```
(RPAQQ EXEC-COMMANDSCOMS ((GLOBALVARS SPELLINGS1 SPELLINGS2 USERWORDS)
                          (FNS PRINTPROPS PRINTBINDINGS)
                          (LISPXMACROS PL PB \;)
                          (COMMANDS "PB" "RETRY")
                          (PROP FILETYPE EXEC-COMMANDS)))

(DECLARE\: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS SPELLINGS1 SPELLINGS2 USERWORDS)
)

(DEFINEQ
```

(**PRINTPROPS**
```
  (LAMBDA (AT)                                                    (* |lmm| " 7-May-84 15:35")
    (RESETFORM (PRINTLEVEL '(2 . 3))
           (MAP (OR (GETPROPLIST AT)
                    (GETPROPLIST (OR (MISSPELLED? AT NIL USERWORDS)
                                     AT)))
                (FUNCTION (LAMBDA (TL)
                            (PRIN2 (CAR TL)
                                   T T)
                            (PRIN1 " : " T)
                            (SHOWPRINT (CADR TL)
                                       T T)))
                (FUNCTION CDDR)))))
```

(**PRINTBINDINGS**
```
  (LAMBDA (AT POS FL)                                             (* |lmm| "14-Aug-84 20:33")
                                                                  (* |Print| |out| |the| |bindings| |of| |an| |atom|)

    (RESETFORM (PRINTLEVEL 2 3)
           (PROG (NAME VAL EPOS)
                 (OR FL (SETQ FL T))
                 (|printout| FL "bindings for " AT ": " T)
                 (SETQ POS (STKNTH 0 (OR POS 'PRINTBINDINGS)))
             LP  (OR (SETQ POS (STKSCAN AT POS POS))
                     (GO OUT))
                 (SETQ VAL (STKARG AT POS))
                 (PRIN1 '" @ " FL)
                 (PRIN2 (STKNAME POS)
                        FL T)
                 (COND
                    ((NOT (REALFRAMEP POS))
                     (PRIN1 "/" FL))
                    (PROG NIL
                          (SETQ EPOS (STKNTH 1 POS EPOS))
                      LP  (COND
                             ((REALFRAMEP EPOS)
                              (PRIN2 (STKNAME EPOS)
                                     FL T))
                             ((SETQ EPOS (STKNTH 1 EPOS EPOS))
                              (GO LP))
                             (T (PRIN1 "? " FL))))))
                 (PRIN1 '" : " FL)
                 (SHOWPRINT VAL FL T)
                 (AND (SETQ POS (STKNTH 1 POS POS))
                      (GO LP))
             OUT (RELSTK EPOS)
                 (PRIN1 " @ " FL)
             LAST
                 (PRIN1 '"TOP : " FL)
                 (SHOWPRINT (GETTOPVAL AT)
                        FL T)
                 (RETURN)))))
)

(ADDTOVAR LISPXHISTORYMACROS
          (PL (COND (LISPXLINE (MAPC (NLAMBDA.ARGS LISPXLINE)
                                     (FUNCTION PRINTPROPS)))
                    (T '(E PL))))
          (PB (COND (LISPXLINE (MAPC (NLAMBDA.ARGS LISPXLINE)
                                     (FUNCTION (LAMBDA (X)
```

```
                                             (PRINTBINDINGS X (AND (EQ LISPXID '\:)
                                                                    LASTPOS))))))
                   (T '(E PB))))
          (\; NIL NIL))

(ADDTOVAR HISTORYCOMS \;)


(DEFCOMMAND "PB" (VARIABLE) "Show where on the stack VARIABLE is (special) bound"
    (PRINTBINDINGS VARIABLE)
    (CL:VALUES))


(DEFCOMMAND ("RETRY" :HISTORY) (&REST EVENT-SPEC) "Re-execute specified events with debugging"
    (SETQ RETRYFLAG T)                                    ; Bound by and noticed in DO-EVENT.  Causes HELPFLAG to
                                                          ; be bound to !BREAK while executing the form.
    (EVENTS-INPUT (FIND-HISTORY-EVENTS (OR EVENT-SPEC '(-1))
                    LISPXHISTORY)))

(PUTPROPS EXEC-COMMANDS FILETYPE CL:COMPILE-FILE)

(PUTPROPS EXEC-COMMANDS COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1990))
```