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AUTHOR Du Bois, Dan
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ABSTRACT

The Library Labor Cost Accounting System will provide visibility on current costs of manually processing library materials, at each campus as well as system-wide. The scope of the study includes the following: (1) 100 individual activities, grouped into 14 functional areas, e.g., Ordering, Receiving; and into 3 major operations: Acquisitions, Cataloging, Administration; (2) Hours spent and hourly rate, extended to dollar cost; (3) Level of skill, e.g., professional librarian, clerk, etc.; (4) Media, e.g., books, periodicals, A/V; and (5) Average unit cost as well as total cost. Output from the study will consist of three summaries and a detail report. Each summary report consists of one page, and reflects all nineteen campuses. The detail report displays statistics on each activity, for each media, for each campus. In addition to demonstrating current costs, the study should provide a basis for examining the cost-effectiveness of potential automation of various library activities. To accommodate this later application, the system makes extensive use of tables. Three programs are being prepared, to input the raw data and output the reports. It is envisioned that these programs may also be utilized for examining other library costs, such as circulation control, should that prove desirable.
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(LSP)

Office of the Chancellor
The California State University and Colleges

1972

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Section 1

APPROVAL



LIBRARY SYSTEMS PROJECT

APPROVAL SHEET

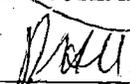
SYSTEM: Library Labor Cost Accounting System

PROGRAM ID/NAME: D500-004 EDIT; D500-006 MERGE; D500-008 FORMAT

DATE: 10/16/72

APPROVAL SIGNATURE:

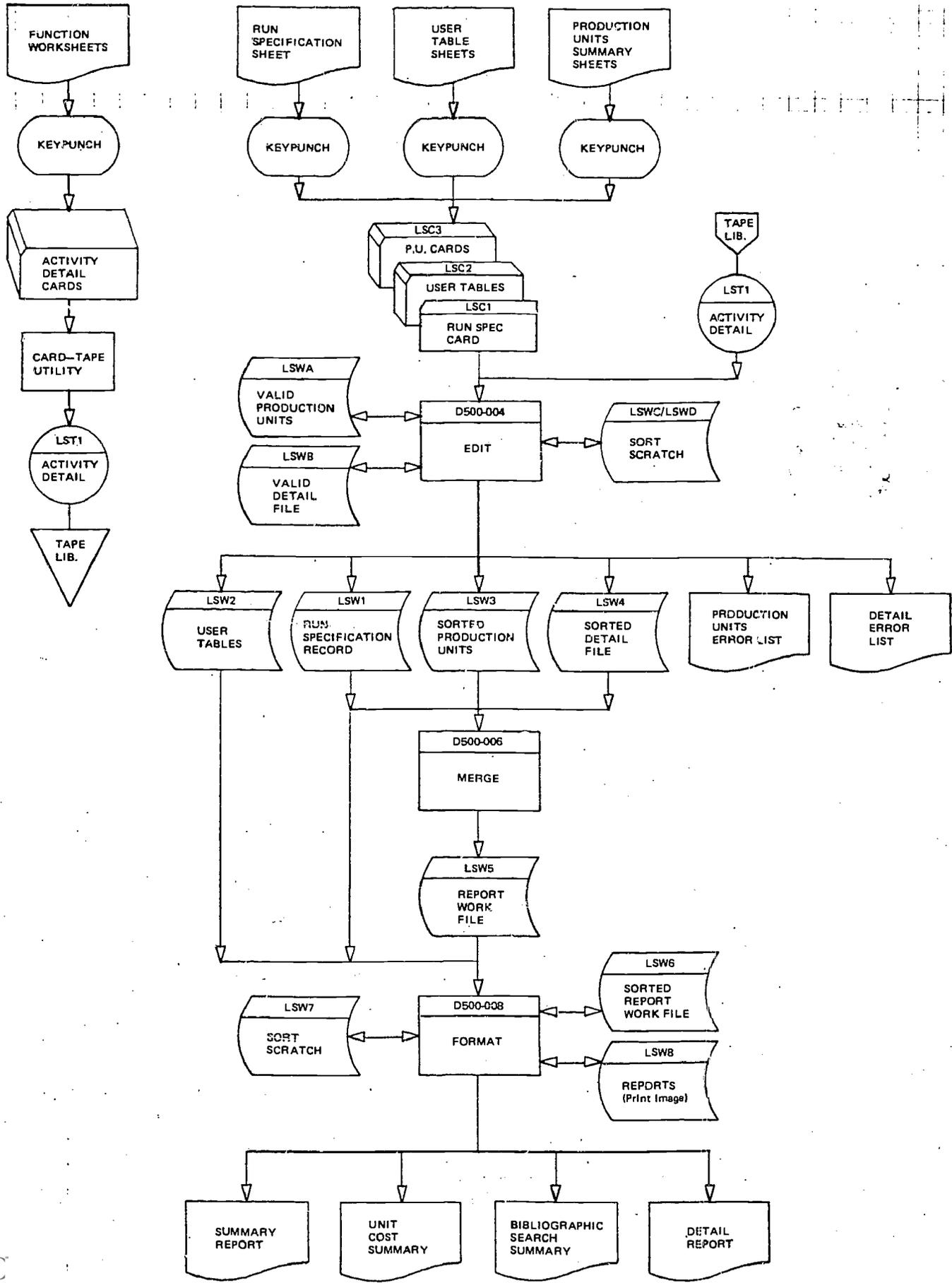

LIBRARY SYSTEMS PROJECT


INFORMATION SYSTEMS


ANALYST

Section 2

SYSTEM AND PROCEDURE CHART



Section 3

NARRATIVE

The California State University and Colleges

Division of Information Systems

Project Abstract

Project Area: Library Systems
Project Title: Library Labor Cost Accounting System
Project Code: D500
Project Date: August 1, 1972

Project Description: The Library Labor Cost Accounting System will provide visibility on current costs of manually processing library materials, at each campus as well as system-wide. The scope of the study includes the following:

- . 100 individual activities, grouped into 14 functional areas, e.g., Ordering, Receiving; and into 3 major operations: Acquisitions, Cataloging, Administration.
- . Hours spent and hourly rate, extended to dollar cost.
- . Level of skill, e.g., professional librarian, clerk, etc.
- . Media, e.g., books, periodicals, A/V.
- . Average unit cost as well as total cost.

Output from the study will consist of three summary and a detail report. Each summary report consists of one page, and reflects all nineteen campuses. The detail report displays statistics on each activity, for each media, for each campus.

In addition to demonstrating current costs, the study should provide a basis for examining the cost-effectiveness of potential automation of various library activities. To accommodate this later application, the system makes extensive use of tables.

