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**PROCEEDINGS OF THE 1969 CLINIC  
ON LIBRARY APPLICATIONS  
OF DATA PROCESSING**



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**PROCEEDINGS OF THE 1969 CLINIC  
ON LIBRARY APPLICATIONS  
OF DATA PROCESSING**

**Papers Presented at the  
1969 Clinic on Library Applications  
of Data Processing  
Conducted by The University of Illinois  
Graduate School of Library Science  
April 27-30, 1969**

**PROCEEDINGS OF THE 1969  
CLINIC ON LIBRARY APPLICATIONS  
OF DATA PROCESSING**

Edited by  
**DEWEY E. CARROLL**

University of Illinois  
Graduate School of Library Science  
Urbana, Illinois

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## FOREWORD

The present volume contains the invited papers presented at the seventh annual Clinic on Library Applications of Data Processing held April 27-30, 1969, at Urbana by the Division of University Extension and the Graduate School of Library Science of the University of Illinois.

This year, following the keynote paper by Foster Palmer of Harvard University Library, accounts and analyses of actual operational library case experience were presented by Robert A. Kennedy (for the Bell Laboratories Library System), Thomas K. Burgess (for Washington State University Library), T. C. Dobb (for Simon Fraser University Library), John B. Corbin (for Tarrant County Junior College District Libraries, Fort Worth, Texas), and Calvin J. Boyer and Jack Frost (for Midwestern University Library). Progress reports on major research and developmental efforts were also presented by Ann T. Curran (for the New England Library Information Network), Ben-Ami Lipetz (for Yale University Library), and Stephen R. Salmon (for the Library of Congress). In addition, two papers considering PL/I as a programming language from the vantage point of actual library applications were given by James L. Ames (for Washington State University Library) and Betty Snell (for Simon Fraser University Library).

Because of unforeseen circumstances, the announced paper by Richard Hirsch on the generalized on-line library system at the IBM Advanced Systems Development Division (Los Gatos) could not be incorporated in the present volume. Hirsch's place at the Clinic was filled very ably, however, by his colleague, Charles Hoppel, who gave an in-depth review of the progress at IBM's Los Gatos laboratories which augurs well for future developments in library automation.

Like previous volumes of the Proceedings, the present papers continue to reflect major advances in both the extent and the sophistication of the application of data processing technology in all areas of library operations. Discerning readers will note that the promise of on-line systems has already begun to materialize and that we are now addressing ourselves to questions concerning details and to optimal "mixes" of various on-line and batch processing applications. The truth and impact of the latter observation were underscored for all who attended the Clinic, not only by the masterful accounts of Robert Kennedy, Charles Hoppel, and others who enjoy the utilization of larger third generation hardware systems, but also by the highly entertaining as well as informative report of the imaginative exploitation of smaller second generation computers by Calvin Boyer and Jack Frost.

It is a real pleasure, finally, to acknowledge the cooperative support of other members of the faculty and staff who contributed to this most successful 1969 Clinic: Robert B. Downs, Herbert Goldhor, and Frances B. Jenkins of the faculty of the Graduate School of Library Science; Timothy Sineath, "emeritus" liaison representative with the Division of University Extension, and his successor Susan Holty; and Robert D. Kozlow, Automation Librarian of the University of Illinois.

Dewey D. Carroll  
Clinic Chairman and Editor

Urbana, Illinois  
October 1969

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