C++ Compiler	URL of C++11 feature descriptions
IBM® XL C/C++	`www.ibm.com/developerworks/mydeveloperworks/blogs/5894415f-be62-4bc0-81c5-3956e82276f3/entry/xlc_compiler_s_c_11_support50?lang=en`
Clang	`clang.llvm.org/cxx_status.html`
EDG ecpp	`www.edg.com/docs/edg_cpp.pdf`

Fig. 1.29 | C++ compilers that have implemented major portions of C++11.

Boost C++ Libraries

The **Boost C++ Libraries** are free, open-source libraries created by members of the C++ community. They are peer reviewed and portable across many compilers and platforms. Boost has grown to over 100 libraries, with more being added regularly. Today there are thousands of programmers in the Boost open source community. Boost provides C++ programmers with useful libraries that work well with the existing C++ Standard Library. The Boost libraries can be used by C++ programmers working on a wide variety of platforms with many different compilers. Some of the new C++11 Standard Library features were derived from corresponding Boost libraries. We overview the libraries and provide code examples for the "regular expression" and "smart pointer" libraries, among others.

Regular expressions are used to match specific character patterns in text. They can be used to validate data to ensure that it's in a particular format, to replace parts of one string with another, or to split a string.

Many common bugs in C and C++ code are related to pointers, a powerful programming capability that C++ absorbed from C. As you'll see, **smart pointers** help you avoid errors associated with traditional pointers.

1.15 Keeping Up to Date with Information Technologies

Figure 1.30 lists key technical and business publications that will help you stay up to date with the latest news and trends and technology. You can also find a growing list of Internet- and web-related Resource Centers at `www.deitel.com/resourcecenters.html`.

Publication	URL
ACM TechNews	`technews.acm.org/`
ACM Transactions on Accessible Computing	`www.gccis.rit.edu/taccess/index.html`
ACM Transactions on Internet Technology	`toit.acm.org/`
Bloomberg BusinessWeek	`www.businessweek.com`
CNET	`news.cnet.com`
Communications of the ACM	`cacm.acm.org/`

Fig. 1.30 | Technical and business publications. (Part 1 of 2.)

Publication	URL
Computerworld	www.computerworld.com
Engadget	www.engadget.com
eWeek	www.eweek.com
Fast Company	www.fastcompany.com/
Fortune	money.cnn.com/magazines/fortune/
IEEE Computer	www.computer.org/portal/web/computer
IEEE Internet Computing	www.computer.org/portal/web/internet/home
InfoWorld	www.infoworld.com
Mashable	mashable.com
PCWorld	www.pcworld.com
SD Times	www.sdtimes.com
Slashdot	slashdot.org/
Smarter Technology	www.smartertechnology.com
Technology Review	technologyreview.com
Techcrunch	techcrunch.com
Wired	www.wired.com

Fig. 1.30 | Technical and business publications. (Part 2 of 2.)

1.16 Web Resources

This section provides links to our C++ and related Resource Centers that will be useful to you as you learn C++. These include blogs, articles, whitepapers, compilers, development tools, downloads, FAQs, tutorials, webcasts, wikis and links to C++ game programming resources. For updates on Deitel publications, Resource Centers, training courses, partner offers and more, follow us on Facebook® at `www.facebook.com/deitelfan/`, Twitter® `@deitel`, Google+ at `gplus.to/deitel` and LinkedIn at `bit.ly/DeitelLinkedIn`.

Deitel & Associates Websites

`www.deitel.com/books/cpphtp9/`
The Deitel & Associates *C++ How to Program, 9/e* site. Here you'll find links to the book's examples and other resources.

`www.deitel.com/cplusplus/`
`www.deitel.com/visualcplusplus/`
`www.deitel.com/codesearchengines/`
`www.deitel.com/programmingprojects/`
Check these Resource Centers for compilers, code downloads, tutorials, documentation, books, e-books, articles, blogs, RSS feeds and more that will help you develop C++ applications.

`www.deitel.com`
Check this site for updates, corrections and additional resources for all Deitel publications.

`www.deitel.com/newsletter/subscribe.html`
Subscribe here to the *Deitel® Buzz Online* e-mail newsletter to follow the Deitel & Associates publishing program, including updates and errata to *C++ How to Program, 9/e*.