Project Plan: Three programs are being prepared, to input the raw data and output the reports. Previously, source documents were prepared by library personnel at each campus, covering a period of twelve continuous weeks. These source documents are now being keypunched. It is anticipated that the reports will be produced sometime in September, 1972.

It is envisioned that these programs may also be utilized for examining other library costs, such as circulation control, should that prove desirable.

Project Resources

Project Leader: Dan Du Bois

Estimated Effort: 28 man days

SYSTEM NARRATIVE

The attached Project Abstract provides a general overview of what the system accomplishes. This narrative briefly describes the input source documents, the output reports, the intermediate work files, and the processing functions of each program. These components are as follows:

SOURCE DOCUMENTS

1. Run Specification Sheet
2. User Tables
3. Production Units Summary Sheets
4. Function Worksheets (for capturing Activity Detail)

INPUT FILES

1. Run Specification Card
2. User Table Card File
3. Production Unit Card File
4. Activity Detail Tape

OUTPUT REPORTS (All except #5 are optional per Run Specs)

1. Summary Report
2. Unit Cost Summary
3. Bibliographic Search Summary
4. Activity Detail Report
5. Production Units Error List
6. Activity Detail Error List
7. Sorted Detail Error List

WORK FILES

1. Valid Production Units File (unsorted and sorted)
2. Valid Detail File (unsorted and sorted)
3. Report Work File (unsorted and sorted)

PROGRAMS

1. Utility Card to Tape
2. D500-004 Edit
3. D500-006 Merge
4. D500-008 Format

The remainder of the narrative consists of a brief discussion of each of the above components.

SOURCE DOCUMENTS

I. RUN SPECIFICATION SHEET

This document is prepared by the individual who is responsible for liaison with EDP operations. When keypunched, one Run Specification Card is input for each run of the system. It controls all options that may be exercised by the user. These options are described completely elsewhere in the documentation. This document is a mandatory input.

II. USER TABLES

As the name implies, user tables are formulated entirely by the user to meet his own unique requirements. This includes the choice of codes/literals, and the number of entries in each table. No special source document is required; any multi-purpose 80-column keypunch sheet will do. Formats are as shown in the record layouts. Each table entry, when keypunched, becomes one 80-column card. The User Tables are then input to the system and retained on a disk file. This disk file may be saved, or may be re-written in a subsequent run by re-inputting the table cards. The purpose and function of each table is as follows:

Table T1 - Library Table.

There is an entry in this table for each library participating in the Cost Study. Each participating library is represented by a two-position code; this is the same code used by each participant to identify itself on Production Unit Summary Sheets and Function Worksheets. In each table entry, this two-position Library Code is associated with a one-character alpha literal, to be used for display in all reports. The function of the Library Table is two-fold:

- 1) to validate input from Production Units, and Function Worksheets;
- 2) To disguise the identity of participating libraries on the output reports.

Table T2 - Media Table.

There should be an entry in this table for each medium represented in the Cost Study, e.g., books, phonodisks, periodicals. Each table entry contains a media code, and a display literal. The range of media to be included in the Cost Study must be determined by the user at the outset. The codes utilized are the same as those used by participants when filling out worksheets. The display literals appear in the various report headings. Note that discrete EDP runs may examine each medium selected, or include all media, per Run Specification option. This table is used internally for edit validation of input from participants, and for translation of codes for display on reports.

SOURCE DOCUMENTSII. USER TABLES (cont'd)Table T3 - Class Code Table

Worksheets from participants contain a four-digit Employee Classification Code. The number of allowable Class Codes is potentially open-ended; each must be represented by an entry in this table for edit validation. Each table entry also contains a "Class Type," which identifies the entry as one of four major categories, i.e., Professional Librarian, Library Assistant, Clerical, and Student Assistant. This Class Type is used in conjunction with Table T8 for display on output reports.

Table T4 - Operation Table

The function of this table is to equate a one-digit operation number (which is carried by internal work files) with an appropriate display literal to be used as a sub-heading on the Detail Report. Entries in this table must be placed in ascending sequence by the one-digit operation number. This table is also used internally, in conjunction with Tables T5 and T6, to organize separate work activities into hierarchies, with "Operation" the highest level. Each Operation can include several Functions, each of which can include several Activities. The Activity Detail Report produces subtotals on each Function, as well as subtotals on each Operation. This table provides the user with an easy method of specifying the scope of each Operation.

Table T5 - Function Table

The function of this table is to equate a one-character alpha "Function Code" with an appropriate display literal to be used as a sub-heading on the Detail Report. Entries in this table must be placed in ascending sequence by the one-character Function Code. This table is also used internally, in conjunction with Tables T4 and T6, to establish hierarchies among the various individual Activities; see the above discussion of Table T4, and the following discussion of Table T6. Table T5 provides the user with an easy method of specifying the scope of each Function.

Table T6 - Activity Code Table

The Function Worksheets which are filled out by the participants contain a separate line for each activity to be included in the Cost Study. Each line on the Worksheet is identified by a unique number at the left margin (see the Worksheet samples). When transcribed by data conversion, each line on the worksheet becomes a separate 80-column card, and the activity number on the source document is keypunched as "Activity Code." Note that on the Function Worksheets, the term "Other (specify)" frequently appears -- see #6, #15, #29, etc. Our own participants elected

SOURCE DOCUMENTSII. USER TABLES (cont'd)

to further break these down into (for example) #6A, #6B, etc. Therefore, "Activity Code" is defined as a three-character alphanumeric field, and therefore cannot be used for sequence manipulation. Table T6 provides the user with the means of establishing the sequence in which the various activities are to appear on the Detail Report, as well as the ability to rearrange that sequence merely by rearranging the entries in Table T6. Internally each table entry is assigned an ascending sequence number; the latter is then utilized for internal processing.

The system utilizes Table T6 for the following functions:

1. Each activity number on the Function Worksheets to which time is charged, must be supported by a table entry for edit validation.
2. The display literal in each table entry will appear on the Detail Report as the identification of that line item.
3. Each activity appears on the Detail Report in the same order as its place in Table T6. Moreover, each activity in the table will always appear in the report even when there are no time/money accrues for that activity.
4. Each entry in the table contains an Operation Code and a Function Code, reflecting the placement of that activity in the hierarchy. On the Detail Report, a subtotal is printed at the end of each function, summing all activities for that function. Another subtotal is printed at the end of each operation, summing all functions within that operation. Therefore, table entries must be grouped in ascending sequence by Operation Code and Function Code; this is the only restriction on the structure of the table. Entries within a function may be in any sequence desired by the user. See the above discussions of Table T4 and T5.

