CMS HISTORY

R3
S3
2

Dept
Computer Center

CMSC

DATA PROCESSING

CENTER

CENTRAL MISSOURI STATE COLLEGE

ANNUAL REPORT SUPPLEMENT

DATA PROCESSING CENTER

March 1967

Director of Data Processing

Jon Rickman

Administrative Computer Runs

SYSTEM	IBM 1620 RUNS	IBM 1401 RUNS
Payroll	0	17
Budget	0	6
Institutional Research	1	4
Testing	2	1
Scheduling	7	3
Library	10	2
Revenue	6	7
Housing	1	6
Student Records	0	11
Student Reports	2	21
	29	76

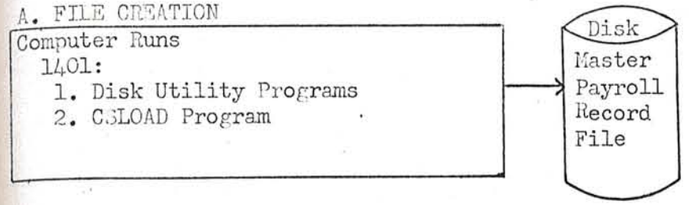
GRAND TOTAL.....105

This is the basic core of the program library. Manual and backup procedure programs were not counted even if they were in the program library. Academic, Research, and Demonstration programs are not in the library.

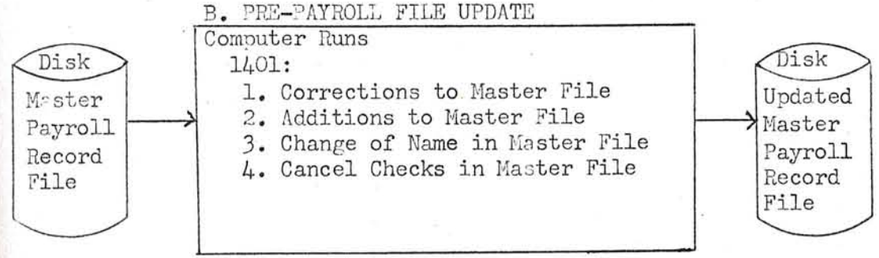
PAYROLL OPERATIONS IN DATA PROCE SING CENTER

(An all new system with all new programs)

