

File created: 12-Sep-91 19:04:19 {PELE:MV:ENVOS}<LISPCORE>INTERNAL>LIBRARY>ARHACK.;3

changes to: (VARS ARHACKCOMS)
(FNS OBSOLETE.MANY.ARS)

previous date: 15-Jun-90 10:53:51 {PELE:MV:ENVOS}<LISPCORE>INTERNAL>LIBRARY>ARHACK.;2

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;
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(RPAQQ ARHACKCOMS

```
( (COMS ;; FNS for finding things out about lots of ARs
  (FNS AR.GET.PLIST) ; Grab specified field from set of ARs:
  (FNS NAB.TEST.CASES) ; Find ARs edited before a given date:
  (FNS LAST-CHANGED-BEFORE) )
 (COMS ;; For nabbing AR information from tds
  (FNS AR.GET.SUBMITS.FROM.TDS AR.GET.FIXES.FROM.TDS AR.GET.ARS.FROM.TDS COLLECT-FIXES
    COLLECT-SUBMISSIONS) )
 (COMS ;; Bulk changes to the AR database (fixes, closing, etc.)
  ;; Function to mark lots of ARs fixed in one sweep.
  (FNS FIX.MANY.ARS FIX.NO.RELEASE.NOTE)
  ;; Function for making changes to lots of ARs in one sweep; less convenient than above fn:
  ;; the form of CHANGE.SPEC is a list like ((1 Status: Closed Attn: "") (234 Attn: Me))
  (FNS CHANGE.MANY.ARS)
  ;; Function for closing lots of ARs, to mark lots of ARs obsolete.
  (FNS CLOSE.MANY.ARS OBSOLETE.MANY.ARS)
  ;; Functions for counting info about ARs
  (FNS LIST.NUM.STATUS.PRIORITY COUNT-ARS COUNT-BY-WEEK BREAKOUT-ARS-BY-TYPE) )
 (COMS ;; Functions for making a summary of all feature requests or hopefully-type ARs.
  (FNS FEATURE.SUMMARY HOPE.SUMMARY OPEN.SUMMARY FIXED.SUMMARY) )
 [COMS ;; Function for making lyric relevant summaries of Absolutely bugs, and a listing of all open ARs.
  (FNS ABSOLUTELY.SUMMARIES ABS.SUMMARY)
  (INITVARS (AR.ABSOLUTELY.HACKER.NAMES ' (Bane Biggs Burton Charnley Cude Daniels Fischer Kelley
    Murage Pavel Pedersen Shih Snow Sye SCPeters
    RMRichardson Sybalsky vanMelle Woz]
    ; Function for caching the ar index locally, and causing all later
    ; queries to use the local cache.
  (COMS (INITVARS (LOCAL-CACHE-ORIGINAL-AR-INDEX-NAME AR.INDEX.DEFAULT.FILE.NAME)
    (FNS CACHE-ARINDEX) )
  (COMS ;; Fns for moving closed/obsolete/etc ar files from main directory to the <ClosedLispARs> directory.
    (FNS MAKE-AR-FILENAME MOVE-CLOSED-ARS) )
  (COMS ;; These names superseded by other functions on this file or on AREDIT
    (FNS GET.NUMS.FROM.QUERY LANDSCAPE.QUERY.WINDOW HARDCOPY.ARS) )
  (COMS ;; Function for querying, and getting a list of the selected AR numbers. In effect, this is a programmatic interface to AR.QUERY.
    (FNS GET-SELECTED-AR-NUMBERS) )
  (COMS ; Functions for making release notes & the like:
    ;; NOTES takes a list of items (AR# subj-string relnote-string) and prints them one to a line, with tab after AR# & new-line (not
    ;; new-para) before relnote into a TEdit.
    (FNS NOTES)
    (FNS KNOWN-BUG-LIST FIXED-BUG-LIST))) )
```

;; FNS for finding things out about lots of ARs

(DEFINEQ

(AR.GET.PLIST

```
[LAMBDA (ARLIST ITEMS AS-STRINGS? SCRATCH.STREAM) ; Edited 23-Feb-88 17:42 by bvm
  ;; Read ITEMS about each AR in ARLIST. RETURN a list of (AR# .items)...
  [OR SCRATCH.STREAM (SETQ SCRATCH.STREAM (OPENSTREAM '{NODIRCORE} 'BOTH)
  (for NUM/OR/FILE in ARLIST bind MAP CONDITION SPEC STR
  collect (CL:MULTIPLE-VALUE-SETQ (MAP CONDITION
    (AR.FETCH.AND.PARSE.AR NUM/OR/FILE SCRATCH.STREAM ITEMS) )
    ; Fetch desired fields into scratch stream, map shows where
  (CONS NUM/OR/FILE (if CONDITION
```

```

      then (CL:FORMAT PROMPTWINDOW "~%%Can't read AR ~A because: ~A" NUM/OR/FILE
            CONDITION)
      NIL
    else (for ITEMNAME in ITEMS collect (if (SETQ SPEC (CDR (ASSOC ITEMNAME MAP)))
      then
        ; Spec = (ptr length)
        (SETFILEPTR SCRATCH.STREAM
          (CAR SPEC))
        (SETQ STR (ALLOCSTRING (CADR SPEC)))
        (\BINS SCRATCH.STREAM
          (fetch (STRINGP BASE)
            of STR)
          0
          (CADR SPEC))
        (if AS-STRINGS?
          then STR
          else (MKATOM STR]))
    )