Table T8 - Class Type Table

There can be a maximum of four entries in this table as the system is currently programmed; however, there can be less than four. The display literals from each table entry appear as column headings on the Detail Report. The Class Type Code in each T8 table entry supports the corresponding code in each Table T3 Class Code Table entry. The idea is to separate a potentially large number of Employee Classifications into a maximum of four major types, e.g., Professional, Clerical, etc.

SOURCE DOCUMENTSIII. PRODUCTION UNITS SUMMARY SHEETS

Use of this input is to gather statistics which will be used primarily in computing unit costs for the Summary Reports. The procedure followed by the original users was to fill out one sheet per library at the end of each week. This procedure permitted the selection of an individual week for scrutiny; however, the time span could be larger or smaller at user discretion.

The sheet contains fields for entering the number of units processed, for each of a variety of functional areas, and for a variety of selected media. The system then uses these unit volumes in conjunction with the time/rate/dollar costs accrued for activity detail, to compute unit costs. The formulae used are shown in the documentation on Factorials (which see).

The data from these sheets are keypunched in the record format shown for Production Unit Cards. The format of the sheets could be improved, since the keypunch procedure is somewhat clumsy. For the existing form the following keypunch procedures are necessary:

1. Translate "College" to a two-digit library code (supported by an entry in Table T1).
2. Translate "Date" to a two digit week code.
3. Translate the various media headings (Books, Periodicals) to a one-position Media Code (supported by an entry in Table T2), punch one cardset per media column, and ignore "Total" column; or: punch one cardset per sheet using the "Total" column only, and ignore the separate media columns.
4. Label the boxes in each column with alpha field code "A" thru 'K', and prefix the amount in each box with its corresponding field-code. Punch fields 'A' thru 'G' into the first card (cardtype 'A') and fields 'H' thru 'K' into the second card (cardtype 'B').

SOURCE DOCUMENTSIV. FUNCTION WORKSHEETS

The purpose of this input is to capture the time spent by each employee for each task to be included in the cost study, and the resulting dollar cost. Time is rounded to the nearest quarter-hour; example: two hours and forty minutes is entered as "2.3", and keypunched as "0230". It is expected that each employee will fill out a sheet for each task, and therefore may enter information into several sheets during the day. Since the accuracy of the reports depend on completeness, all members of the staff must be involved in completing these forms.

Approximately 100 different tasks (activities) were included in the original study, resulting in 18 separate forms which differ in content, but not in format.

Activity Detail Cards are keypunched from these sheets, using the following procedures:

1. One card per activity is punched. The Activity Number is punched into the Activity Code field, right justified, zero fill. Each Activity Code utilized must be supported by an entry in Table T6.
2. "College" is translated into a two-digit Library Code (supported by an entry in Table T1).
3. "Week Dates" is translated into a single two-digit week code.
4. "Employee Identifier" is translated into a one-position code: "P" for Public Services; "T" for Technical Services.
5. "Classification" is entered as a four-position Employee Class Code (supported by an entry in Table T3).
6. "Monthly Salary" is translated to "Hourly Rate." (This is a deficiency of the form; the system expects "Hourly Rate.")
7. "Media" is absent from the form; if used, must be entered on each form.

UTILITY CARD-TO-TAPE

Input: Activity Detail Cards

Output: Activity Detail Tape

When all Function Worksheets have been keypunched, the cards are transferred to tape via a utility program for input to program D500-004 Edit.

PROGRAM D500-004 EDITInput Files

1. Run Specification Card
2. User Table Cards
3. Production Units Cards
4. Activity Detail Tape

Output Files

1. Run Specification Record
2. User Tables
3. Sorted Production Units File
4. Sorted Detail File
5. Production Units Error List
6. Detail Error List

Work Files

1. Valid Production Units File
2. Valid Error File

I. Card File Processing

The three card files are handled as one file with three types of input. When all three types are present, they must be received by the program in the order shown above. The last card must contain "/"* in Col. 1-2 to signal end of file.

II. Run Spec Card

This is a mandatory input. It is re-written upon disk for use by subsequent programs. No editing is performed on it; therefore, the user must exercise care in its preparation.

III. User Table Cards

This is an optional file. When present, it is re-written upon disk for use by subsequent programs. When absent, the program assumes the disk file created by a previous run will still be available, and reads the file into memory for use during edit processing. No editing or sorting is performed; therefore, the user must use care in preparation of the User Tables card file.

IV. Production Unit Cards

This is also an optional input. When absent, the system assumes that a previous run has validated all P.U. records, that the disk file "Sorted P.U. File" exists for use by subsequent programs, and that this disk file is complete, i.e. contains all P.U. records with no Run Spec selection having been performed on it.

PROGRAM D500-004 EDITIV. Production Unit Cards (cont'd)

The program edits each P.U. card according to criteria described in "Edit Instructions, Production Unit Input" (which see). Cards which are free of errors are re-written onto a temporary disk work file "Valid P.U. File." Cards containing errors are dropped, but displayed on the Production Unit Error List together with an error code number and a brief diagnostic for each error located. In addition, the presence of any Production Unit Error will cause the program to abort at end of input, and prevent further processing by the rest of the system. There is a Run Spec option to override this abort condition, but it is advised that this option not be used, and that any P.U. errors be corrected and re-input; unit volumes impact so heavily upon computations that realistic results are contingent upon clean and complete Production Unit input.

V. Activity Detail Tape

This is also an optional input. When absent (signalled via Run Spec option), the program assumes that a previous run has processed the file, and that a disk file "Sorted Detail File" exists for use by subsequent programs.

The program edits each record according to criteria described in "Edit Instructions, Detail Records" (which see). Records which contain errors are dropped from further processing, but are displayed on the Detail Error List, together with an error code and brief diagnostic for each error located. Certain types of errors do not cause rejection; the invalid field is replaced with default values, and an appropriate diagnostic is printed on the Detail Error List.

Each input record is scanned for selection according to criteria specified by the Run Spec Sheet. Records which do not qualify are dropped from further processing. Note that this file must be re-input whenever it is desired to exercise different selection criteria on the Run Specs Sheet. This is because several of the fields which are subject to selection criteria are not included in the output record format.

Records selected for output processing are reformatted to the Valid Detail File on temporary disk. Output processing replaces input fields with the corresponding codes from the User Tables, and collapses hours and dollar cost.

At end of input, the Valid Detail File is sorted, and the Sort Output Procedure further collapses the file to one record per key (Library/Media/Activity Sequence Number/Class Type), with a summation of hours, and dollar cost.

