

(FILECREATED "17-JAN-84 20:45:09" DRC0:<MUSSE.R.INTERLISP>LIBPROC.;13 3368

changes to: (FNS GetObject InitLib InsertInTree PrintEntry PrintTree SaveObject SearchTree)

previous date: "17-JAN-84 00:35:44" DRC0:<MUSSE.R.INTERLISP>LIBPROC.;11)

(PRETTYCOMPRINT LIBPROCCOMS)

(RPAQQ LIBPROCCOMS ((FNS GetObject InitLib InsertInTree PrintEntry PrintTree SaveObject SearchTree)  
(RECORDS ObjectEntry)  
(VARS ObjectTable ObjectTableFile Testing)))

(DEFINEQ

(GetObject  
 (LAMBDA (object) (\* drm "17-JAN-84 20:41")  
 (PROG (file)  
 (if Testing  
 then NIL  
 else (LOAD ObjectTableFile))  
 (SearchTree ObjectTable object)  
 (if ~ObjectFound  
 then (PRIN1 "Sorry, but I can't find object "  
 (PRIN1 object)  
 (PRIN1 " in the database."  
 (TERPRI)  
 (PrintTree ObjectTable "The database is:"  
 (TERPRI)  
 (RETURN))  
 (file\_(PACK\* (QUOTE F)  
 LibEntry:ObjectNumber))  
 (if Testing  
 then (PRIN1 "would load "  
 (PRIN1 file)  
 (TERPRI))  
 (RETURN file))

(InitLib  
 (LAMBDA NIL (\* drm "17-JAN-84 00:06")  
 LibNumber\_0  
 ObjectTable NIL  
 OTFCOMS\_(QUOTE ((VARS LibNumber ObjectTable)))  
 ObjectTableFile\_(QUOTE OTF.AFF)  
 (MAKEFILE ObjectTableFile))

(InsertInTree  
 (LAMBDA (tree name) (\* drm "17-JAN-84 20:15")  
 (PROG NIL  
 (if tree=NIL  
 then LibEntry\_(create ObjectEntry  
 ObjectName = name  
 ObjectNumber = LibNumber)  
 (RETURN <LibEntry NIL NIL>)  
 elseif name=tree:1:ObjectName  
 then LibEntry\_tree:1  
 ObjectFound\_T  
 (RETURN tree)  
 elseif (ALPHORDER name tree:1:ObjectName)  
 then (RETURN <tree:1 (InsertInTree tree:2 name)  
 tree:3>)  
 else (RETURN <tree:1 tree:2 (InsertInTree tree:3 name)  
 >))

(PrintEntry  
 (LAMBDA (entry) (\* drm "17-JAN-84 20:42")  
 (PRIN1 entry:ObjectName)  
 (PRIN1 " ")  
 (PRIN1 entry:ObjectNumber)  
 (TERPRI))

(PrintTree  
 (LAMBDA (tree heading) (\* drm "17-JAN-84 20:39")  
 (if heading  
 then (PRIN1 heading)  
 (TERPRI))  
 (if tree~NIL  
 then (PrintTree tree:2)  
 (PrintEntry tree:1)  
 (PrintTree tree:3))

(SaveObject  
 (LAMBDA (name) (\* drm "17-JAN-84 20:31")  
 (PROG (file)  
 (if ~Testing  
 then (LOAD ObjectTableFile))  
 (LibNumber\_LibNumber+1)  
 (ObjectTable\_(InsertInTree ObjectTable name))  
 (if Testing  
 then (PrintEntry LibEntry)  
 else file\_(PACK\* (QUOTE F)  
 LibEntry:ObjectNumber)



(MAKEFILE ObjectTableFile)  
(RETURN file)

```

(SearchTree
  (LAMBDA (tree name)
    (if tree=NIL
      then ObjectFound NIL
      elseif name=tree:1:ObjectName
      then LibEntry_tree:1
      ObjectFound_T
      elseif (ALPHORDER name tree:1:ObjectName)
      then (SearchTree tree:2 name)
      else (SearchTree tree:3 name))
    )
  )
(DECLARE: EVAL@COMPILE
(RECORD ObjectEntry (ObjectName ObjectNumber))
)

(RPAQQ ObjectTable ((foo 1)
  ((boo 3)
    NIL NIL)
  ((hoo 2)
    NIL NIL)))

(RPAQQ ObjectTableFile OTF.AFF)

(RPAQQ Testing NIL)
(DECLARE: DONTCOPY
(FILEMAP (NIL (467 3125 (GetObject 477 . 1109) (InitLib 1111 . 1380) (InsertInTree 1362 . 1922) (
PrintEntry 1924 . 2112) (PrintTree 2114 . 2358) (SaveObject 2361 . 2791) (SearchTree 2793 . 3123))))))
STOP
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