```

)

:: Grab specified field from set of ARs:

(DEFINEQ

(NAB.TEST.CASES

; Edited 23-Feb-88 17:46 by bvm

```

[LAMBDA (FIELD-TO-GET NUMS.OR.QFORMWINDOW)
  (LET ((NUMS (OR (LISTP NUMS.OR.QFORMWINDOW)
    (AR.NUMS.FROM.QUERY NUMS.OR.QFORMWINDOW)))
    (SCRATCH (OPENSTREAM '{NODIRCORE} 'BOTH))
    (ITEMS (LIST FIELD-TO-GET 'Subject%:))
    TEXT INFO)
    (printout T "will examine AR numbers: " NUMS T T)
    (for NUM in NUMS when (AND [SETQ TEXT (CADR (SETQ INFO (CAR (AR.GET.PLIST (LIST NUM)
      ITEMS T SCRATCH]
      (> (NCHARS TEXT)
        0))
    do (printout T .I5 NUM %,,, (CADDR INFO)
      T FIELD-TO-GET %,,, TEXT T T))

```

)

:: Find ARs edited before a given date:

(DEFINEQ

(LAST-CHANGED-BEFORE

; Edited 23-Feb-88 17:18 by bvm

:: Given a list of AR numbers, ARLIST, returns a list of those ARs that were last edited before the date specified in DATE-STRING (which must be acceptable to IDATE).

```

(for TRIPLE in (AR.GET.PLIST ARLIST ' (Edit-Date%: Date%:)
  T)
  bind (DATE _ (IDATE DATE-STRING)) when (<= (IDATE (if (> (NCHARS (CADR TRIPLE))
    0)
    then
      ; Use edit date
      (CADR TRIPLE)
    else ; Not edited, so use submit date
      (CADDR TRIPLE)))
    DATE)
  collect (CAR TRIPLE])

```

)

:: For nabbing AR information from tds

(DEFINEQ

(AR.GET.SUBMITS.FROM.TDS

; Edited 23-Feb-88 18:15 by bvm

:: Gather the list of ARs that have been submitted from the "Tool Driver Script" file, where AREDIT makes note of edits that people make. (AR.GET.ARS.FROM.TDS FILENAME 'SUBMIT])

(AR.GET.FIXES.FROM.TDS

; Edited 23-Feb-88 18:16 by bvm

:: Gather the list of ARs from the "Tool Driver Script" file whose status has changed away from Open (AR.GET.ARS.FROM.TDS FILENAME 'EDIT (FUNCTION (LAMBDA (AR# INFO)
 (OR (STRPOS "->Fixed" INFO)
 (STRPOS "->Declined" INFO)
 (STRPOS "->Superseded" INFO)
 (STRPOS "->Obsolete" INFO))

(AR.GET.ARS.FROM.TDS

```
[LAMBDA (FILENAME TYPE PREDFN) ; Edited 23-Feb-88 18:13 by bvm
;; Reads the TDS file and returns a list (AR# changelInfo) for all ars of TYPE (EDIT, SUBMIT or NIL for either). If PREDFN is supplied, returns only
;; those for which (predfn AR# changelInfo) is true
(LET ((FILE (OPENSTREAM (OR FILENAME AR.INFO.FILE.NAME)
' INPUT
' OLD))
(*READTABLE* FILERDTBL))
(CL:UNWIND-PROTECT
(bind (SEARCHSTR _ (CONCAT " -- (" (OR TYPE "")))
AR# INFO while (FILEPOS SEARCHSTR FILE NIL NIL NIL T UPPERCASEARRAY)
when (PROGN
(if (NULL TYPE) ; Line looks like -- (EDIT AR# name date etc), where for old
then ; aredit there were parens around the other info
(SKREAD FILE) ; Skip edit type
(SETQ AR# (CL:READ FILE))
(SETQ INFO (if (EQ (CHCON1 (SETQ INFO (CL:READ-LINE FILE)))
(CHARCODE "("))
then ; Old kind
(SUBSTRING INFO 2 -3)
else ; New kind, just drop the last paren
(SUBSTRING INFO 1 -2)))
(OR (NULL PREDFN)
(CL:FUNCALL PREDFN AR# INFO))
collect (LIST AR# INFO))
(CLOSEF FILE))))]
```

(COLLECT-FIXES

```
[LAMBDA NIL ; Edited 23-Apr-87 07:22 by jds
(for FILE in (DIRECTORY '{ERIS}<LISPARS>*.TDS-PROCESSED) join (AR.GET.FIXES.FROM.TDS FILE))]
```

(COLLECT-SUBMISSIONS

```
[LAMBDA NIL ; Edited 23-Apr-87 07:21 by jds
(for FILE in (DIRECTORY '{ERIS}<LISPARS>*.TDS-PROCESSED) join (AR.GET.SUBMITS.FROM.TDS FILE))]
```

)

:: Bulk changes to the AR database (fixes, closing, etc.)
:: Function to mark lots of ARs fixed in one sweep.