PROGRAM D500-006 MERGEInput Files

1. Run Specification Record
2. Sorted Production Unit File
3. Sorted Detail File

Output File

1. Report Work File

I. Run Specification Record

The program uses run specification options to select a subset of the Production Units File for processing; or to accept the entire file when no selection options have been requested. This eliminates the necessity of re-inputting the P.U. card file each time a different set of selection options are desired. The constraint is that in order to produce meaningful results, the existing P.U. file must be complete; i.e., the run which created it must have excluded any selection processing. Note that this treatment of the P.U. file differs from file LST1 Activity Detail Tape; LST1 must be input each and everytime the system is run.

II. Merge Processing

The two input files are merged on Library Literal only. Each file is read, and amounts accumulated, until a control break on Library occurs. If a library is missing from one of the files, a warning diagnostic is printed, but report processing continues. At the end of input for each library (both files), the resulting accumulations are processed to produce Summary Report records on the Report Work File.

III. Summary Reports Processing

Each of the three Summary Reports are one-page documents, and each report contains a single line per library. In order to highlight comparisons between the various libraries, selected columns on the reports formats will indicate the library with the lowest cost (or unit cost), the library with the highest cost, and the median, for that particular column item. See the Summary Reports layouts.

This Hi-Lo-Median feature dictated the following approach in the Merge Program:

- A. Each report is a matrix, libraries arrayed on the vertical axis, and factorial items on the horizontal.
- B. Each member of the array is computed and written as a separate record on the Report Work File. The program holds the accumulations for one library at a time, and manufactures

PROGRAM D500-006 MERGEIII. Summary Reports Processing (cont'd)

for each report as many report records for the library as there are columns in that report. Each output record, therefore, identifies its column, its library, and the report to which it belongs.

The following program (D 500 006 FORMAT) will sort the Report Work File to the sequence such that, for each column, the first library record received for the column contains the lowest amount in the factorial field, the last record for the column contains the highest, and the middle record the median. In order to figure which record is the median, the next program must be informed of the number of items that will appear in each column. Therefore, the Merge Program, at the conclusion of the run, produces a special record which indicates the number of libraries processed in the run. When sorted, this special record (Header Record) will be the first record on the Sorted Report Work File. This enables the next program to append the Hi-Lo-Median indication at the time when each member of the array is formatted to its report.

The method of computation used to produce each Summary Report Work Record is shown in the "Factorials" section (which see); the numerator of each factorial indicates the Activity Codes to be included in the summation of dollar cost. The Merge Program is not driven by the User Tables. Therefore, the logic of accumulating the amount for each factorial type is hard-coded: the Activity Code of each Detail File record is repetitively inspected to determine whether it qualifies for each factorial. In other words, detail amounts are accumulated by factorial type, rather than by Activity Code. This means that, should another user wish to modify the factorials utilized, then the Merge Program will also have to be correspondingly modified. This should be relatively simple to do. The section on Factorials contains an example of a possible alternative method. The method chosen should reflect the unique characteristics of the library system. For example, a library in which one out of five orders is for an added copy, should have different formulae from a library in which most of the orders are for new titles.

IV. Detail Report Processing

Each record from the Detail File is re-written onto the Report Work File with no change.

D500-008 FORMATInput Files

1. Run Specification Record
2. User Tables
3. Report Work File

Output Reports

1. Summary
2. Unit Cost Summary
3. Bibliographic Search Summary
4. Detail Report

I. Run Specifications

Applicable options are:

1. Time only, dollars only, or both, to display on Detail Report
2. Subset of library respondents, up to five, to be included on all reports.

II. User Tables

Used for translation of codes to literals displayed on the reports.

III. Report Work File

The input file is sorted to report sequence. The header record, containing the number of libraries represented, is inspected to determine the median point in each column of the Summary Reports. For the latter, the sorted records for a column will appear in sequence by the ascending values of the factorials.

IV. Summary Reports

Work records are formatted in memory, and the entire page written at the end of input for each report.

V. Detail Report

A line will be printed for each activity in the Activity Table, regardless of the presence or absence of detail accumulations.

Each library, and each media in that library, constitutes a separate Detail Report; headings are modified, and page number reset to 1.

A sub-total is printed at the end of each function, consisting of a summation of activities contained in that function. A sub-total is printed at the end of each operation, consisting of a

PROGRAM D500-008 FORMATV. Detail Report (cont'd)

summation of functions contained in that operation. A total is printed at the end of all activities in the Activity Table. In addition, a total is printed at the end of activities in the first two operations, consisting of the summation of activities to that point; this is because the original user desired a summation of Acquisitions and Cataloging (the first two operations for this user). Other users may wish to eliminate the latter.

A primary purpose of this report is to provide visibility into how the library deploys its personnel: is the activity performed by an adequate skill level? Are professionals devoting too much time to clerical tasks? etc. etc..

Section 4

PROCESSING CONSIDERATIONS

←

THE CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

Summary -- Factorials

Ordering = ORD TOTAL = $\Sigma 2,5,6,7,743,744,745,8,10,11,12,13,14,15,36,37,38$

UNIT = $\frac{\Sigma 2,5,6,7,743,744,745}{\text{"A" Units}}$ + $\frac{\Sigma 8,10,11,12,13,14,15,36,37,38}{\text{"B" Units}}$

% = $\frac{\text{ORD TOT}}{\text{LIB TOT}}$

Cataloging = CAT TOTAL = $\Sigma 41,42,43,44,45,46,52,53,54,55,55a,56,57,58,59,60,61,47,48,49,50,51$

UNIT = $\frac{\Sigma 41,42,43,44,45,46,54,55,55a,56,57,58,59,60,61,47,48,49,50,51}{\text{"F" Units} + \text{"G" Units}}$

+ $\frac{\Sigma 52,53}{\text{"E" Units}}$

% = $\frac{\text{CAT TOT}}{\text{LIB TOT}}$

Processing = PRO TOTAL = $\Sigma 62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,82,85$

UNIT = $\frac{\Sigma 62,63,64,65,66,67,68,69,70,71,72}{\text{"H" Units}}$ + $\frac{\Sigma 73,74,75,76,77,78,79,82,85}{\text{"I" Units}}$

% = $\frac{\text{PRO TOT}}{\text{LIB TOT}}$

Related Activities = REA TOTAL = ($\Sigma 1,16,18,19,20,21,22,23,24,25,26,27,28,29,30,31,33,34,32,35,$
 $39,40,80,81,83,84,86,87,88,89,90,91,92,93$)

% = $\frac{\text{REA TOT}}{\text{LIB TOT}}$

Total = LIB TOT = ORD TOTAL + CAT TOTAL + PRO TOTAL + SUP TOTAL

ZERO FACTORIALS WILL DISPLAY AS "NO DETAIL", "NO UNITS", OR "NO DATA".



