Testing Report

Tested:

 • different ways of creation: using, copying, reusing, smashing
 • type?, typenamep, typename are tested for each type of record that maintains typename info:
typerecord, arrayrecord, datatype
 • for record types with and without typename info, provided a test form, and made sure it works
via type?
 • field name synonyms
 • typenamep.- on an 1109
 • records which turn into datatypes with type#>255 The sysout has more than 255 datatypes
already, so this is well tested.
  • defstruct's with types on the slots.
  • checked that type number (as built by \\typeglobalvariable) are in the current package.
  • Similarly, tested the interaction of packages with Interlisp records. (i.e. that the record name
        and the field names are in the same package.) Made sure that package qualified
        versions of things work with fetch and replace.
 • recursive records with above.
 • new record types: confirmed that the irm is correct.
 • editing of records with SEdit (multiple completion).
 • inspected any type of object the system can create
 • specified type in ASTYPE arg to INSPECT
 • user options INSPECTALLFIELDSFLG, MAXINSPECTCDRLEVEL,
MAXINSPECTARRAYLEVEL, INSPECTPRINTLEVEL
  • extensibility via INSPECTMACROS
  • confirmed programmatic interface to INSPECTW's
  • code inspectors on frames (both \realframep frames and others.),
  • inspected values in frame variables.
  • the setters on defstruct slots (including readonly-ness) for lists, vectors, :named and
        otherwise.
  • examples of propprintfn

 Left to be tested:
 • typenamep should be tested on each machine. and was only tested on the 1109
 • code inspectors on frames (both \realframep frames and others.),should be tested from both
compilers
 • all tests should be run compiled and interpreted on each machine.

Outstanding bugs and comments

 7630 Smashing-arrayrecord fails
 6950 WITH doesn't compile correctly. (new)
 6606 re: record redeclaration.
 4007 want to have - in record field names (closed)
 1046 ensure that the editors can be successfully invoked from the inspector.
 1820 make sure you can edit terminal tables
 2019 problem with \applyinspectmacro (open)
 2613 try inspecting processes (running and dead), other system types.
 Note: there is no interaction between the inspector and*print-circle* and *print-pretty*