(DEFINEQ

(FIX.MANY.ARS

```
[LAMBDA (ARLIST STATUS NO.RELEASE.NOTE) ; Edited 5-Aug-88 11:04 by bvm
;; ARLIST is a list of AR numbers. Each AR on the list will be marked FIXED, or will be marked with the marking STATUS. Also moves the ATTN
;; field into the ASSIGNED-TO field and clears the ATTN field. If NO.RELEASE.NOTE is true, fills release note field with "none required"
(if [AND STATUS (NOT (MEMBER STATUS '(New Open Fixed Closed Declined Superseded Incomplete Obsolete Wish)
then (\ILLEGAL.ARG STATUS))
(for AR# in ARLIST bind (ARFORM _ (AR.SELECT.WINDOW "Select AR form"))
ARMENU BAD.ARS
first (SETQ ARMENU (AR.GET.MENU.FROM.MAIN.WINDOW ARFORM))
do
(printout T "Fixing " AR# T)
(COND
([NOT
(NLSETQ
(LET (NEWVALUE)
(AR.FORM.PROGRAMMATIC.GET ARMENU AR#)
[SETQ NEWVALUE (CL:STRING-TRIM '(#\Space)
(AR.GET.BUTTON.FIELD.AS.TEXT ARFORM 'Attn%:)]
; Attn field, trimmed of spaces
[AR.REPLACE.FILL.INS
ARFORM
`([Status%: , (OR STATUS 'Fixed)
(Attn%: "")
,@[if (> (NCHARS NEWVALUE)
0)
then ; Only change the ASSIGNED-TO field if the ATTN field had
; something in it.
`((|Assigned To:| ,NEWVALUE)
,@(if (AND NO.RELEASE.NOTE (NOT (> [NCHARS (CL:STRING-TRIM '(#\Space)
(AR.GET.BUTTON.FIELD.AS.TEXT ARFORM
'|Release Note:|]
0)))
then ; Say none needed if there isn't a note yet
`((|Release Note:| "None required")
(AR.FORM.PROGRAMMATIC.PUT ARMENU)
(printout T "error reading AR!!!" T)
(push BAD.ARS AR#))
(TEDIT.STREAMCHANGEDP (TEXTSTREAM ARFORM)
T)
```

```

finally (if BAD.ARS
          then (printout T "bad ARs: " BAD.ARS T])

```

(FIX.NO.RELEASE.NOTE

```

[LAMBDA (ARLIST STATUS) ; Edited 23-Feb-88 18:42 by bvm

```

```

;; ARLIST is a list of AR numbers. Each AR on the list will be marked FIXED, and a note needing no release note.. Also moves the ATTN field into
;; the ASSIGNED-TO field and clears the ATTN field.

```

```

(FIX.MANY.ARS ARLIST STATUS T])

```

)

```

;; Function for making changes to lots of ARs in one sweep; less convenient than above fn:

```

```

;; the form of CHANGE.SPEC is a list like ((1 Status: Closed Attn: "") (234 Attn: Me))

```

(DEFINEQ

(CHANGE.MANY.ARS

```

[LAMBDA (CHANGE.SPEC) ; Edited 5-Aug-88 13:14 by bvm

```

```

;; the form of CHANGE.SPEC is a list like ((1 Status: Closed Attn: "") (234 Attn: Me))

```

```

(LET* ((ARFORM (AR.SELECT.WINDOW "Select AR form"))
       (ARMENU (AR.GET.MENU.FROM.MAIN.WINDOW ARFORM))
       (NCHANGES (LENGTH CHANGE.SPEC))
       BAD.ARS)
  (for CHANGE in CHANGE.SPEC as CNT from 1
    do (printout T "doing change: " CHANGE " (" .I1 CNT "/" .I1 NCHANGES ")" T)
        (if [NOT (NLSETQ (PROGN (AR.FORM.PROGRAMMATIC.GET ARMENU (CAR CHANGE))
                               [AR.REPLACE.FILL.INS ARFORM (for X on (CDR CHANGE)
                                                                    by (CDDR X)
                                                                    collect (LIST (CAR X)
                                                                    (CADR X)]
                                                                    (AR.FORM.PROGRAMMATIC.PUT ARMENU)
                                                                    then (printout T "error reading AR!!!" T)
                                                                    (push BAD.ARS CHANGE))
                               (TEDIT.STREAMCHANGEDP (TEXTSTREAM ARFORM)
                                                       T)
                                                                    finally (printout T "bad ARs: " BAD.ARS T])

```

)

```

;; Function for closing lots of ARs, to mark lots of ARs obsolete.

```

(DEFINEQ

(CLOSE.MANY.ARS

```

[LAMBDA (ARLIST) ; Edited 5-Aug-88 11:07 by bvm

```

```

;; ARLIST is a list of AR numbers. Each AR on the list will be marked CLOSED.

```

```

(DECLARE (SPECVARS AR.NO.MESSAGE.FLG))
(LET* ((AR.NO.MESSAGE.FLG T)
       (ARFORM (AR.SELECT.WINDOW "Select AR form"))
       (ARMENU (AR.GET.MENU.FROM.MAIN.WINDOW ARFORM))
       BAD.ARS)
  (for AR# in ARLIST as CNT from 1 do (printout T "Closing " AR# T)
    (COND
      ((NLSETQ (PROGN (AR.FORM.PROGRAMMATIC.GET ARMENU AR#)
                     (COND
                       ((STRING-EQUAL "Fixed" (
                                                AR.GET.BUTTON.FIELD.AS.TEXT
                                                ARFORM
                                                'Status%:))
                        [AR.REPLACE.FILL.INS ARFORM
                          `((Status%: Closed)
                            (AR.FORM.PROGRAMMATIC.PUT ARMENU))
                          (T (PRINTOUT T "AR not Fixed first: " AR# T)
                             (push BAD.ARS AR#))
                          NIL))
                       (T (printout T "error reading AR!!!" T)
                          (push BAD.ARS AR#))
                       (TEDIT.STREAMCHANGEDP (TEXTSTREAM ARFORM)
                                               T)
                          finally (printout T "ARs not closed: " (COND
                                                                    (BAD.ARS)
                                                                    (T "None."))
                                                                    T])

```

(OBSOLETE.MANY.ARS

```

[LAMBDA (ARLIST) ; Edited 12-Sep-91 18:57 by jds

```

```

;; ARLIST is a list of AR numbers. Each AR on the list will be marked OBSOLETE, and any ATTN will be removed..

