

## Improvements Since CTools™ version 2.16:

The jump from 2.16 to 2.2 was all on unreleased versions. I decided to start with the next highest, relatively even, version number, for this release.

Pascal to C improvements:

- Fixed it to handle many, many more character case discrepancies than before, on commonly encountered keywords.
- Added translate table entries to add left and right parens after many common toolbox calls having no arguments.  
(i.e. `InitWindows;` to `InitWindows ();`).
- Added translations for some minor, yet omitted, keywords and other things. (see Appendix)
- Patched some small translation items resulting in less (or easier to do) manual editing.
- Translate table additions: 135.
- Added conversion for Pascal's '@' operator to C's '&' operator.

Other Improvements:

- Made CTools™ save 'TEXT' files with its own signature, 'GH22' for quick spotting in the Finder and SFGet dialog.
- Gave CTools™ a new color icon.
- Added color animated cursor during long processes.
- Added "Select All" to the Edit Menu.
- Added command key modifiers to the CTools™ menu items.

To Do List:

- Make it handle 'for' loops.  
✓ done (95%)
- Make it handle switches more completely.
- Make it do constants better.  
✓ done (90%)
- Improve typedef and record conversion.  
✓ done
- Add '()' after argumentless routine calls.
- Make comment styles selectable.  
✓ done
- Make source formatter configurable.

- Correct left off paren on do-while loop.
- Fix start brace dislocation in procedure parsing routine.
- Fix missing ';' on line before before 'else'.
- Put in more '&' where needed.
- Make Proto Gen work right for new and old style, so it's more usable.

...eventually...

- Do C to Pascal.
  - Do batch translating.
  - Do flow of whole program
- (That oughta keep me busy!)