A Bibliography

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TURING CENTENNIAL CELEBRATION
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Note: *Ph.D. theses and conference proceedings have been excluded, for the most part, as well as very elementary text books. A comprehensive survey is impossible, but the current list has tried to indicate some of the history and development of the **intertwining strands** of λ-calculus, logic, recursive-function theory, category theory, and programming-language semantics.*

A Selective Compliation

*A very helpful review of the subject of the λ-calculus is in the first reference, and the memoirs by Alonzo Church's two early students are also useful in checking history. The thesis by Rod Adams gives a very careful survey of early literature. A somewhat revisionist view of the history of recursive function theory with many helpful references is found in the Soare paper. Jones and Simonsen fill out ideas related to machine structure. The whole Royal Society volume is devoted to **The Turing Legacy.** And Plotkin also recently wrote on operational semantics. The older collection edited by Rolf Herken, **The Universal Turing Machine: A Half-Century Survey**, has many, many excellent historical discussions by Kleene, Gandy, Davis, Feferman, and others. The papers of Davis and Sieg give very detailed historical reviews of the early 1930s. The recent conference **Church's Thesis After 70 Years** (Olszewski, et al. eds. 2006) has many interesting discussions.*

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And, no, I have not read — or even seen — all these books!

Suggestions, corrections and additions would be appreciated, so please send e-mail to `dana.scott@cs.cmu.edu` *with the subject heading:* `Lambda calculus`.

The question of finding the the most recent edition of a book is vexing, but Amazon.com was quite helpful. Bibliographies of several books and papers were "mined", and of course all these books themselves also give references to the ever more vast journal literature.

*There is also the problem — in outlining history — of comparing the date of **discovery** to the date of **publication**.
Perhaps there are many such confusions in this survey.*