```

```

(DECLARE (SPECVARS AR.NO.MESSAGE.FLG))
(LET* ((AR.NO.MESSAGE.FLG T)

```

```

(ARFORM (AR.SELECT.WINDOW "Select AR form"))
(ARMENU (AR.GET.MENU.FROM.MAIN.WINDOW ARFORM))
BAD.AR5)
(for AR# in ARLIST as CNT from 1 do (printout T "Closing " AR# T)
(COND
  ((NLSETQ (PROGN (AR.FORM.PROGRAMMATIC.GET ARMENU AR#)
[AR.REPLACE.FILL.INS ARFORM `((Status%: Obsolete)
(Attn%: ""]
(AR.FORM.PROGRAMMATIC.PUT ARMENU)
NIL))
  NIL)
  (T (printout T "error reading AR!!" T)
(push BAD.AR5 AR#)))
(TEDIT.STREAMCHANGEDP (TEXTSTREAM ARFORM)
T)
finally (printout T "AR5 not obsolete: " (COND
(BAD.AR5)
(T "None."))
T])
)

```

:: Functions for counting info about AR5

(DEFINEQ

(LIST.NUM.STATUS.PRIORITY

[LAMBDA (ARLIST FIELDS)

; Edited 23-Feb-88 18:51 by bvm

:: ARLIST is a list of AR numbers. Returns a list of entries of the form (# fieldValue fieldValue ...) where each field is one of the names in FIELDS.

```

(AR.GET.PLIST ARLIST (OR FIELDS '(Status%: Priority%: |Problem Type:| System%: Subsystem%:))
T])

```

(COUNT-AR5

[LAMBDA (ARLIST)

; Edited 23-Apr-87 08:10 by jds

(PRINTOUT T T T "For Documentation:" T T)

```

(bind FIXED NEW OPEN OTHER ABS HOPE F/A F/H F/O O/A O/H O/O first (SETQ FIXED 0)
(SETQ NEW 0)
(SETQ OPEN 0)
(SETQ OTHER 0)
(SETQ ABS 0)
(SETQ HOPE 0)
(SETQ F/A 0)
(SETQ F/H 0)
(SETQ F/O 0)
(SETQ O/A 0)
(SETQ O/H 0)
(SETQ O/O 0)

```

```

for AR in ARLIST when (MEMBER 'Documentation AR) do (SELECTQ (CADR AR)
((New Open)
(add NEW 1)
(SELECTQ (CADDR AR)
(Absolutely (add ABS 1)
(add O/A 1))
(Hopefully (add HOPE 1)
(add O/H 1))
(PROGN (add OTHER 1)
(add O/O 1))))
((Fixed Declined Obsolete Incomplete Superseded)
(add FIXED 1)
(SELECTQ (CADDR AR)
(Absolutely (add ABS 1)
(add F/A 1))
(Hopefully (add HOPE 1)
(add F/H 1))
(PROGN (add OTHER 1)
(add F/O 1))))
(SELECTQ (CADDR AR)
(Absolutely (add ABS 1))
(Hopefully (add HOPE 1))
(add OTHER 1)))

```

```

finally (PRINTOUT T " NEW FIXED" T "ABS " O/A " " F/A T "HOPE " O/H " " F/H T "OTHR " O/O
" " F/O T T))

```

:: Now FEATURES

(PRINTOUT T T T T "For FEATURES:" T T)

```

(bind FIXED NEW OPEN OTHER ABS HOPE F/A F/H F/O O/A O/H O/O first (SETQ FIXED 0)
(SETQ NEW 0)
(SETQ OPEN 0)
(SETQ OTHER 0)
(SETQ ABS 0)
(SETQ HOPE 0)
(SETQ F/A 0)
(SETQ F/H 0)
(SETQ F/O 0)

```



```

(EQ 'Performance (CL:FOURTH AR]
do (SELECTQ (CADR AR)
  ((New Open)
    (add NEW 1)
    (SELECTQ (CADDR AR)
      (Absolutely (add ABS 1)
        (add O/A 1))
      (Hopefully (add HOPE 1)
        (add O/H 1))
      (PROGN (add OTHER 1)
        (add O/O 1))))
    ((Fixed Declined Obsolete Incomplete Superseded)
      (add FIXED 1)
      (SELECTQ (CADDR AR)
        (Absolutely (add ABS 1)
          (add F/A 1))
        (Hopefully (add HOPE 1)
          (add F/H 1))
        (PROGN (add OTHER 1)
          (add F/O 1))))
      (SELECTQ (CADDR AR)
        (Absolutely (add ABS 1))
        (Hopefully (add HOPE 1))
        (add OTHER 1)))
  finally (PRINTOUT T " NEW FIXED" T "ABS " O/A " " F/A T "HOPE " O/H " " F/H T "OTHR " O/O
    " " F/O T T])

