

The Grymoire - home for UNIX wizards

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This page includes Bruce Barnett's tutorials on UNIX shell programming and various other arcane subjects of interest to wizards.

You might want to check out my [blog](#)

My twitter handle is [@grymoire](#) and I will gladly try to answer questions.

Note that I don't currently have a page on the *bash* shell because there is so much to cover. But the bash shell is a superset of the POSIX shell, so everything I have on [this page](#) applies to bash as well. Learn this first and get a gggood foundation on the basics that apply to nearly all shells.

Tutorials

Shell Quotes

- How to use quotes in a shell script.

Regular Expressions

- Originally written for Solaris/Unix, so your milage my vary. But the lessons are still useful.

Grep - the global/regular expression/print command

- Find strings and regular expresions in one or more files.

SED - The Stream Editor

- Editing a data stream. Google rates this page very highly.

POSIX Shells

- The basics of POSIX compatible shells (including bash)

AWK

- The basic power tool for UNIX.

Bourne Shell

- Everything you wanted to know about the older Bourne shell.

Make

- Combining Make and shell scripts. NEW

Unix/Linux permissions

- chmod, umask and the works.

Csh

- The C shell - warts and all. But before you read that, perhaps you want to look at the next two essays:

[Top Ten Reasons not to use the C shell](#)

- My essay on the disadvantages of using the C shell for Programming

[Tom Christiansen's essay on C-Shell programming](#)

Find

- Finding files.

[Here's the directory containing all of my scripts](#)

Background

Most of these tutorials were written from 1989 - to 1995 for The Sun Observer. But I have been keeping them up to date the best I can.

Over the years I strive to make the pages compliant with the validation engines.

I'd give you my e-mail address, but frankly I think spammers should rot in hell. Therefore I'll give you my e-mail address in longhand form.

The domain is grymoire.com

The username is - tutorials

Put them together with an at sign between and you can reach me. An example might be username@domain or abuse@fbi.gov - notice the spambait.

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Thanks to "Jesse Silverman" for some corrections.

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More References

[Sculpting text with regex, grep, sed, awk, emacs and vim](#) - MattMight

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These books mention my web site.

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