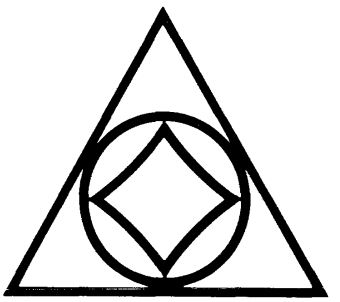

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1. 1951 Joint AIEE-IRE Computer Conference, Philadelphia, December 1951
2. 1952 Joint AIEE-IRE-ACM Computer Conference, New York, December 1952
3. 1953 Western Computer Conference, Los Angeles, February 1953
4. 1953 Eastern Joint Computer Conference, Washington, December 1953
5. 1954 Western Computer Conference, Los Angeles, February 1954
6. 1954 Eastern Joint Computer Conference, Philadelphia, December 1954
7. 1955 Western Joint Computer Conference, Los Angeles, March 1955
8. 1955 Eastern Joint Computer Conference, Boston, November 1955
9. 1956 Western Joint Computer Conference, San Francisco, February 1956
10. 1956 Eastern Joint Computer Conference, New York, December 1956
11. 1957 Western Joint Computer Conference, Los Angeles, February 1957
12. 1957 Eastern Joint Computer Conference, Washington, December 1957
13. 1958 Western Joint Computer Conference, Los Angeles, May 1958
14. 1958 Eastern Joint Computer Conference, Philadelphia, December 1958
15. 1959 Western Joint Computer Conference, San Francisco, March 1959
16. 1959 Eastern Joint Computer Conference, Boston, December 1959
17. 1960 Western Joint Computer Conference, San Francisco, May 1960
18. 1960 Eastern Joint Computer Conference, New York, December 1960
19. 1961 Western Joint Computer Conference, Los Angeles, May 1961
20. 1961 Eastern Joint Computer Conference, Washington, December 1961
21. 1962 Spring Joint Computer Conference, San Francisco, May 1962
22. 1962 Fall Joint Computer Conference, Philadelphia, December 1962
23. 1963 Spring Joint Computer Conference, Detroit, May 1963
24. 1963 Fall Joint Computer Conference, Las Vegas, November 1963

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PREFACE

This volume provides the permanent record of the Technical Program of the 1963 Fall Joint Computer Conference.

In organizing the program, specific attention was directed toward providing a broad cross-section of material which covered all aspects of the field and reversing the trend toward concentration on software apparent in the past few Conferences. The accomplishment of this goal is exhibited by the large number of papers contained herein, encompassing hardware, software, systems, and applications. In addition, a group of papers presents specific proposals for the application of computers to important social problems.

The volume contains the full text of the 55 papers selected for presentation and discussion at the Conference. It represents the culmination of much hard work by many people—in particular, the authors, to whom we are indeed grateful for their contributions; the Technical Program Committee, session chairmen, panelists, and reviewers who put together the program; and the entire Conference Committee whose untiring efforts made the Conference possible.

JAMES D. TUPAC
Conference Chairman
1963 FJCC

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