SUMMARY FACTORIALS

One Per Library

Summarize each column for grand total.

Compute for each column HI, LO & AVERAGE

Flag AFFECTED ENTRIES in each column where

HI = H
AVE = *
LO = L

THE CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

Unit Cost Summary Factorials

PROCESS REQUEST =	<u>Σ 2, 5, 6, 7, 742, 743, 744, 745</u>	"A" Units
TITLE ORDERED =	<u>Σ 8, 10, 11, 12, 13, 14, 15, 36, 37, 38</u>	"B" Units
TITLE RCVD =	<u>Σ 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29</u>	"C" Units
VOLUME RCVD =	<u>Σ 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29</u>	"D" Units
VOLUME ADDED =	<u>Σ 52, 53</u>	"E" Units
LC CATALOG =	<u>Σ 34, 55, 55A, 56, 57</u>	"F" Units
ORIG CATALOG =	<u>Σ 58, 59, 60, 61</u>	"G" Units
CARD SETS =	<u>Σ 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72</u>	"H" Units
VOLUME PROCESS =	<u>Σ 73, 74, 75, 76, 77, 78, 79, 82, 85</u>	"I" Units
VOLUME BOUND =	<u>80</u>	"J" Units
VOLUME MEND =	<u>81</u>	"K" Units

ZERO FACTORIALS WILL BE HANDLED AS IN SUMMARY REPORT.

UNIT COST SUMMARY FACTORIALS

One Line Per Library

Compute for each column HI, LO & AVERAGE.

Flag AFFECTED ENTRIES in each column where

HI = H
AVE = *
LO = L

THE CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

Bibliographic Search Summary Factorials

GENERAL SEARCH = $\Sigma 7,42,46$

NUC SEARCH = $\Sigma 743,43$

CARD SET SEARCH = $\Sigma 744,44$

MCRS = $\Sigma 745,45$

ZERO FACTORIALS WILL BE HANDLED AS IN SUMMARY REPORT.

THE CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

Activity Detail Factorials

-NOTES-

- SEQUENCE - MAJOR - LIBRARY
- MEDIA (OPTIONAL)
- OPERATION
- FUNCTION
- MINOR - ACTIVITY

SUMMATION TO OCCUR:

1. All activities within function on change of function - will be displayed as "SUBTOTAL" with "SUBTOTAL" literal to fall on same margin as function literal.
2. All functions within operation on change of operation - will be displayed as "SUBTOTAL" with "SUBTOTAL" literal to fall on same margin as operation literal.
3. The first two operations within library on change of "ADMINISTRATION" - will be displayed as "TOTAL" with "TOTAL" literal to fall on same margin as operation literal.
4. The "ADMIN" operation will be displayed on a separate page with subtotal and grand total. (Summary of total for "ACQ" and "CAT" with subtotal from "ADMIN".)

Page overflow within library is permitted except for change of operation between catalog and administration (see 4 above); on change of library a new page will be formatted.

ZERO FACTORIALS WILL BE DISPLAYED "NO DATA".



ALTERNATE SUMMARY FACTORIALS

$$\text{Ordering} = \text{UNIT} = \frac{\Sigma 1 \text{ thru } 6}{\text{"A" units}} + \frac{\Sigma 7 \text{ thru } 15}{\text{"B" units}} + \frac{\Sigma 17, 18, 19, 21 \text{ thru } 24, 26 \text{ thru } 29}{\text{"C" units}} + \frac{\Sigma 16, 20, 25}{\text{"D" units}} + \frac{\Sigma 35, 36}{.2 \text{ "B" units}} + \frac{\Sigma 37 \text{ thru } 40}{.1 \text{ "B" units}}$$

$$\text{Cataloging} = \text{UNIT} = \frac{\Sigma 41 \text{ thru } 46, 49, 56, 57}{\text{"F" units}} + \frac{\Sigma 47, 48, 50, 51, 54, 55}{\text{"F" units} - \text{"G" units}} + \frac{\Sigma 58 \text{ thru } 61}{\text{"G" units}} + \frac{\Sigma 52, 53, 55A}{\text{"E" units}} + \frac{\Sigma 86 \text{ thru } 93}{\text{"F" units}}$$

$$\text{Processing} = \text{UNIT} = \frac{\Sigma 62, 66 \text{ thru } 69}{\text{"H" units}} + \frac{\Sigma 63, 64}{\text{"G" units}} + \frac{65}{.1 (\text{"F" units} - \text{"G" units})} + \frac{\Sigma 70, 71, 72}{.5 \text{ "F" units}} + \frac{\Sigma 73 \text{ thru } 78}{\text{"I" units}} + \frac{79}{.3 \text{ "I" units}} + \frac{\Sigma 72A \text{ thru } 72E}{\text{"E" units}}$$

$$\text{Support} = \text{TOTAL} = \Sigma 80 \text{ thru } 85, 94 \text{ thru } 99$$

Note that several of the Production Unit totals appear in more than one place.

MEDIA CODES

SOURCE CODE	OBJECT MEDIA LITERAL
Ø	All media
Ø	Books and Serials
1	Periodicals
2	A-V
3	Microform
4	Curriculum

CLASS CODES

<u>SOURCE</u> CODE (CLASSIFICATION)	<u>CLASS</u> TYPE (TABLE T8)	<u>OBJECT</u> STAFF LEVEL (TABLE T3)
1112	3	Clerk
1125	"	"
1126	"	"
1127	"	"
1133	"	"
1418	"	"
1506	"	"
1509	"	"
1870	4	Student Assistant
1907	1	Professional
1908	"	"
1985	3	Clerk
2900	1	Professional
2901	"	"
2902	"	"
2903	"	"
2904	"	"
2905	2	Library Assistant
2906	"	"
2911	1	Professional
2975	3	Clerk