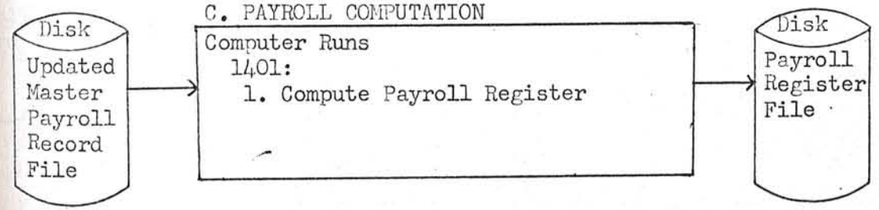
A. FILE CREATION



B. PRE-PAYROLL FILE UPDATE

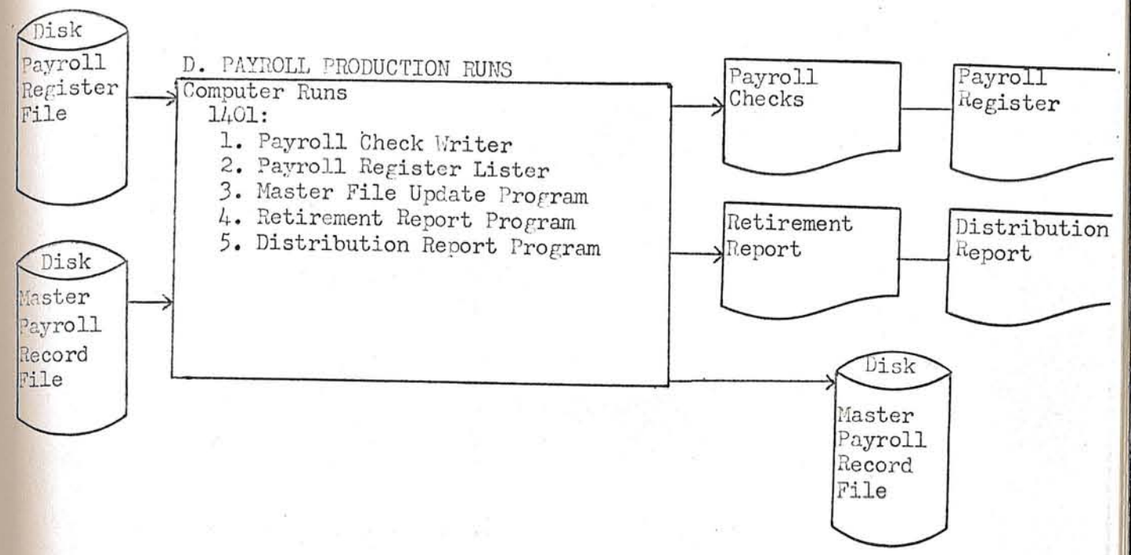


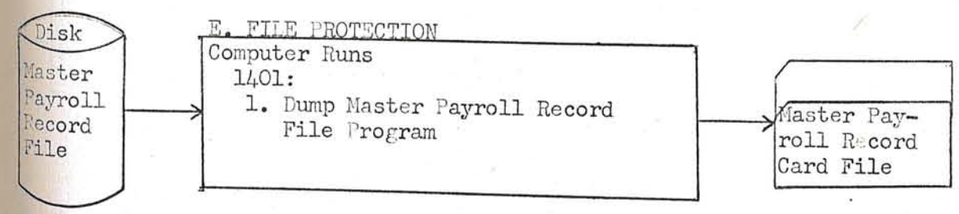
C. PAYROLL COMPUTATION



PAYROLL OPERATIONS CONTINUED

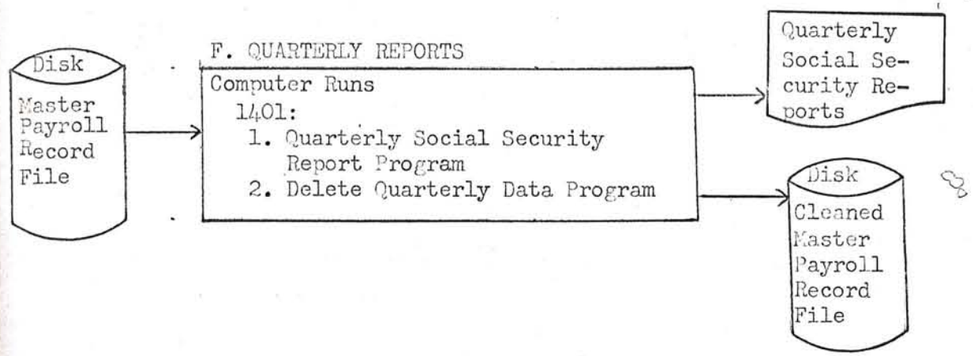
(All new programs)

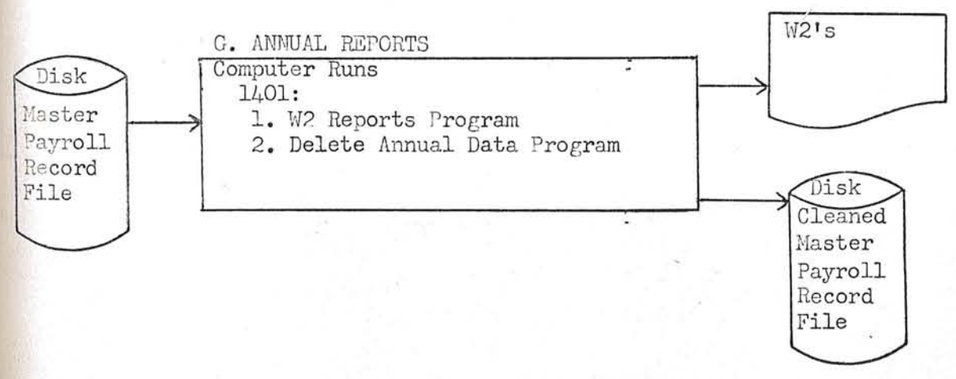




PAYROLL OPERATIONS CONTINUED

(All new programs)





BUDGET OPERATIONS

(All new programs)

A. DAILY TRANSACTIONS

Computer Runs
1401:
1. Daily Transaction Verification Program

→ Verification Audit List

B. MONTHLY PAYMENTS - STATE & LOCAL

Computer Runs
(2 Runs for each Program)
1401:
1. Monthly Payments Verification Programs (2 programs)
2. Payments Report by Budget Code Programs (2 programs)
3. Payments Report by Classification Programs (2 programs)
4. Payments Reports by Check Number Programs (2 programs)

→ Payments Verification Reports → Payments Budget Code Reports

→ Payments Tabulation by Budget Code Reports → Payments by Classification Reports

→ Payments Tabulation by Classification → Payments by Check No. Reports

→ Payments Tabulations by Check No.

