

Kernighan, B. W., and R. Pike, *The Practice of Programming*, Addison-Wesley, Reading, Mass., 1999. Read this book for advice on programming style, choosing the right algorithm, testing and debugging, and writing portable programs. Examples are drawn from C, C++, and Java.

McConnell, S., *Code Complete*, Second Edition, Microsoft Press, Redmond, Wash., 2004. Tries to bridge the gap between programming theory and practice by providing down-to-earth coding advice based on proven research. Includes plenty of examples in a variety of programming languages. Highly recommended.

Raymond, E. S., ed., *The New Hacker's Dictionary*, Third Edition, MIT Press, Cambridge, Mass., 1996. Explains much of the jargon that programmers use, and it's great fun to read as well.

## Web Resources

ANSI eStandards Store ([webstore.ansi.org](http://webstore.ansi.org)). The C99 standard (ISO/IEC 9899:1999) can be purchased at this site. Each set of corrections to the standard (known as a Technical Corrigendum) can be downloaded for free.

*comp.lang.c* Frequently Asked Questions ([c-faq.com](http://c-faq.com)). Steve Summit's FAQ list for the *comp.lang.c* newsgroup is a must-read for any C programmer.

Dinkumware ([www.dinkumware.com](http://www.dinkumware.com)). Dinkumware is owned by P. J. Plauger, the acknowledged master of the C and C++ standard libraries. The web site includes a handy C99 library reference, among other things.

Google Groups ([groups.google.com](http://groups.google.com)). One of the best ways to find answers to programming questions is to search the Usenet newsgroups using the Google Groups search engine. If you have a question, it's likely that someone else has already asked the question on a newsgroup and the answer has been posted. Groups of particular interest to C programmers include *alt.comp.lang.learn.c-c++* (for C and C++ beginners), *comp.lang.c* (the primary C language group), and *comp.std.c* (devoted to discussion of the C standard).

International Obfuscated C Code Contest ([www.ioccc.org](http://www.ioccc.org)). Home of an annual contest in which participants vie to see who can write the most obscure C programs.

ISO/IEC JTC1/SC22/WG14 ([www.open-std.org/jtc1/sc22/wg14/](http://www.open-std.org/jtc1/sc22/wg14/)). The official web site of WG14, the international working group that created the C99 standard and is responsible for updating it. Of particular interest among the many documents available at the site is the rationale for C99, which explains the reasons for the changes made in the standard.

Lysator ([www.lysator.liu.se/c/](http://www.lysator.liu.se/c/)). A collection of links to C-related web sites maintained by Lysator, an academic computer society located at Sweden's Linköping University.