

File created: 5-Nov-2020 20:00:58 {DSK}<users>arunwelch>skydrive>documents>unix>lisp>lde>notecards>system>NCLISTCARD.;5

changes to: (FNS NCAddStub.ListCard NC.AddListCard NC.ListCardCopyFn NC.ListCardCreateFn NC.ListCardEditFn
NC.ListCardGetFn NC.ListCardPutFn NC.EvaluateListCardSubstance)

previous date: 9-Jan-94 20:21:38 {DSK}<users>arunwelch>skydrive>documents>unix>lisp>lde>notecards>system>NCLISTCARD.; 4

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;
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(RPAQQ **NCLISTCARDCOMS** (

;;; The list card -- just a Lisp list stored on the file!

```
(FNS NCAddStub.ListCard)
(FNS NC.AddListCard NC.ListCardCopyFn NC.ListCardCreateFn NC.ListCardEditFn
  NC.ListCardGetFn NC.ListCardPutFn NC.EvaluateListCardSubstance)
(DECLARE%: DONTEVAL@LOAD (P (NC.AddListCard)))
(PROP (FILETYPE MAKEFILE-ENVIRONMENT)
  NCLISTCARD))
```

;;; The list card -- just a Lisp list stored on the file!

(DEFINEQ

(**NCAddStub.ListCard**

[LAMBDA NIL

(* kirk%: "19-Jun-86 20:52")

(* kirk 18Jun86 Add the text card stub)

(NC.AddCardTypeStub 'List 'NoteCard 'NCLISTCARD))

)

(DEFINEQ

(**NC.AddListCard**

[LAMBDA NIL

; Edited 3-Dec-87 19:02 by rht:

(* rht 7/14/86%: No longer has a QuitFn.)

```
(NC.AddCardType 'List 'NoteCard `[(MakeFn ,(FUNCTION NC.ListCardCreateFn))
  (EditFn ,(FUNCTION NC.ListCardEditFn))
  (GetFn ,(FUNCTION NC.ListCardGetFn))
  (PutFn ,(FUNCTION NC.ListCardPutFn))
  (CopyFn ,(FUNCTION NC.ListCardCopyFn))
  (MarkDirtyFn ,(FUNCTION NILL))
  (DirtyPFn ,(FUNCTION NILL))
  (QuitFn ,(FUNCTION NILL))
  ' ((LinkAnchorModesSupported NILL))
```

(**NC.ListCardCopyFn**

[LAMBDA (Card FromStream ToStream Length)

(* fgh%: "21-Nov-85 21:11")

(* Copy a list substance from FromStream to ToStream.)

(* Copy the bytes.)

(* fgh |11/20/85| NoteCards now handles the start and end ptrs --
passing the from ptrs as args and properly setting the to ptrs.)

(* fgh |11/21/85| Now passes length instead of start and end ptrs.)

```
(LET* ((FromStartPtr (GETFILEPTR FromStream))
  (FromEndPtr (PLUS Length FromStartPtr)))
  (COPYBYTES FromStream ToStream FromStartPtr FromEndPtr))
T])
```

(**NC.ListCardCreateFn**

[LAMBDA (Card Title NoDisplayFlg InitialSetting)

(* fgh%: "17-Nov-85 15:59")

(* Make a list substance.)

```
(NC.SetSubstance Card InitialSetting)
Card])
```

(NC.ListCardEditFn

```
[LAMBDA NIL (* fgh%: "14-Nov-85 00:51")
  (NC.ReportError NIL "Cannot edit a list substance"])
```

(NC.ListCardGetFn

```
[LAMBDA (Card Length Stream) (* rht%: " 1-Nov-86 15:57")

  (* * Get the list substance from the disk)

  (* * fgh |11/20/85| NoteCards now passes start and end ptrs down.)

  (* * fgh |11/21/85| Now passes length instead of start and end ptrs.)

  (* * rht 1/23/86%: Now takes Stream as arg instead of computing from Card.)

  (* * rht 11/1/86%: Now uses our readtable when reading.)

  (DECLARE (GLOBALVARS NC.OrigReadTable))
  (READ Stream NC.OrigReadTable])
```

(NC.ListCardPutFn

```
[LAMBDA (Card Stream) (* rht%: " 1-Nov-86 15:57")
  (* Put list substance)

  (* * fgh |11/20/85| NoteCards now takes care of setting the start and end pointers for the substance.)

  (* * rht 1/23/86%: Now takes Stream as arg instead of computing from Card.)

  (* * fgh |2/6/86| Now returns version number.)

  (* * rht 11/1/86%: Now uses our readtable when printing.)

  (DECLARE (GLOBALVARS NC.OrigReadTable))
  (PRINT (NC.FetchSubstance Card)
    Stream NC.OrigReadTable)
  0])
```

(NC.EvaluateListCardSubstance

```
[LAMBDA (CardOrList Message InterestedWindow ExitOnDontFlg) (* pmi%: "10-Dec-87 14:10")

  (* * Evaluate the contents of a list card.)

  (* * rht 4/2/87%: Added InterestedWindow arg.)

  (* * rht 4/19/87%: Now clears InterestedWindow before printing.)

  (* * dsj 11/5/87%: Changed Card arg to CardOrList to allow lists to be passed in for the case where this fn is called after the
  notefile has been closed and the card is no longer accessible. Now exits if any exprs return DON'T if ExitOnDontFlg is
  non-NIL.)

  (* * pmi 12/10/87%: added dsj's changes; see above comments.)

  (LET (CardEvents)
    (SETQ CardEvents (if (LISTP CardOrList)
      then CardOrList
      else (NCP.CardSubstance CardOrList)))
    [OR InterestedWindow (AND (NOT (LISTP CardOrList))
      (SETQ InterestedWindow (NC.CoerceToInterestedWindow CardOrList))
    (if Message
      then (NC.PrintMsg InterestedWindow T Message))
    (if ExitOnDontFlg
      then [CAR (ERSETQ (if (for Item in CardEvents thereis (EQ (CAR (ERRORSET Item))
        'DON'T))
        then 'DON'T])
      else (ERSETQ (for Item in CardEvents do (ERRORSET Item))
    )
  )
```

```
(DECLARE%: DONTEVAL@LOAD
```

(NC.AddListCard)

```
)

(PUTPROPS NCLISTCARD FILETYPE :FAKE-COMPILE-FILE)

(PUTPROPS NCLISTCARD MAKEFILE-ENVIRONMENT (:PACKAGE "IL" :READTABLE "INTERLISP" :BASE 10))

(PUTPROPS NCLISTCARD COPYRIGHT ("Venue & Xerox Corporation" 1985 1986 1987 1988 1989 1990 1993 1994 2020))
```

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