

APPENDIX B. ACKNOWLEDGMENTS FROM EARLIER VERSIONS

Acknowledgments from earlier versions of this manual are repeated in this appendix.

ACKNOWLEDGMENTS FOR ORIGINAL VERSION

Impetus for the development of a comprehensive users' guide for SAMMY was provided by those brave souls who struggled through a SAMMY analysis without benefit of such a guide. Foremost on this list of data analysts are Claire Perey, Bob Carlton, and Berger Folgelberg, whose comments, suggestions, and error-detection abilities have greatly enhanced both the user-friendly aspects and the accuracy of SAMMY. Other users, too numerous to mention, have also contributed to the continuing process of maintaining and upgrading the code.

Programming help from Jack Craven and Connie Malarkey is gratefully acknowledged: Jack, for devising a method of automatically increasing array sizes as needed, and Connie, for converting SAMMY to the ORIC VAX computer, and in the process discovering a few obscure bugs.

The assistance of Francis Perey in interpreting results and understanding subtleties of Bayes' method has proven invaluable. Francis has also contributed ideas for extension of the code, some of which have already been incorporated into the present version and others of which are being studied for incorporation into the next version of SAMMY.

Thanks to Claire Perey, Francis Perey, and Gerard de Saussure for permitting the use of their preliminary analyses as examples of SAMMY runs. Special thanks to Claire Perey for a careful review of this report. Her efforts have resulted in elimination of a number of obscurities, ambiguities, and just plain errors.

Lastly, the author wishes to thank Bobbie Roth for her patient efforts in typing this manuscript and especially for producing the complicated tables presented in the later sections of this report.

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SAMMY users throughout the world continue to provide inspiration, encouragement, and support for the author's endeavors to improve and extend the code; the author is grateful for their interest. Among these are Luiz Leal of ORNL and the research staff of ORELA. In addition the author wishes to thank Ann McCoy, who patiently typed the first drafts of most pages in this revision.

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As always, the development of SAMMY is heavily influenced by the many SAMMY users throughout the world who provide their suggestions, comments, criticisms, and even occasional praise for the code and the manual. In addition to those persons mentioned in earlier acknowledgments (most of whom are still contributing but whose names will not be repeated here), several newcomers have recently made important contributions: among these are Dan Bardayan, Jeff Blackmon, Michael Heil, Gilles Noguere, and Arjan Plompen. Again my apologies for inadvertent omissions from this list.

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Nearly three decades of my life have been devoted to the development of the SAMMY code. This endeavor has proven to be often challenging, sometimes exciting, seldom boring, occasionally frustrating, frequently bewildering, but always worthwhile. This revision of the SAMMY manual will likely be the final one for which I am sole author. While the code is expected to remain in widespread use, future development will require ventures into arenas foreign to my innate abilities and training: graphical user interfaces, modern programming languages, sophisticated data storage and retrieval systems, and other unforeseeable innovations. People younger and more energetic than I will become involved in those ventures.

Enough about the future. With regard to the present work, ideas from many people have contributed to this effort. Special thanks go to the members of the ORNL Nuclear Data Group, who have never shied from asking for new or upgraded features in the code and who willingly and happily accept the responsibility of testing those features after they are implemented. In alphabetical order, members of the ORNL NDG are Goran Arbanas, Herve Derrien, Mike Dunn, Maurice Greene, Klaus Guber, Liuz Leal, Royce Sayer, and Dorothea Wiarda.

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Reviewing a document like this one is a formidable task, and the author is deeply indebted to everyone who participated in that effort. David Davis, who carefully read the first draft of Section II and politely pointed out my mistakes, has earned my gratitude (as well as my admiration for his endless patience). Official peer reviews of the various pieces of this document were performed by the following ORNL personnel (in alphabetical order): Goran Arbanas, Jeff Blackmon, Herve Derrien, Maurice Greene, Paul Koehler, Luiz Leal, Royce Sayer, and Dorothea Wiarda. Each of these people offered valuable suggestions which have improved the accuracy, legibility, and usefulness of this document, and I am grateful for their conscientiousness. Thanks also go to Joyce Echols, who carefully checked all the links in the pdf file; any remaining problems with the links were introduced by this author after Joyce completed her testing. Finally, thanks to technical editors Debbie Stevens and Marsha Savage, whose advice and assistance were invaluable in producing a high-quality document.

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