```

(COUNT-BY-WEEK

; Edited 23-Apr-87 14:17 by jds

```

[LAMBDA NIL
  (LET ((SUBMITS BETASUBMITS)
        (FIXES BETAFIXES)
        (WASFIXED (SORT SUBMITTEDFIXED))
        SUB FIX SUBFIX SD)
    (for START from (IDATE "2-FEB-87 00:00:00") by 604800 as END from (IDATE "9-FEB-87 00:00:00")
      by 604800 while (OR SUBMITS FIXES)
        do (PRINTOUT T T T "Week of " (GDATE START)
          " - "
          (GDATE END)
          T T)
          [SETQ SUB (bind AR
            while [AND SUBMITS (IGEQ END (IDATE (CONCAT (CAR (NTH (CADR (SETQ AR (CAR SUBMITS)))
              (IDIFFERENCE
                (LENGTH (CADR AR))
                1)))
              " 00:00"]
            collect (CAR (pop SUBMITS))
            [SETQ FIX (bind AR while [AND FIXES (IGEQ END (IDATE (CONCAT [CADR (CADDR (SETQ AR (CAR FIXES]
              " 00:00"]
            collect (CADR (pop FIXES))
            (SETQ SUBFIX (for AR in SUB while WASFIXED when (COND
              ((NULL WASFIXED)
              NIL)
              ((IEQP AR (CAR WASFIXED))
              (pop WASFIXED)
              T)
              ((ILESSP AR (CAR WASFIXED))
              NIL)
              (T (HELP "Mismatch -- a sub-as-fixed ar never
                got submitted?"))))
            collect AR))
          (PRINTOUT T " Submitted: " .I3 (LENGTH SUB)
            " "
            (BREAKOUT-ARS-BY-TYPE SUB)
            (PRINTOUT T "Submitted&Fixed: " .I3 (LENGTH SUBFIX)
              " "
              (BREAKOUT-ARS-BY-TYPE SUBFIX)
              " "
              (PRINTOUT T " Newly Fixed: " .I3 (LENGTH FIX)
                " "
                (BREAKOUT-ARS-BY-TYPE FIX)
                (PRINTOUT T T])

```

(BREAKOUT-ARS-BY-TYPE

; Edited 23-Feb-88 18:26 by bvm

```

[LAMBDA (ARLIST)
  (bind (OTHER _ 0)
        (ABS _ 0)
        (HOPE _ 0)
        (FEAT _ 0)
        (PERF _ 0)
        (DOCABS _ 0)
        (DOCHOPE _ 0)
        (DOCOTHER _ 0)
        (DUNNO _ 0)
    AR for AR# in ARLIST do (SETQ AR (ASSOC AR# BETAINFO))
    [COND
      ((NULL AR)

```

```

      (add DUNNO 1))
    ((MEMBER 'Documentation AR)
     (SELECTQ (CADDR AR)
              (Absolutely (add DOCABS 1))
              (Hopefully (add DOCHOPE 1))
              (add DOCOTHER 1)))
    ((MEMBER 'Feature AR)
     (add FEAT 1))
    ((MEMBER 'Performance AR)
     (add PERF 1))
    (T (SELECTQ (CADDR AR)
              (Absolutely (add ABS 1))
              (Hopefully (add HOPE 1))
              (add OTHER 1)
        finally (PRINTOUT T "BUGS: Abs: " .I3 ABS " Hope: " .I3 HOPE " Other: " .I3 OTHER " || DOC: Abs: "
                        .I3 DOCABS " Hope: " .I3 DOCHOPE " Other: " .I3 DOCOTHER " || Features: " .I3 FEAT "
                        Perf: " PERF (COND
                            ((ZEROP DUNNO)
                             "")
                            (T (CONCAT " Can't Tell: " DUNNO)))
        T]))

```

); Functions for making a summary of all feature requests or hopefully-type ARs.

```

(DEFINEQ
(FEATURE.SUMMARY
[LAMBDA (INDEX-WINDOW SUMMARY.LOCAL.DIR) ; Edited 24-Feb-88 20:07 by bvm

```

;;; Make a summary of all extant feature-request ARs:

```

(AR.QUERY.PRINT.AND.IP.FILE INDEX-WINDOW '[AND (OR (Status%: IS Open)
                                                    (Status%: IS New))
        (|Problem Type:| IS Feature)
        (NOT (OR (System%: IS LOOPS)
                (System%: IS PCE)
                (System%: IS PROLOG)
                (System%: IS BusMaster)
                (Subsystem%: IS DEI]
        '(System%: Subsystem%: Priority%:)
        (CONCAT (OR SUMMARY.LOCAL.DIR '{DSK6})
                "FeatureSummary"]])

```

```

(HOPE.SUMMARY
[LAMBDA (INDEX-WINDOW SUMMARY.LOCAL.DIR FIELDS-TO-PRINT) ; Edited 24-Feb-88 20:15 by bvm

```

;;; Make a summary of all Lyric Absolutely ARs:

```

(AR.QUERY.PRINT.AND.IP.FILE INDEX-WINDOW '[AND (OR (Status%: IS Open)
                                                    (Status%: IS New))
        (Priority%: IS Hopefully)
        (NOT (OR (|Problem Type:| IS Feature)
                (|Problem Type:| IS Documentation)
                (System%: IS LOOPS)
                (System%: IS PCE)
                (System%: IS PROLOG)
                (System%: IS BusMaster)
                (Subsystem%: IS DEI]
        '(System%: Subsystem%: Priority%:)
        (CONCAT (OR SUMMARY.LOCAL.DIR '{DSK6})
                "HopeSummary")
        NIL FIELDS-TO-PRINT])

