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ABSTRACT
                The 266 items cited include material published since
July 1960, organized in the following ten groups: (1) general
discussion, and feasibility; (2) statewide electronic data processing
(EDP) systems; (3) EDP in local governments; (4) intergovernmental
EDP systems; (5) EDP in the planning agency; (6) data banks and
information systems; (7) computer graphics; (8) information
retrieval; (9) time-sharing and user-oriented systems and (10)
models, gaming, simulation, and operations research techniques.
Publications by or about Federal Government EDP installations and
their applications are excluded. In addition, no attempt was made to
cover all works involving the use of EDP in state or local
governments. Specifically omitted are those writings that pertain to
such limited applications as tax billings, payroll or other
accounting procedures, or specialized fields such as police work or
hospital administration. The references chosen in the governmental
categories are either known or thought to be concerned with general
uses which could conceivably include planning. Other limitations
include the virtual absence of foreign sources and no attempt was
made to cover the field of traffic, transportation, or highway uses
of EDP. (Author/MF)

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COMPUTERS AND INFORMATION SYSTEMS IN PLANNING AND RELATED GOVERNMENTAL FUNCTIONS

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COMPUTERS AND INFORMATION SYSTEMS IN PLANNING AND RELATED
GOVERNMENTAL FUNCTIONS

July 1960 to December 1967

CONTENTS

Introduction

The original subject of this bibliography was to have been limited
to EDP in planning. The intention was to cite only references
relating to planning applications of EDP and the uses being
made by planners of EDP equipment, especially computers.

However, because public planning agencies have both functional
and organizational interrelationships with so many other govern-
mental units, it became clear that such a limitation would be both
difficult for the compiler and impractical for the user. Thus
"EDP in the Planning Agency" became one topic within the broader
scope implied by the present title.

This decision did not solve all problems. For example, although
ten major topics were selected, there are many references that
could fit into more than one of them. References appear only
once, however; thus the user is advised to consult not just one
of the topics, but all topics where overlap might conceivably
occur. The topic classifications serve more as "breaks" than
they do as definitive categories.

This list, for the most part, includes material published since
July 1960. Exchange Bibliography No. 15, "Automatic Data Process-
ing in the Urban Planning Process," by Richard D. Duke, dated
June 1960, lists pertinent references up to that date.

Publications by or about Federal government EDP installations
and applications will not be found in this bibliography. In
addition, no attempt was made to cover all works involving the
use of EDP in state or local governments. Specifically omitted
are those writings that pertain to such limited applications as
tax billings, payroll or other accounting procedures, or specializ-
ed fields such as police work or hospital administration. The
references chosen in the governmental categories are either known
or thought to be concerned with general uses which could conceivably
include planning, if not in fact already doing so. If the source
agency is the planning staff, the listing was put under EDP in
Planning; if the subject is specifically an information system
or data bank at any level, then that heading was used rather than
the appropriate governmental one. This illustrates why there is
considerable and unavoidable overlap within the selected topics.

Other limitations include the virtual absence of foreign sources
(there are a few exceptions). Also, no attempt was made to cover
the field of traffic, transportation, or highway uses of EDP even
though, admittedly, this is a planning-related field. Some material
of this nature is cited, especially if the emphasis is on land use.

Some of the references are of a very elementary nature and are
intended for the novice. Others are highly sophisticated and
would completely lose the neophyte. This situation reflects
the state of the art, not necessarily in the chronological sense
(some of the earliest references describe advanced applications),
but in the sense that computer technology in some planning and
other governmental agencies is a well-entrenched and on-going
function while in others they have only begun to think about its
possibilities. Both extremes, plus those in the middle, should
find useful material listed herein.

Within the texts of these published works, a range of attitudes may
be found, from claims that "computers will be the salvation of our
cities" to pessimistically-phrased questions of whether EDP is
worthwhile. But whether one or the other extreme is right is not
at issue. That computer-based systems for processing and
analyzing information are a tool which might be helpful to planners
and other public administrators in their attempts to find answers
is generally accepted. Only the "when" and "how" continue to
elude.

It is hoped that this bibliography will be useful to those making
such a search.

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