1 Introduction

(1) It is in the explicit charter of this standards body to define necessary extensions for the C++ language, with Garbage Collection explicitly included in the list to be considered. This paper proposes to add Garbage Collection to the language.

2 Garbage Collection

(1) The C++ language has grown out of hand, indiscriminately including both good and bad ideas. We need a mechanism to weed out the good features from the bad. Or at least, having recognized a feature as bad, we need a mechanism to convey that information.

(2) I propose to add a new chapter, “Garbage Collection,” to the Working Paper. This chapter would contain documentation for all garbage features of the language. These features would be included in the new conformance category defecated features. These are features that, when accepted by the compiler, cause the user to emit diagnostics, probably through the vendor’s technical support organization.

(3) If approved, the initial contents of this chapter should include
   • Multiple Inheritance
   • Pointers to Members
   • Local classes
   • Old “new-style” casts
   • Anonymous unions
   • “<>” as template delimiters

3 Acknowledgments

(1) The good ideas presented here are from Mike Anderson. The bad ones are mine.