Shell Lab Release Notes

07/28/2003

- Fixed a race condition in the reference solution that happened during the creation of a new job. The race existed between (1) the parent adding a new job to the job list and (2) the receipt of a SIGINT or SIGTSTP signal. The fix is to block SIGINT and SIGTSTP signals in the parent until after the new job has been added to the job list. A similar race was already properly handled for SIGCHLD signals.

- Also made some minor changes to the reference solution:
  - Changed the command line parser supplied to the students so that characters surrounded by single quotes are treated as a single argument. This allows the tiny shell to handle commands such as

    ```
    tsh> /bin/sh -c 'ps | fgrep mysplit'
    ```

  - Made a slight change to the formatting of job list output.

12/05/2002

- Added a new trace file (trace16.txt) that tests the shell's ability to handle SIGINT and SIGTSTP signals that do not originate from the terminal.

10/16/2002

- Fixed bug in tracefile `src/trace10.txt`, which told the driver to sleep too long before running the `fg` command.
- Removed assumptions in `src/Makefile` and `grade/Makefile` that the user had a "." in their Unix path.

6/3/2002

- Initial release.