VARS)
THEN VALUE
     ELSEIF (NLISTP VARS)
THEN '(SETQ , VARS , VALUE)
ELSEIF (NULL (CDR VARS))
THEN '(DESTRUCTURING-SETQ , (CAR VARS)
                       (CAR , VALUE))
     ELSEIF (LISTP VALUE)
       THEN [LET ((DV (GENSYM)))
                          ((,DV ,VALUE))
(DESTRUCTURING-SETQ ,(CAR VARS)
                    `(LET
                          (CAR ,DV))
(DESTRUCTURING-SETQ , (CDR VARS)
     (CDR , DV]

ELSE '(PROGN (DESTRUCTURING-SETQ , (CAR VARS)
                    (DESTRUCTURING-SETQ , (CDR VARS)
                            (CDR , VALUE])
(CL:DEFUN EXPAND-DESTRUCTURING-BIND (PATTERN FORM BODY ENVIRONMENT)
;;; A compiled function so that circularity of MULTIPLE-VALUE-BIND isn't caught. DO NOT try to run with this function interpreted!
   [LET ((WHOLE-VAR (GENSYM)))
         (CL:MULTIPLE-VALUE-BIND (CODE DECLARATIONS)
             (PARSE-DEFMACRO PATTERN WHOLE-VAR BODY 'DESTRUCTURING-BIND ENVIRONMENT : PATH WHOLE-VAR
           NIL "BUG: PARSE-DEFMACRO didn't return a LET* form.")
           '(,'LET* ((,WHOLE-VAR ,FORM)
                      ,@(CADR CODE))
                    ,@DECLARATIONS
                    ,@(CDDR CODE)))])
;; Arrange for the correct compiler to be used.
(PUTPROPS CMLDESTRUCT FILETYPE CL:COMPILE-FILE)
(PUTPROPS CMLDESTRUCT COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1990))
```

{MEDLEY}<sources>CMLDESTRUCT.;1 28-Jun-2024 18:34:03 -- Listed on 30-Jun-2024 13:15:29 --

FUNCTION INDEX EXPAND-DESTRUCTURING-BIND	
MACRO INDEX	
DESTRUCTURING-BIND	DESTRUCTURING-SETQ
PROPERTY INDEX CMLDESTRUCT	