```

```

(OPEN.SUMMARY
[LAMBDA (SUMMARY.LOCAL.DIR) ; Edited 3-Feb-89 10:29 by jds

```

;;; Make a summary of all ARs that are Open.

```

(AR.QUERY.PRINT.AND.IP.FILE NIL '(OR (Status%: IS New)
                                      (Status%: IS Open)
                                      (Status%: IS Open/Unreleased)
                                      (Status%: IS Incomplete)
                                      (Status%: IS Internal)
                                      (Status%: IS Wish))
        '(System%: Subsystem%: Priority%:)
        "OpenSummary"
        (OR SUMMARY.LOCAL.DIR '{DSK}))

```

```

(FIXED.SUMMARY
[LAMBDA (SUMMARY.LOCAL.DIR) ; Edited 24-Feb-88 20:28 by bvm

```

;;; Make a summary of all ARs that are FIXED


```
(LET [(LOCAL.AR.INDEX.NAME (AND SUMMARY.LOCAL.DIR (CONCAT SUMMARY.LOCAL.DIR 'AR.INDEX]
;; Copy the AR index to local disk if it's not there already.
[COND
  (LOCAL.AR.INDEX.NAME (COPYFILES AR.INDEX.DEFAULT.FILE.NAME LOCAL.AR.INDEX.NAME '>A)
  (AR.QUERY.PRINT.AND.IP.FILE LOCAL.AR.INDEX.NAME '(AND (Status%: IS Fixed))
  NIL
  (PACKFILENAME.STRING 'NAME "FixedSummary" 'DIRECTORY SUMMARY.LOCAL.DIR)
  NIL
  '( (Number%: 5)
    (Subject%: 60])
)
```

;; Function for making lyric relevant summaries of Absolutely bugs, and a listing of all open ARs.

(DEFINEQ

(ABSOLUTELY.SUMMARIES

```
[LAMBDA (SUMMARY.LOCAL.DIR INDIVIDUAL-SUMMARIES? INDEX-ALREADY-COPIED? THESE-NAMES-ONLY)
; Edited 24-Feb-88 20:25 by bvm
```

;;; Create a summary for each developer, listing the ABSOLUTELY ARs in that person's name, and an "AllBugs" summary of Open/New ARs.

;; If INDIVIDUAL-SUMMARIES? (or THESE-NAMES-ONLY) then produce a summary for each developer listing his/her absolutelies. If
;; THESE-NAMES-ONLY, then only do it for those names.

```
(LET ([LOCAL.AR.INDEX.NAME (AND SUMMARY.LOCAL.DIR (CONCAT SUMMARY.LOCAL.DIR 'AR.INDEX]
  INDEX.WINDOW)
(COND
  ((AND LOCAL.AR.INDEX.NAME (NOT INDEX-ALREADY-COPIED?))
  (printout T "copying old AR index to " LOCAL.AR.INDEX.NAME "...")
  (COPYFILES AR.INDEX.DEFAULT.FILE.NAME LOCAL.AR.INDEX.NAME '>A)
  (printout T "done" T))
[SETQ INDEX.WINDOW (CREATEW '(0 0 200 100)
(AR.QFORM.CREATE LOCAL.AR.INDEX.NAME INDEX.WINDOW T)
```

;; Make the summary of all open/new ARs, for cleanup purposes:

```
[COND
  ((NOT THESE-NAMES-ONLY)
  (AR.QUERY.PRINT.AND.IP.FILE INDEX.WINDOW '(AND (OR (Status%: IS Open)
  (Status%: IS New))
  '(System%: Subsystem%: Status%:)
  (PACKFILENAME.STRING 'NAME "AllBugsSummary" 'DIRECTORY SUMMARY.LOCAL.DIR))
```

;; Make a summary of all Lyric Absolutely ARs:

```
(AR.QUERY.PRINT.AND.IP.FILE INDEX.WINDOW '[AND (OR (Status%: IS Open)
  (Status%: IS New))
  (Priority%: IS Absolutely)
  (NOT (OR (|Problem Type:| IS Feature)
  (|Problem Type:| IS Documentation)
  (System%: IS LOOPS)
  (System%: IS PCE)
  (System%: IS PROLOG)
  (System%: IS BusMaster)
  (Subsystem%: IS DEI)
  '(System%: Subsystem%: Status%:)
  (PACKFILENAME.STRING 'NAME "LyricAbsSummary" 'DIRECTORY SUMMARY.LOCAL.DIR]
```

;; Make summaries for everyone:

```
[COND
  ((OR THESE-NAMES-ONLY INDIVIDUAL-SUMMARIES?)
  (for HACKER.NAME in (OR THESE-NAMES-ONLY AR.ABSOLUTELY.HACKER.NAMES)
  do ;; Query on non-feature, non-doc absolutelies for this guy
  (AR.QUERY.PRINT.AND.IP.FILE INDEX.WINDOW
  `[AND (OR (Status%: IS Open)
  (Status%: IS New))
  (Priority%: IS Absolutely)
  [Attn%: HAS ,(SUBSTRING HACKER.NAME 1 (IMIN 4 (NCHARS HACKER.NAME)
  (NOT (OR (|Problem Type:| IS Feature)
  (|Problem Type:| IS Documentation)
  AR.CLEANUP.SORT.ORDER
  (PACKFILENAME.STRING 'NAME (CONCAT HACKER.NAME "Summary")
  'DIRECTORY SUMMARY.LOCAL.DIR))
```