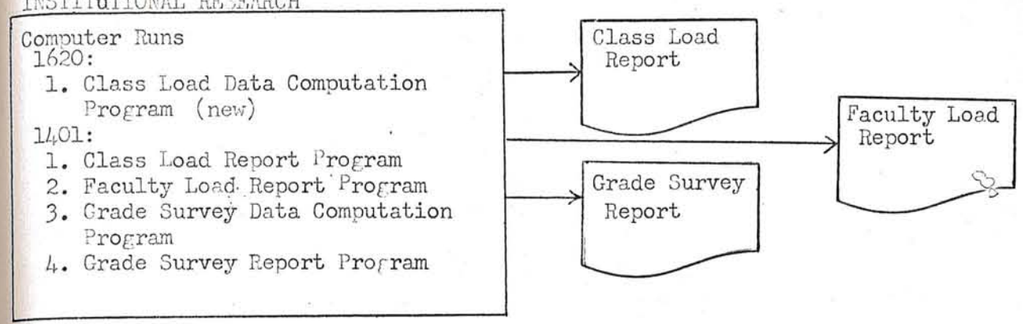
C. MONTHLY BUDGET REPORT

Computer Runs
1401:
1. Monthly Budget Program

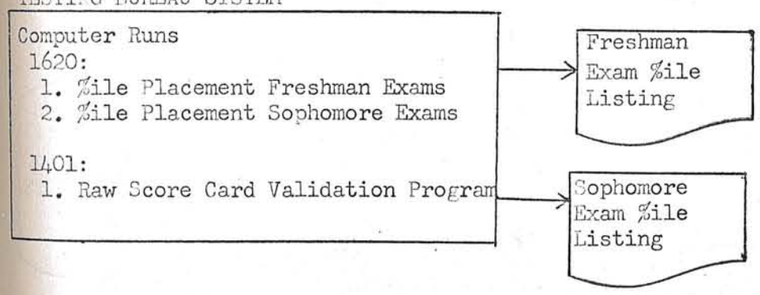
→ Monthly Budget Report → Special Budget Report (Selected Codes)

