

# C++ Club Meeting Notes

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- ▶ [Home page](#)
  - ▶ [Reddit](#)
- ▶ Annual community licence (renewable)
- ▶ For academic and small-business use (up to 5 developers in a team, annual revenue up to \$5000)
- ▶ Requires .NET 3.5 (!)
  - ▶ [Installation instructions for Windows 10](#)

- ▶ Announcement
  - ▶ Reddit
- ▶ Book: Professional CMake – \$30
  - ▶ Reddit

# MSVC Preprocessor Progress towards Conformance

- ▶ MSVC blog post
  - ▶ Reddit

- ▶ [Guy Davidson's blog](#)
- ▶ [Reddit thread](#)
- ▶ [CppCast episode](#)

# Four Habit-Forming Tips to Faster C++

Post by KDAB

1. Make use of the (named-) return-value optimisation (YES)
2. Return parameters by value whenever possible (YES)
3. Cache member-variables and reference-parameters (NO/MAYBE)
4. Organize your member variables intelligently (YES)

- ▶ P1108R0
  - ▶ [Reddit](#)

*This paper proposes a `web_view` facility for the C++ standard library. This facility enables modern, natural, multimodal user interaction by leveraging existing web standards and technologies.*

Part of the book [C++17 – The Complete Guide](#) by Nicolai Josuttis (Draft available now)



- ▶ Post
  - ▶ Reddit



# In-Place Construction for `std::any`, `std::variant` and `std::optional`

- ▶ Post by Bartek Filipek
  - ▶ [Reddit](#)

# C-Rez: A small tool to generate C arrays of data from a list of input files

- ▶ [Code \(MIT\)](#)
  - ▶ [Reddit](#)
- ▶ [p1040R0 std::embed by JeanHeyd Meneide](#)
  - ▶ [Implementation](#)

# Book: The Modern C++ Challenge

- ▶ [Review by Scott Meyers](#)
- ▶ [Book page \(Packt\)](#)

# Everything You Need to Know About `std::any` from C++17

► [Post by B. Filipek](#)

► [Post](#)

## Coding Guideline: Avoid const member variables

- ▶ [Reddit](#)
- ▶ [Functional C++ for Fun and Profit, by Phil Nash](#) advocates using const member variables and builder pattern

(To be continued...)



Unknown:

*Every company has a test environment. Some are lucky enough to also have a production environment.*