THE CALIFORNIA STATE UNIVERSITY AND COLLEGES -
LIBRARY LABOR COST ACCOUNTING SYSTEM
ACTIVITY LITERALS

17 MAY 1972

<u>Code</u>	<u>Literal</u>	<u>Function</u>	<u>Operation</u>
<u>001</u>	MAIL	<u>A. Prelim</u>	<u>I. Acquis</u>
<u>002</u>	REQUEST	"	"
<u>005</u>	TYPE	"	"
<u>006</u>	OTHER	"	"
<u>007</u>	SEARCH	<u>B. Order</u>	"
<u>742</u>	SEARCH	"	"
<u>743</u>	NUC	"	"
<u>744</u>	NCRS	"	"
<u>745</u>	CARD SET	"	"
<u>008</u>	VENDOR	"	"
<u>010</u>	TYPE PO	"	"
<u>011</u>	REVISE	"	"
<u>012</u>	SIGN	"	"
<u>013</u>	FILE	"	"
<u>014</u>	ENCUMB	"	"
<u>015</u>	OTHER	"	"
<u>016</u>	UNPACK	<u>C. Receive</u>	"
<u>018</u>	ON ORD	"	"
<u>019</u>	KARDEX	"	"
<u>020</u>	COLLATE	"	"
<u>021</u>	RETURN	"	"
<u>022</u>	ACCESS	"	"
<u>023</u>	SOURCE	"	"
<u>024</u>	GIFT	"	"
<u>025</u>	DISTRIB	"	"
<u>026</u>	RECEIPT	"	"
<u>027</u>	INVOICE	"	"
<u>028</u>	EXPEND	"	"
<u>029</u>	OTHER	"	"

ACTIVITY LITERALS (Cont)

Code	Literal	Function	Operation
<u>030</u>	CLEAR	<u>D. Post Cat</u>	<u>I. Acquis</u>
<u>031</u>	FILE	"	"
<u>032</u>	NOTIFY	"	"
<u>033</u>	LIST	"	"
<u>034</u>	OTHER	"	"
<u>035</u>	REPORTS	<u>E. Misc</u>	"
<u>036</u>	CLAIMS	"	"
<u>037</u>	CANCEL	"	"
<u>038</u>	O.P.	"	"
<u>039</u>	INQUIRY	"	"
<u>040</u>	OTHER	"	"
<u>041</u>	SORT	<u>F. Pre Cat</u>	<u>II. Catalog</u>
<u>042</u>	SEARCH	"	"
<u>043</u>	NUC	"	"
<u>044</u>	MCRS	"	"
<u>045</u>	CARD SET	"	"
<u>046</u>	OTHER	"	"
<u>047</u>	ORD CDS	<u>G. L C Data</u>	"
<u>048</u>	REC L C	"	"
<u>049</u>	REC P S	"	"
<u>050</u>	FILE	"	"
<u>051</u>	OTHER	"	"
<u>052</u>	ADD C/V	<u>H. Add C/V</u>	"
<u>053</u>	OTHER	"	"
<u>054</u>	MATCH	<u>I. L C Cat</u>	"
<u>055</u>	CATALOG	"	"
<u>55A</u>	SL CHK	"	"
<u>056</u>	REVISE	"	"
<u>057</u>	OTHER	"	"
<u>058</u>	CATALOG	<u>J. Orig Cat</u>	"
<u>059</u>	REVISE	"	"
<u>060</u>	SL CHK	"	"
<u>061</u>	OTHER	"	"
<u>062</u>	SET CDS	<u>K. CD Proc</u>	"
<u>063</u>	MASTER	"	"

ACTIVITY LITERALS (Cont)

Code	Literal	Function	Operation
<u>064</u>	REV MST	<u>K. CD Proc</u>	<u>II. Catalog</u>
<u>065</u>	MODIFY	"	"
<u>066</u>	REPRO	"	"
<u>067</u>	SORT	"	"
<u>068</u>	NO, A E	"	"
<u>069</u>	REV TYP	"	"
<u>070</u>	AUTH CD	"	"
<u>071</u>	X REF CD	"	"
<u>072</u>	OTHER	"	"
<u>073</u>	CIRC CD	<u>L. End Proc</u>	"
<u>074</u>	BK PCKT	"	"
<u>075</u>	SPINE	"	"
<u>076</u>	FIX SLP	"	"
<u>077</u>	FIX REV	"	"
<u>078</u>	STAMP	"	"
<u>079</u>	JACKET	"	"
<u>080</u>	BINDERY	"	"
<u>081</u>	MENDING	"	"
<u>082</u>	REVISE	"	"
<u>083</u>	DISTRIB	"	"
<u>084</u>	WDRAWAL	"	"
<u>085</u>	OTHER	"	"
<u>086</u>	SORT S L	<u>M. Filing</u>	"
<u>087</u>	FILE S L	"	"
<u>088</u>	REV S L	"	"
<u>089</u>	SORT CD	"	"
<u>090</u>	FILE CF	"	"
<u>091</u>	REV CD	"	"
<u>092</u>	MAINTNC	"	"
<u>093</u>	OTHER	"	"
<u>094</u>	SUPERVISE	<u>N. Admin</u>	<u>III. Admin</u>
<u>095</u>	TRAIN	"	"
<u>096</u>	ON CAMP	"	"
<u>097</u>	OFF CAMP	"	"
<u>098</u>	PUBSERV	"	"
<u>099</u>	OTHER	"	"

CLASS CODE RATE TABLE

	HI	LO
CLERK	\$4.23	\$2.36
STUDENT ASSISTANT	\$3.00	\$1.00
LIBRARY ASSISTANT	\$4.60	\$3.11
PROFESSIONAL	\$11.71	\$2.38

13 October 72

RUN SPECIFICATION CARD

<u>FROM</u>	<u>COLUMN(S)</u> <u>TO</u>	<u>FIELD NAME</u>	<u>CONTENTS</u>	<u>COMMENTS</u>
Ø	1Ø	Unused	Blank	For possible use in file and program identification.
11	11	"A"	Alpha	Record I.D. for run spec.
12	17	Date	Numeric	Gregorian date in numeric form where: MM = Ø1 through 12 DD = Ø1 through 31 YY = 72 This date to be used for all reports created in the cycle specified by this card.
18	18	Summary Reports Code	Blank or Numeric	Where blank, no summary reports are to be produced. Where non-blank (contains decimal integer 1), summary reports are to be produced.
19	19	Detail Report Code	Blank or Numeric	Where blank, no detail report is to be produced. Where non-blank (contains decimal integer 1), a detail report is to be produced (see particular respondent Code, Col. 26).
2Ø	2Ø	Detail Type Code	Numeric	To designate the type detail report to be generated, where: 1 = both dollars and time 2 = dollars only 3 = time only

RUN SPECIFICATION CARD

COLUMN(S)		FIELD NAME	CONTENTS	COMMENTS
FROM	TO			
21	21	Particular Time Code	Blank or Numeric	Where blank, requested reports (per cols. 18 and/or 19) will contain only data for the week or weeks designated in cols. 22 & 23 and/or 24 & 25. Where non-blank (contains decimal integer 1), all input will be processed to the requested reports.
22	23	"From/Only" Week Code	Blank or Numeric	If col. 21 contains a 1, this field will be blank; else, it will contain the numeric code for the first week to be included in the creation of reports which represents a subject of the data available to the program. If a single week is required, the code for week only is to be designated here. This field can contain decimal integers in the range 01 through 12.
24	25	"TO" Week Code	Blank or Numeric	If col. 21 contains a 1 and cols. 22 & 23 are blank, this field will be blank; else, it will contain the numeric code for the last week included in the creation of reports which represent a subset of the data available to the program. The value of this field must exceed the value of the "From/Only" field (cols. 22 and 23).