→ Budget Summary Deck

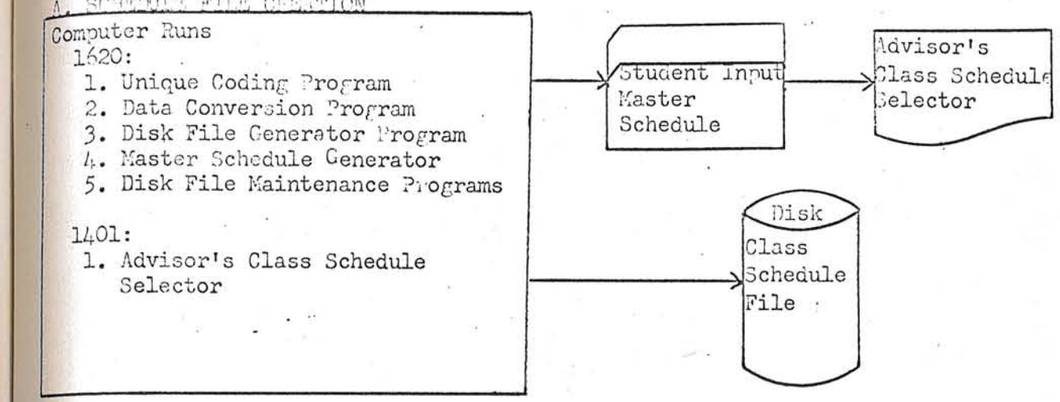
INSTITUTIONAL RESEARCH

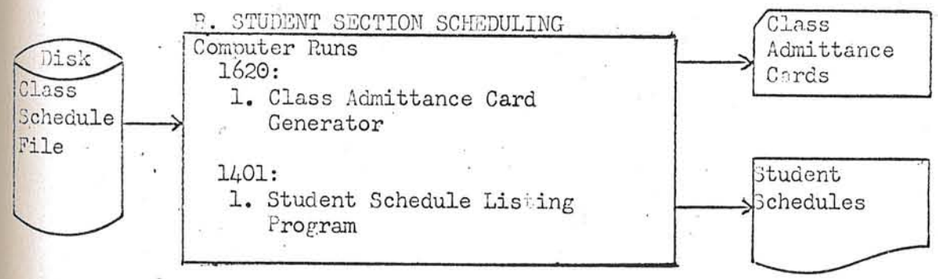


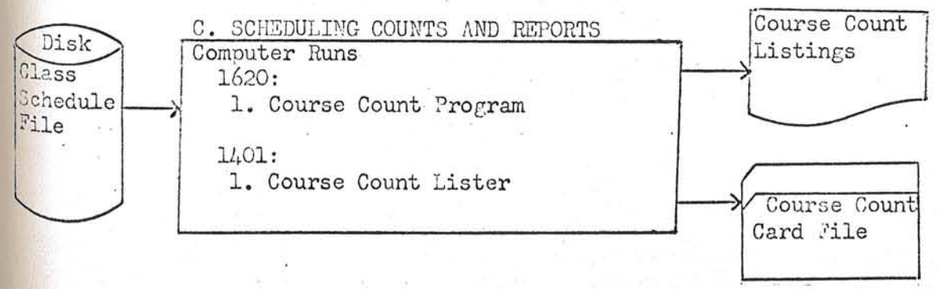
TESTING BUREAU SYSTEM



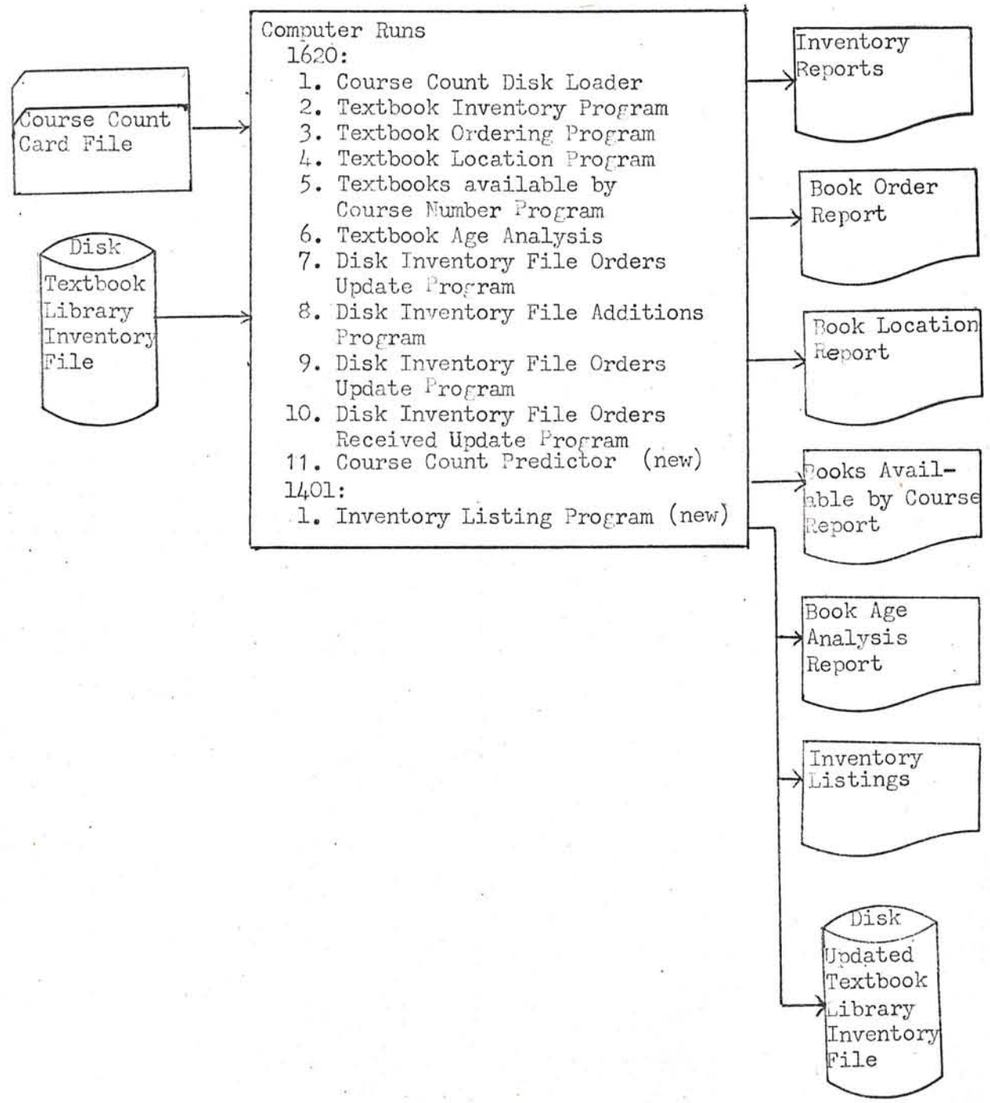
