C++ Club Meeting Notes

Gleb Dolgich

2018-06-21

Rapperswil trip reports

- ▶ Botond Ballo
- ▶ CppCast

The Register interview

- ► The Reg
- ► Reddit thread

Bjarne Stroustrup: Remember the Vasa

- ▶ P0977r0
 - Reddit thread
 - ► Robert Ramey's reply



Louis Dionne goes to Apple



Twitter: C++ Core Guidelines and Microsoft's James McNellis (1)



Twitter: C++ Core Guidelines and Microsoft's James McNellis (2)



Twitter: C++ Core Guidelines and Microsoft's Kenny Kerr



Unions and type punning in C++

```
1 union CurrencyCode {
2     char code[4];
3     unsigned int hash;
4 }
```

- C++ Core Guidelines: Don't use unions for type punning
- ► SO: Accessing inactive union member
- ▶ John Regehr: Type Punning, Strict Aliasing, and Optimization
- ► C++ standard committee mailing list: Unions and UB

Builder Pattern with Fluent API

```
Post
```

```
1 class Email {
   public:
3
4
       static EmailBuilder make();
5
  };
6
   class EmailBuilder {
8
9
       operator Email&&() { return std::move(m_email); }
  private:
11
       Email m_email;
12 }
13
14 EmailBuilder Email::make() { return EmailBuilder(); }
```

Builder Pattern with Fluent API (cont.)

Before/after tables ("Tony Tables") for C++17 and C++20 by Tony van Eerd

- ► C++20
- ► C++17

C++ Now 2018 Videos

▶ Playlist

Twitter



Twitter