;; Print the summary, but don't copy it anywhere (leave it on the local summary dir)

]

;; Close the query window we used for this process.

```
(CLOSEW INDEX.WINDOW])
```

(ABS.SUMMARY

```
[LAMBDA (INDEX-WINDOW SUMMARY.LOCAL.DIR)
```

; Edited 24-Feb-88 20:27 by bvm

;; Make a summary of all Lyric Absolutely ARs:

```
(AR.QUERY.PRINT.AND.IP.FILE NIL '[AND (OR (Status%: IS Open)
                                           (Status%: IS New))
                                     (Priority%: IS Absolutely)
                                     (In/By%: HAS Motown)
                                     (NOT (OR (System%: IS LOOPS)
                                              (System%: IS PCE)
                                              (System%: IS PROLOG)
                                              (System%: IS BusMaster)
                                              (Subsystem%: IS DEI]
                                           ' (System%: Subsystem%: Status%:))
  (CONCAT (OR SUMMARY.LOCAL.DIR '{DSK6})
          "LyricAbsSummary"])
```

)

```
(RPAQ? AR.ABSOLUTELY.HACKER.NAMES '(Bane Biggs Burton Charnley Cude Daniels Fischer Kelley Murage Pavel
                                     Pedersen Shih Snow Sye SCPeters RMRichardson Sybalsky vanMelle Woz))
```

;; Function for caching the ar index locally, and causing all later queries to use the local cache.

```
(RPAQ? LOCAL-CACHE-ORIGINAL-AR-INDEX-NAME AR.INDEX.DEFAULT.FILE.NAME)

(DEFINEQ
  (CACHE-ARINDEX
   [LAMBDA (LOCALNAME)
     ; Edited 1-Jul-87 10:39 by jds
     ;; Copy the ar index to a LOCALNAME cache spot, and redirect the local pointers so queries operate there.
     ;; CAUTION: This will cause you not to see new versions of the index, and you'll lose the cache if you reload AREDIT et al.
     (COPYFILES LOCAL-CACHE-ORIGINAL-AR-INDEX-NAME LOCALNAME) ; Copy the file
     (SETQ AR.INDEX.DEFAULT.FILE.NAME LOCALNAME)]
  )
```

;; Fns for moving closed/obsolete/etc ar files from main directory to the <ClosedLispARs> directory.

```
(DEFINEQ
  (MAKE-AR-FILENAME
   [LAMBDA (DIR NUMBER)
     ; Edited 7-Feb-90 17:12 by jds
     (PACKFILENAME.STRING 'DIRECTORY DIR 'BODY (CL:FORMAT NIL "~5,'0D.AR" NUMBER)]
  )

  (MOVE-CLOSED-ARS
   [LAMBDA (NUMBERS)
     (for AR in NUMBERS do (RENAMEFILE (MAKE-AR-FILENAME "{ERINYES}<LISPARS>" AR)
                                       (MAKE-AR-FILENAME "{ERINYES}<CLOSEDLISPARS>" AR))
     (PRINTOUT T "Moved AR file for AR " AR T)]
  )
```

;; These names superseded by other functions on this file or on AREDIT

```
(DEFINEQ
  (GET.NUMS.FROM.QUERY
   [LAMBDA NIL
     ; Edited 18-Feb-88 12:43 by bvm
     ;; Gather the AR numbers listed in a query window, and return a list of them. Useful for getting AR numbers into Lisp for further processing.
     (AR.NUMS.FROM.QUERY)]
  )
```

```
(LANDSCAPE.QUERY.WINDOW
 [LAMBDA (LOCALTXTFILE LOCALIPFILE)
   ; Edited 23-Feb-88 17:51 by bvm
   ;; This function takes the names of two files. LOCALTXTFILE is the file which has been created by PRINTing to a Print File in a query window.
   ;; LOCALIPFILE is the file that you want to be created with landscaping.
   (AR.IP.FILE LOCALTXTFILE LOCALIPFILE)])
```

```
(HARDCOPY.ARS
 [LAMBDA (NUMS)
   ; Edited 23-Feb-88 18:27 by bvm
   (AR.HARDCOPY NUMS)]
 )
```

;; Function for querying, and getting a list of the selected AR numbers. In effect, this is a programmatic interface to AR.QUERY.

```
(DEFINEQ
  (GET-SELECTED-AR-NUMBERS
   [LAMBDA (QUERY-SPEC SUMMARY.LOCAL.DIR)
     ; Edited 17-Jan-89 18:20 by jds
```