STUDENT SCHEDULING OPERATIONS IN DATA PROCESSING CENTER







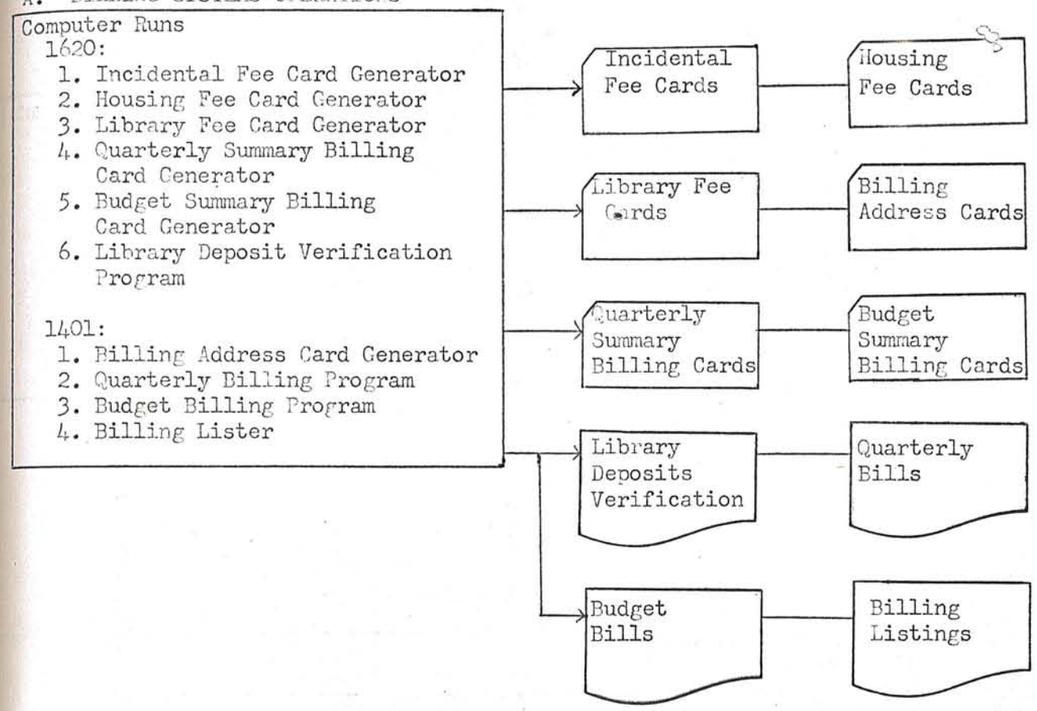
TEXTBOOK LIBRARY SYSTEM IN DATA PROCESSING CENTER



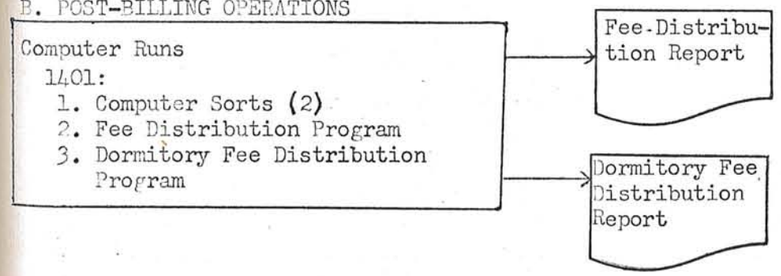
REVENUE OPERATIONS IN DATA PROCESSING CENTER

