Last Workshop's Work In Progress

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3rd Python workshop, Dec 1995

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Python and the Web

- HTTP Server
  - became part of the library
- Remote import
  - facilities are there but not readily exploitable
  - reason: waiting for security
    - » restricted execution
      - not always appropriate
    - » verification
  - what you really want (often) is automatic installation
    - » system-wide or personal?

Distributed Computing

- RPC framework
  - obsoleted by ILU (and SYLU)
  - haven't had time yet to rewrite it using ILU
- Remote filesystem access, RCS and CVS
  - lingered
  - should also be rewritten using ILU
- CNRI handle server interface
  - distributed as part of Grail
  - will become part of main distribution

Changes to the Python core

- Great Renaming
  - still not done :-(:-(:-(
- New generic object API
  - part of 1.3 as abstract.{c,h}
- Optimizations
  - integrated as part of keyword arguments implementation
  - some not applied
- C trace for exceptions
  - forgot about it :-(
- Packages
  - part of 1.3 as module "ni"

Futurism

- Getting the current exception - not done yet
- Third argument to raise - done, but nobody uses it
- Explicit interpreter state - see code mobility
- Move the C stack out of the way - ditto
- Restricted execution - done as part of Grail
- Keyword parameters - done
- Assignment operators - if I ever get more time :-(

No-no's

- Garbage collection
  - Jim Fulton hopes to spend some serious time on this
- (Requiring) universal thread support
  - still a no-no
- Python compiler
  - could be built using new "parser" module
- Translating to other languages
  - ditto
- The access statement
  - is almost gone