RUN SPEC CARD

<u>COLUMN(S)</u>		<u>FIELD NAME</u>	<u>CONTENTS</u>	<u>COMMENTS</u>
<u>FROM</u>	<u>TO</u>			
26	26	Particular Respondent Code	Blank or Numeric	Where blank, requested reports (per cols. 18 and/or 19) will contain only data for up to 5 responding libraries as designated in the "Library Code" fields (cols. 27 & 28 through 34 & 35) below. Where non-blank (contains decimal integer 1), all respondents will be reported.
27	28	First Library Code	Numeric	If col. 26 is non-blank (contains decimal integer 1 this and all other library code fields will be blank). If col. 19 is blank, the Numeric code for the first of up to 5 responding libraries is to be entered here. Same edit as on production unit input.
29	30	Second Library Code	Blank or Numeric	Same as "First Library Code to be used only if "First Library Code" field is non-blank.
31	32	Third Library Code	Blank or Numeric	Same as "Second Library Code." To be used only if "Second Library Code" is non-blank.
33	34	Fourth Library Code	Blank or Numeric	Same as "Third Library Code To be used only if "Third Library Code" is non-blank.
35	36	Fifth Library Code	Blank or Numeric	Same as "Fourth Library Code." To be used only if "Fourth Library Code" is non-blank.

RUN SPEC CARD

COLUMN (S)		FIELD NAME	CONTENTS	COMMENTS
FROM	TO			
37	37	Specific Media Code	In Media Table	To designate the type media to be collated for display where: Ø = books & serials 1 = periodicals 2 = A-V materials 3 = microform 4 = curriculum Ø = all x = erase media from input
38	38	Contributor Code	Alpha	To designate participant type for display where A = all T = Technical Processors P = Public Services
39	39	Input Detail File Option	A/N	To specify whether sorted detail input tape is input. If not input, it is assumed that the validated Detail File still resides on disk from a previous job. 'D' = file not input Ø = file is input
40	40	Detail Error List Option	A/N	To specify whether or not the Detail Error List is to be produced. 'I' = list not produced 'Ø' = list will be produced
41	41	P.U. Error Override		Provides option to continue even when errors located in P.U. cards. 'I' = ignore P.U. errors. Ø = discontinue run upon completion of edit program when P.U. errors exist.

RUN SPEC CARD
PROCESSING

1. Suppress both summary reports when col. 18 = blank.
2. Suppress detail reports when col. 19 = blank.
3. Generate on each detail a total time field, and a total dollar field, when col. 20 = 1.

Generate total dollar field only, and set total time to zero, when col. 20 = 2.

When col. 20 = 3: generate total time field only, set total dollar field to zero, and disregard Hourly Rate (col. 22-26) on detail cards (no edit, no process).

4. When col. 21 = blank, process all weeks.
When col. 20 = non-blank, drop all activity (P.U. & detail) whose week code does not fall in range specified in Run Spec Card (col. 22-25), and accum separate counts of P.U. & detail so dropped.
5. When col. 26 = blank, process all library codes.
When col. 26 = non-blank, drop all activity (P.U. & detail) whose library code does not appear on Run Spec Card col. 27-36, and accum separate counts of detail & P.U. so dropped.
6. When col. 37 = blank, process all media codes.
When col. 37 = non-blank, drop all activity (P.U. & detail) whose media code (col. 27) is not equal to col. 37 on Run Spec Card, and accum separate counts for P.U. & detail so dropped.
7. When col. 38 = blank, process all detail records.
When col. 38 = non-blank, drop all detail records whose P/T code (col. 15) is not equal to col. 38 of Run Spec Card.

1 May 72
 Rev 23 May 72
 Rev 9 Aug 72

EDIT INSTRUCTIONS
 PRODUCTION UNIT INPUT
 "A" RECORD

<u>COLUMN(S)</u>		<u>FIELD NAME</u>	<u>CONTENTS</u>	<u>COMMENTS</u>
<u>FROM</u>	<u>TO</u>			
1	1Ø	Unused	Blank	For possible use in file and program identification.
11	12	Library Code*	Numeric	Must be in Library Code Table.
13	14	Week Code*	Numeric	A two-decimal integer code assigned to each week of the survey in the range 01 through 12.
15	15	Card Code*	Alpha	Apha character "A" only.
16	26	Unused	Blank	For future use if required.
27	27	Media Code	Alpha/ Numeric	Must be in Media Code Table.
28	28	Unused	Blank	For future use if required.
29	29	Preliminary Activity Code*	Alpha	Alpha character "A" only.
3Ø	35	Preliminary Activity Units*	Numeric	Must be numeric, unsigned.
36	36	Ordering Code*	Alpha	Alpha character "B" only.
37	42	Ordering Units*	Numeric	Must be numeric, unsigned.

*Fields must be completed.

EDIT INSTRUCTIONS
 PRODUCTION UNIT INPUT
 "A" RECORD

COLUMN(S)		FIELD NAME	CONTENTS	COMMENTS
FROM	TO			
43	43	Receiving/Title Code*	Alpha	Alpha character "C" only.
44	49	Receiving/Title Units*	Numeric	Must be numeric, unsigned.
50	50	Receiving/Volume Code*	Alpha	Alpha character "D" only.
51	56	Receiving/Volume Units*	Numeric	Must be numeric, unsigned.
57	57	Added Copy Code*	Alpha	Alpha character "E" only.
58	63	Added Copy Units*	Numeric	Must be numeric, unsigned.
64	64	L.C. Cataloging Code*	Alpha	Alpha character "F" only.
65	70	L.C. Cataloging Units*	Numeric	Must be numeric, unsigned.
71	71	Original Cataloging Code*	Alpha	Alpha character "G" only.
72	77	Original Cataloging Units*	Numeric	Must be numeric, unsigned.
78	80	Unused	Blank	For future use if required.

NOTE: The Edit Program receives "A" records with the "G" field right justified to col. 80; and shifts the content of this field left three columns, with blanks inserted in col. 78-80.

*Fields must be completed.