(All new programs)

A. BILLING SYSTEMS OPERATIONS

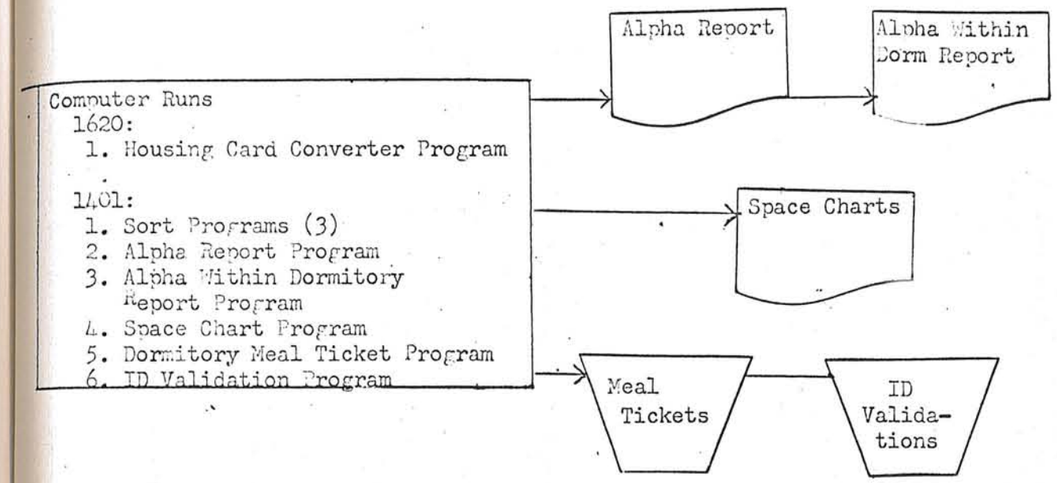


B. POST-BILLING OPERATIONS



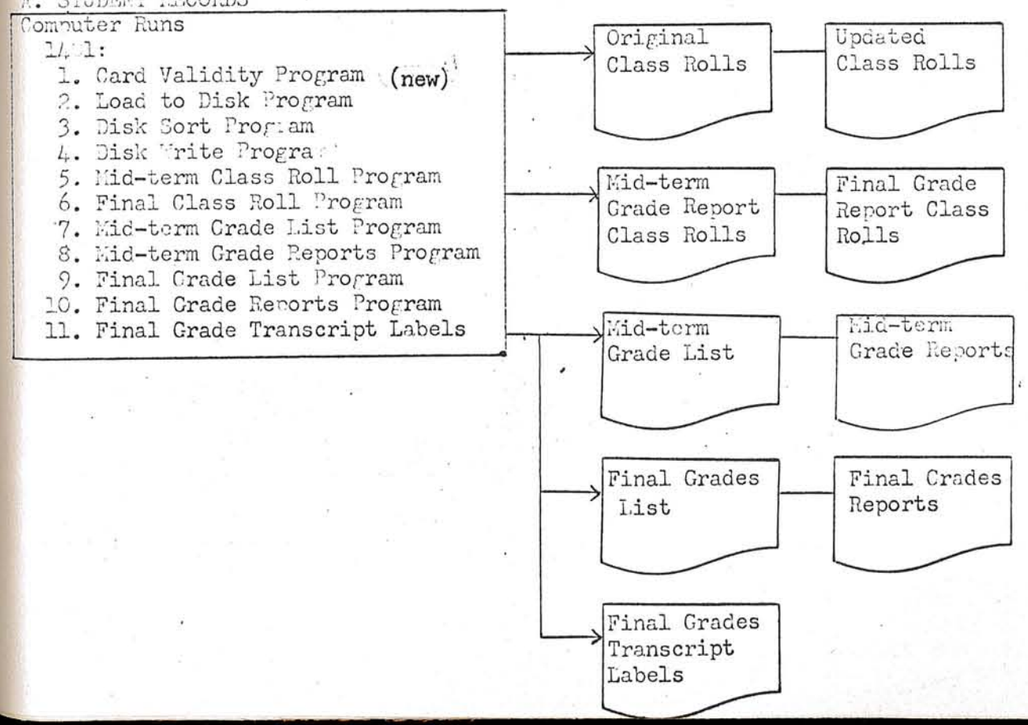
HOUSING OPERATIONS IN DATA PROCESSING CENTER

