

organization and procedures have developed as a result of hundreds of years of trial and error. We are well advised to depart from the evolved organizations and procedures with deliberateness and great caution. The deliberateness indicated should be expressed in the high importance attached to the analysis of command use of information—particularly the flexibility and adaptiveness of that use.

## Data Retrieval for Project 465L—Strategic Air Command Control System (SACCS)

This report describes our Data Retrieval for Project 465L—the Strategic Command Control System—and some of the things we've learned at data base design along the way.

### I. SACCS

The Strategic Air Command Control System (SACCS) is a computer-oriented man-machine system whose purpose is to assist the staff of the Strategic Air Command in monitoring the status and exercising control of the force. Although SACCS has many hardware components, most of the data processing—the computing—takes place in a computer complex called the Data Processing Central, or DPC.

The system of programs that operates in the DPC is divided into five systems:

- Executive
  - Control
  - Planning
  - Utility and Test
  - Maintenance—Produced by IBM
- } Produced by SDC

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IBM

The Executive subsystem monitors program activity in the DPC. All of other subsystems operate under the supervision of the Executive.

Some of the Executive's responsibilities are:

- Job request recognition and response
- Priority recognition and sequencing of the operation of other systems
- I/O control
- Program control

SAC

Mr. Weisbrod is a member of System Development Corporation's programming staff and works on the SAC Control System.

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PROCEEDINGS OF THE SYMPOSIUM 6143

# Development and Management of a Computer-Centered Data Base

SYSTEM DEVELOPMENT CORPORATION

CORPORATE COMMUNICATIONS

BRT-41

# Contents

	V	Preface
J. C. R. Licklider	1	Introduction
L. S. Christie	8	Data for Dynamic Command
D. L. Weisbrod	15	Data Retrieval for Project 465L—Strategic Air Command Control System (SACCS)
J. H. Bryant	33	AIDS Experience in Managing Data Base Operations
Col. A. K. Swanson	44	A Computer-Centered Data Base Serving USAF Personnel Managers
J. H. Burrows	63	Automated Data Management (ADAM)
E. W. Franks	87	LUCID
R. L. Patrick	97	Adapting Mass Storage Equipment for the Handling of a Data Base
	114	Work Sessions:
R. W. Harris	114	A. <i>Factors Determining the Data Base Content Requirements</i>
E. W. Franks	119	B. <i>Criteria Influencing Data Base Organization or Design</i>
J. J. Guiteras	122	C. <i>Methodology of Collecting Data and Maintaining a Data Base</i>
V. LaBolle	125	D. <i>Economic Considerations Relevant to Data Base Management</i>
G. H. Dobbs	130	Summary

Lib. Sc.  
Z  
699  
59

Lib. Sc.  
Z  
699  
59

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## Preface

The Symposium on the Development and Management of a Computer-Centered Data Base, sponsored by System Development Corporation in operation with the Advanced Research Projects Agency (ARPA), was held in Santa Monica on June 10-11, 1963. Members of organizations having wide experience in the development of computer-centered data bases attended the symposium to explore data-base problems and their solutions.

Mr. J. C. R. Licklider, Director for Information Processing Techniques, Behavioral Sciences, of ARPA, opened the session with introductory remarks, on the morning of Tuesday, June 10. Formal presentations throughout the day were given by Mr. D. L. Weisbrod, Mr. J. H. Bryant, Col. A. K. Hanson, Mr. A. R. Marshall,\* Mr. J. H. Burrows, Mr. E. W. Franks, and Mr. L. Patrick. A question-and-answer session followed each talk, and some of the material from these sessions is included. Dr. L. S. Christie, whose presentation appears as Part II of these Proceedings, spoke at the dinner on Tuesday evening. On Wednesday morning, the symposium participants divided into groups to attend the four simultaneous work sessions, reports of which were written by Dr. R. W. Harris, Mr. E. W. Franks, Mr. J. J. Guiteras, and Mr. V. LaBolle. Reports of the work sessions were reviewed on Wednesday afternoon. The reviews were followed by a summary of the symposium by Mr. G. H. Dobbs.

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A. Walker, Editor  
System Development Corporation

\*Mr. Marshall's presentation is classified Secret and has been issued as a separate volume, TM-1748/000/00. Qualified requestors may obtain copies from Defense Documentation Center, Washington 25, D.C.

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