;; Return a list of all the AR numbers matching QUERY-SPEC. If SUMMARY.LOCAL.DIR, then cache the AR.INDEX file there for this operation.

```
(LET ((LOCAL.AR.INDEX.NAME (COND
  (SUMMARY.LOCAL.DIR (PACK* SUMMARY.LOCAL.DIR 'AR.INDEX))
  (T NIL)))
  INDEX.WINDOW SELECTED-ARS)
  ;; Copy the AR index to local disk if it's not there already.
  [COND
    (LOCAL.AR.INDEX.NAME (COPYFILES AR.INDEX.DEFAULT.FILE.NAME LOCAL.AR.INDEX.NAME '>A])
  ;; Open the query window
  (SETQ INDEX.WINDOW (CREATEW (CREATEREGION 0 0 200 100)))
  (AR.QFORM.GROUP.CREATE LOCAL.AR.INDEX.NAME INDEX.WINDOW T)
  ;; Grab the ARs & print the summary:
  (AR.QUERY INDEX.WINDOW QUERY-SPEC)
  (SETQ SELECTED-ARS (AR.NUMS.FROM.QUERY INDEX.WINDOW))
  (CLOSEW INDEX.WINDOW)
  SELECTED-ARS])
)
```

;; Functions for making release notes & the like:
 ;; NOTES takes a list of items (AR# subj-string relnote-string) and prints them one to a line, with tab after AR# & new-line (not new-para) before relnote
 ;; into a TEdit.

(DEFINEQ

(NOTES

```
[LAMBDA (ARS TITLE) ; Edited 17-Jan-89 18:28 by jds
  ;; Given a list of items like (AR# Subject-string Rel-Note-String), print them into a TEdit document one to a paragraph, with a newline after the
  ;; subject. Intended for the collation of release notes.
  (LET ((TS (OPENTEXTSTREAM ""))
    (TEDIT.SETSEL TS 1 0 'RIGHT)
    (AND TITLE (TEDIT.INSERT TS (CONCAT TITLE "
  "))))
    (for AR-INFO in ARS do (TEDIT.INSERT TS (CONCAT (MKSTRING (CAR AR-INFO))
  " "
  (CADR AR-INFO)
  (CHARACTER (CHARCODE "##^M"))
  (CADDR AR-INFO)
  "
  "))))
    (TEDIT TS])
)
```

(DEFINEQ

(KNOWN-BUG-LIST

```
[LAMBDA (SUMMARY.LOCAL.DIR) ; Edited 17-Jan-89 18:33 by jds
  (LET (ARS NOTES)
    (SETQ ARS (GET-SELECTED-AR-NUMBERS '[AND (OR (Status%: IS Open)
  (Status%: IS Open/Unreleased)
  (Status%: IS New))
  (Priority%: IS Hopefully)
  (NOT (OR (Problem Type: | IS Feature)
  (Problem Type: | IS Documentation)
  (System%: IS LOOPS)
  (System%: IS PCE)
  (System%: IS PROLOG)
  (System%: IS BusMaster)
  (Subsystem%: IS DEI]
  SUMMARY.LOCAL.DIR))
    (SETQ ARS (AR.GET.PLIST ARS '(Subject%: |Release Note:|)
  T))
    (SETQ NOTES (NOTES ARS (CONCAT "Known Bugs List as of " (DATE]))
)
```

(FIXED-BUG-LIST

```
[LAMBDA (SUMMARY.LOCAL.DIR) ; Edited 17-Jan-89 18:32 by jds
  (LET (ARS NOTES)
    (SETQ ARS (GET-SELECTED-AR-NUMBERS '[AND (Status%: IS Fixed)
  (NOT (OR (System%: IS LOOPS)
  (System%: IS PCE)
  (System%: IS PROLOG)
  (System%: IS BusMaster)
  (Subsystem%: IS DEI]
  SUMMARY.LOCAL.DIR))
    (SETQ ARS (AR.GET.PLIST ARS '(Subject%: |Release Note:|)
  T))
    (SETQ NOTES (NOTES ARS (CONCAT "Fixed Bugs List as of " (DATE]))
)
```

{MEDLEY}<internal>ARHACK.;1

)

(PUTPROPS **ARHACK COPYRIGHT** ("Venue & Xerox Corporation" 1984 1985 1986 1987 1988 1989 1990 1991))

FUNCTION INDEX

ABS.SUMMARY	9	COLLECT-SUBMISSIONS	3	HOPE.SUMMARY	8
ABSOLUTELY.SUMMARIES	9	COUNT-ARS	5	KNOWN-BUG-LIST	11
AR.GET.ARS.FROM.TDS	3	COUNT-BY-WEEK	7	LANDSCAPE.QUERY.WINDOW	10
AR.GET.FIXES.FROM.TDS	2	FEATURE.SUMMARY	8	LAST-CHANGED-BEFORE	2
AR.GET.PLIST	1	FIX.MANY.ARS	3	LIST.NUM.STATUS.PRIORITY	5
AR.GET.SUBMITS.FROM.TDS	2	FIX.NO.RELEASE.NOTE	4	MAKE-AR-FILENAME	10
BREAKOUT-ARS-BY-TYPE	7	FIXED-BUG-LIST	11	MOVE-CLOSED-ARS	10
CACHE-ARINDEX	10	FIXED.SUMMARY	8	NAB.TEST.CASES	2
CHANGE.MANY.ARS	4	GET-SELECTED-AR-NUMBERS	10	NOTES	11
CLOSE.MANY.ARS	4	GET.NUMS.FROM.QUERY	10	OBSOLETE.MANY.ARS	4
COLLECT-FIXES	3	HARDCOPY.ARS	10	OPEN.SUMMARY	8

VARIABLE INDEX

AR.ABSOLUTELY.HACKER.NAMES	10	LOCAL-CACHE-ORIGINAL-AR-INDEX-NAME	10
----------------------------------	----	--	----