(All new programs)



STUDENT RECORDS AND PERSONNEL REPORTS

A. STUDENT RECORDS



B. STUDENT PERSONNEL REPORTS

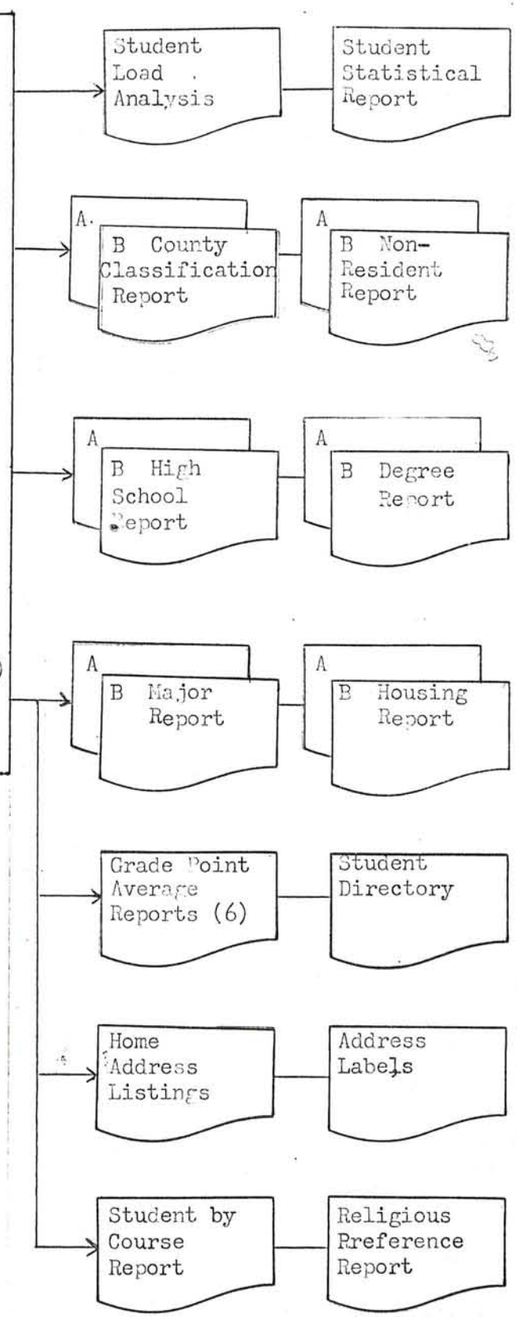
Computer Runs

1620:

1. Student Load Analysis
2. Student Statistical Reports

1401:

1. County Classification Report A
2. County Classification Report B
3. Non-Resident Report A
4. Non-Resident Report B
5. High School Report A
6. High School Report B
7. Degree Report A
8. Degree Report B
9. Major Report A
10. Major Report B
11. Housing Report A
12. Housing Report B
13. Grade Point Average Report Program (6 Runs) (new)
14. Load to Disk Program
15. Disk Sort Program
16. Disk Write Program
17. Home Address List Program
18. Address Label Program
19. Student Directory Program (new)
20. Student by Course Report Program
21. Religious Preference Report



Part III. Data Processing Staff

Growth in Data Processing is many times measured by equipment changes and not by the more important growth of individuals. Personnel in the center have grown from electro-mechanical unit record equipment to computer card systems and on to computer systems with disk files. This not only means a change from instructing machines by board wiring to computer programming but it demands advanced techniques in documentation so that the many individuals concerned with a system can better understand and execute the necessary procedures.

