

is the paper on computer-aided instruction.

The final contribution, by the editor, F. Wilfrid Lancaster, to a degree corrects a fault of the rest of the collection. Whereas most of the other papers give interesting conclusions without discussion of the pros and cons of the issues involved, Lancaster brings out some of the points which should be debated if computerized library reference services are to be expected to move from the realm of "acceptable," which admittedly has only recently been reached, to a level of excellence.

In spite of the rapidity of the development of the field of on-line systems, with which most of the papers primarily deal, and the fact that the meeting at which they were presented took place over a year ago, the papers included in Lancaster's book are not yet dated, and much of the information contained in them will be relevant and useful for some time to come.

David M. Wax, who contributed one of the papers in Lancaster's collection, has recently produced a book entitled, *A Handbook for the Introduction of On-Line Bibliographic Search Services into Academic Libraries*. Based on the experiences of the Northeast Academic Science Information Center (NASIC) over the past three years, this handbook is intended for "library administrators who are planning to initiate the provision of commercially available on-line interactive search services." Topics covered in the brief but concentrated text include discussions of the staffing, training, organization, costs, and logistics of providing such services. Any library which is either planning or presently involved in on-line search services would be wise to pay close attention to this small but significant book. Both the Lancaster collection, from more of a theoretical viewpoint, and the Wax book, from a very practical perspective, are contributions to their field.—*Randolph E. Hock, University of Pennsylvania Libraries, Philadelphia.*

Ross, Murray G. *The University: The Anatomy of Academe*. New York: McGraw-Hill, 1976. 310p. \$11.95. (LC 75-43957) (ISBN 0-07-053876-X)

Murray George Ross, President Emeritus of Canada's York University, who holds de-

grees from two universities in Canada (Acadia and Toronto) and two universities in the U.S. (Chicago and Columbia), has written an excellent study of the university in three English-speaking countries—England, Canada, and the United States. In his preface Ross says, "This is a book for those who have a general interest in the growth and development of the university, the problems and issues it faces, the future it confronts." And so it is. But it is much more—it is a book that both recalls and interprets events that have profoundly affected universities in the past and will continue to affect them in the future. It is a book that emphasizes certain basic issues in higher education and provides the historical context needed to evaluate these issues and to assess their meaning and importance.

As Ross sees it, the principal issues facing the university are four: goals, governance, academic freedom, and the state. For each of these he provides a summary of key events and a careful review of the pertinent literature. Such an approach has its dangers of necessary but tiresome detail, but the pace and vitality of Ross's writing and his graceful style circumvent all hazards. Perhaps Ross succeeds because he recognizes an element of narcissism in academic people and skillfully exploits the tendency of the university to take great interest in itself. This is not to imply that the book is so specialized as to be of interest only to those in academic life. On the contrary the book will have broad appeal not only because it is well written, but because it is highly informative.

Ross treats thoroughly the great changes that are reshaping the universities, and he does so by extensive quotation from many of the active participants in the academic drama as well as many of its most astute observers. Moreover, the book is marked by great freshness and contemporaneity. Although it begins with a whole section devoted to the origin and evolution of the university and ends with a chapter on the future, in between it is laced with references so current as to suggest something one might have read in last week's issue of *The Chronicle of Higher Education*.

The author claims to have arranged the book for reference purposes, and indeed the

copious footnotes to each chapter, the lengthy bibliography, and the detailed index support this assertion. The generous use of quotations almost suggests "a reader" on the university, but as Ross himself notes, "there is far too much of the author's own words and analysis to permit such a designation." Still, many of the great names are here—Trevelyan, Haskins, and Armytage; Ladd and Lipset, Fritz Machlup, L. R. Veysey, Christopher Jencks, Amitai Etzion, Daniel Bell, MacGeorge Bundy, and Clark Kerr, to name a few—and they are all well used by Ross.

Librarians will look in vain for direct references to libraries or books, but neither is there any mention of computers or non-print media. Ross is not concerned with facilities and services, nor with any of the material aspects of university life. He does not discuss athletics, and he barely mentions the financial side of the academic coin. His concern is with students and professors and the issues that unify or divide them. His concern is with issues that challenge or threaten the university. And his

concern is with the successes and failures of universities and with their past accomplishments and future opportunities.

For all his pains where, finally, does Ross arrive? What does he see ahead for the university? He sees an absolute necessity for the university to clarify its purposes, to establish an effective structure for governance, and to set goals which society will perceive as valuable and supportable. Only then will *esprit de corps* be restored to the academic enterprise.—John P. McDonald, *Director of University Libraries, The University of Connecticut.*

Young, Harold Chester. *Planning, Programming, Budgeting Systems in Academic Libraries: An Exploratory Study of PPBS in University Libraries Having Membership in the Association of Research Libraries.* Detroit: Gale Research, 1976. 227p. \$15.00 (LC 76-10667) (ISBN 0-8103-0264-0)

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