Editor's Report

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Editorial policy

Much of the RM needs improvement

• Resolutions of the committee (if any) are incorporated into the working paper
• Messages (preferably email) to the editor
  • Typos and thinkos are fixed with thanks
  • Substantive or controversial issues are referred to the appropriate subcommittee
• Issues brought up on the reflectors that seem clearly correct and non-controversial are incorporated
• The committee can undo any of the editor's decisions at the next meeting
Declarators

Still not quite satisfactory

• Previous version inherited from K&R 1st edition

In a declaration $T\ D$ where $D$ has the form

$\star\ cv$-qualifier-seq$_{opt}$ $D1$

the type of the contained identifier is

"... cv$-$qualifier-seq pointer to $T$ ."

• What about int **p; ?
• Goal is to provide a procedure for analyzing
declarations into "deep types"

Compatible types

• An important notion in C
• Mostly replaced by exact match
• Some "adjustment" of types, e.g.,
array name to pointer
Other items

- Replacement index available
- When a class need not be defined (Chapter 3)
  - Still needs to be more precise
  - When do casts work?
- Enumerations are no longer integral types
  - They can be promoted to integers
  - a++ or a = 3 (where a is an enumeration variable) is no longer allowed
  - Some places now say "enumeration or integral type" instead of just "integral type"

More other items

- Order of evaluation of subexpressions
- Conversions from integral to enumeration (too Draconian?)
- Syntax changes in base-specifier and new-initializer
- Initialization of aggregates with const or reference members
- When a default constructor or assignment operator is generated
Open issues

- Assignment of objects with virtual base classes
- Formal & actual or parameter & argument?