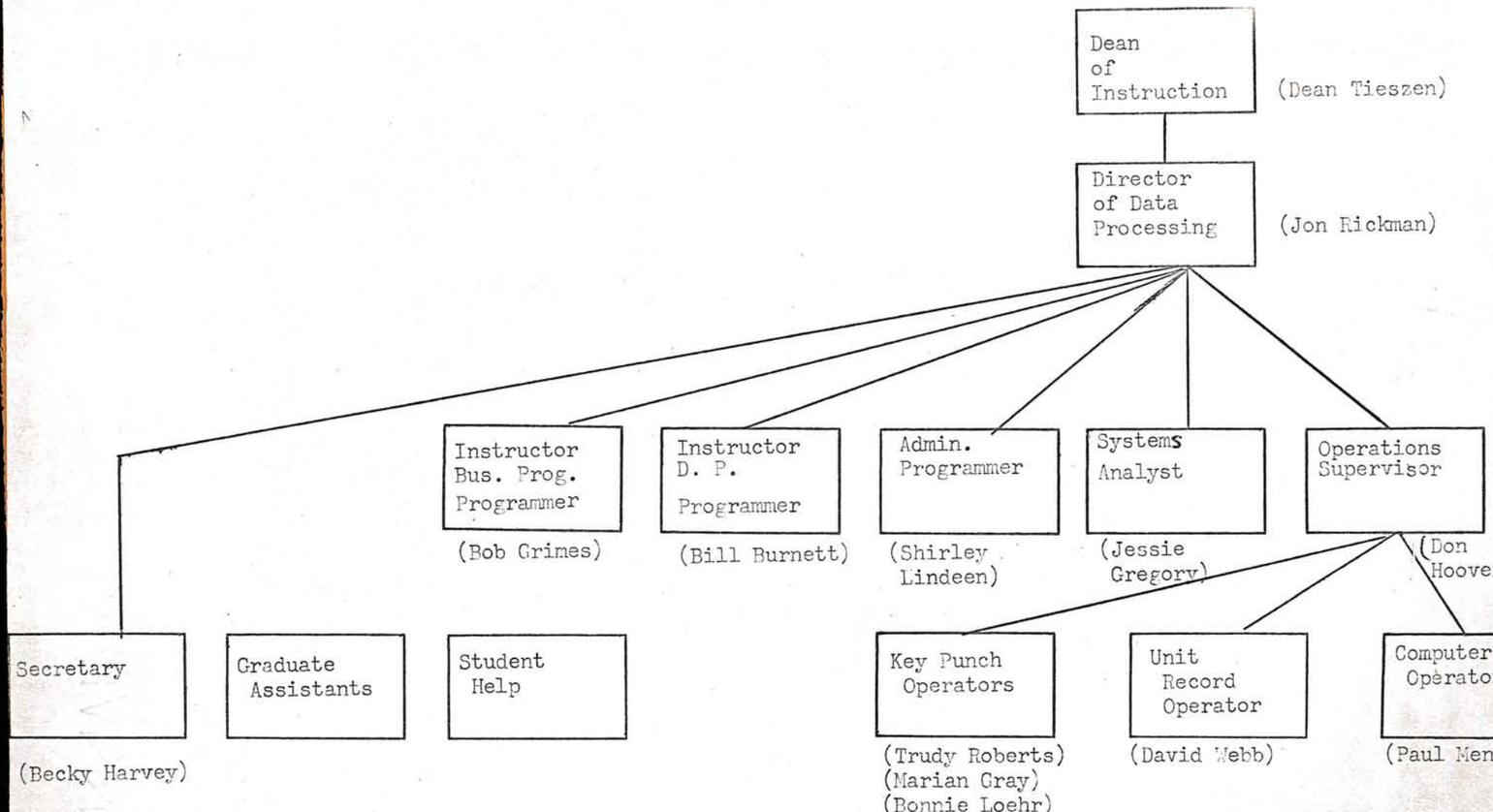
Inherent to complex operations, personnel must specialize in their skills. We have an organization structure in the Data Processing Center which reflects this. We have instructional staff, key punch operators, equipment operators, programmers, and system analysis and design personnel.

It is realized that further specialization must take place as growth occurs. With the many small systems in operation, it has been necessary to assign responsibility for systems to individuals thereby still requiring them to do some designing, programming, and even machine operating rather than assigning people exclusively to their specialty. It is also evident that growth will demand new specialized personnel in file and program library operations, and in computer software maintenance. (Changing and up-dating language translators, sorting, merging, and other utility software.)

Greater teaching loads with new academic programs will also bring about greater specialization.

Winter 1967

ORGANIZATION CHART



Full time instructors in Mathematics who teach computer oriented courses are not shown.