1 May 72
Rev 23 May 72

EDIT INSTRUCTIONS
PRODUCTION UNIT INPUT
"B" RECORD

COLUMN(S)		FIELD NAME	CONTENTS	COMMENTS
FROM	TO			
Ø	1Ø	Unused	Blank	Same as "A" Record.
11	12	Library Code*	Numeric	Same as "A" Record.
13	14	Week Code*	Numeric	Same as "A" Record.
15	15	Card Code*	Alpha	Alpha character "B" only.
16	26	Unused	Blank	For future use if required.
27	27	Media Code*	Numeric	Same as "A" Record.
28	28	Unused	Blank	For future use if required.
29	29	Card Production Code*	Alpha	Alpha character "H" only.
3Ø	35	Card Production Units*	Numeric	Must be numeric, unsigned.
36	36	End Processing Code*	Alpha	Alpha character "I" only.
37	42	End Processing Units*	Numeric	Must be numeric, unsigned.
43	43	Mending Code*	Alpha	Alpha character "J" only.
44	49	Mending Units*	Numeric	Must be numeric, unsigned.
5Ø	5Ø	Binding Code*	Alpha	Alpha character "K" only.
51	56	Binding Units*	Numeric	Must be numeric, unsigned.
57	8Ø	Unused	Blank	For future use if required.

*Fields must be completed.

EDIT INSTRUCTIONS
DETAIL RECORDS
7 August 72

<u>COLUMNS</u>	<u>FIELD NAME</u>	<u>COMMENTS/RESTRICTIONS</u>
1 - 10	Filler	Must be blank.
11 - 12	*Library Code	Must be in Library Code Table. See Note 1.
13 - 14	*Week Code	No Edits. See Note 1.
15	*Contributor Code	Must be 'P', 'T', or blank. See Note 1. 'P' = Public Services only. 'T' = Technical Processing only. blank = both.
16 - 19	Class Code	Must be in Class Code Table.
20 - 21	Local Code	No edits.
22 - 26	Hourly Rate	Must be numeric and in range as specified in "CLASS CODE RATE TABLE".
27	Media Code	Must be in table. See Note 1.
28 - 30	Activity Code	Must be in Activity Code Table.
31 - 33	Filler	Must be blank.
34 - 37	**Monday Time	Must be all numeric or all blank. If non-blank, col. 37 must be zero, and col. 36 must be in range '0' thru '3'. See Note 2.
38 - 41	**Tuesday Time	Same as col. 34-37 "Monday Time".
42 - 45	**Wednesday Time	Same as col. 34-37 "Monday Time".
46 - 49	**Thursday Time	Same as col. 34-37 "Monday Time".
50 - 53	**Friday Time	Same as col. 34-37 "Monday Time".
54 - 80	Filler	Must be blank.

Note 1: See "Run Spec Card Processing" for additional edit processing.

**Note 2: Fractional hours are measured in quarter hours:

'1' = 15 minutes
'2' = 30 minutes
'3' = 45 minutes

ERROR CODES/COMMENTS

Input: 1) Production Units Cards
2) Activity Detail Tape

Output: 1) Production Unit Error List
2) Detail Error List

<u>Error Code</u>	<u>Error Message</u>	<u>Comments</u>																																				
001	LIBRARY CODE NOT IN LIBRARY TABLE	Library Code in pos 11-12 of input is not one of the valid codes contained in Table T1 Library Table. Record was rejected. See Note 1.																																				
002	INVALID PRODUCTION UNITS CARD CODE	Record ID in pos 15 of Production Units card is other than 'A' or 'B'. Record was rejected.																																				
003	MEDIA CODE NOT IN MEDIA TABLE	Media Code in pos 27 of input is not one of the valid codes contained in Table T2 Media Table. Record was rejected. See Note 1.																																				
004	INVALID FIELD CODE IN PROD UNITS RCD	In this Production Units card, the Field Code in pos 29, 36, 43, 50, 57, 64, or 71 is invalid for this particular Record ID. Record was rejected. Following are the valid Field Codes for each Record ID:																																				
		<table border="1"> <thead> <tr> <th colspan="2"><u>Record ID 'A'</u></th> <th colspan="2"><u>Record ID 'B'</u></th> </tr> <tr> <th><u>pos</u></th> <th><u>code</u></th> <th><u>pos</u></th> <th><u>code</u></th> </tr> </thead> <tbody> <tr> <td>29</td> <td>A</td> <td>29</td> <td>H</td> </tr> <tr> <td>36</td> <td>B</td> <td>36</td> <td>I</td> </tr> <tr> <td>43</td> <td>C</td> <td>43</td> <td>J</td> </tr> <tr> <td>50</td> <td>D</td> <td>50</td> <td>K</td> </tr> <tr> <td>57</td> <td>F</td> <td>57</td> <td>-</td> </tr> <tr> <td>64</td> <td>F</td> <td>64</td> <td>-</td> </tr> <tr> <td>71</td> <td>G</td> <td>71</td> <td>-</td> </tr> </tbody> </table>	<u>Record ID 'A'</u>		<u>Record ID 'B'</u>		<u>pos</u>	<u>code</u>	<u>pos</u>	<u>code</u>	29	A	29	H	36	B	36	I	43	C	43	J	50	D	50	K	57	F	57	-	64	F	64	-	71	G	71	-
<u>Record ID 'A'</u>		<u>Record ID 'B'</u>																																				
<u>pos</u>	<u>code</u>	<u>pos</u>	<u>code</u>																																			
29	A	29	H																																			
36	B	36	I																																			
43	C	43	J																																			
50	D	50	K																																			
57	F	57	-																																			
64	F	64	-																																			
71	G	71	-																																			
005	PRODUCTION UNITS FIELD NOT NUMERIC	A Units field is not numeric in pos 30-35, 37-42, 44-49, 51-56 of Record ID 'A' or 'B'; or pos 58-63, 65-70, 72-77 of Record ID 'A'. Record was rejected.																																				

NOTE: This error is common to both input files.

ERROR CODES/COMMENTS

(cont'd)

<u>Error Code</u>	<u>Error Message</u>	<u>Comments</u>
006	GARBAGE IN RESERVED COLUMNS	Production Units input: pos 78-80 of Record ID 'A', or pos 57-80 of Record ID 'B' was not entirely blank. Activity Detail input: pos 54-80 was not entirely blank. <u>Action</u> : record was rejected.
007	CLASS CODE NOT IN CLASS CODE TABLE	Class Code in pos 16-19 of Detail Record is not one of the valid codes contained in Table T3 Class Code Table. Record was rejected.
008	CLASS TYPE NOT IN CLASS TYPE TABLE	Class Code in pos 16-19 of Detail Record is in Table T3 Class Code Table; but the Class Type contained in that T3 Table entry is not one of the valid Class Types contained in Table T3 Class Type Table. Either the T3 table entry is in error; or else Table T3 should contain that Class Type. Although this is not a Detail Record error, the record was rejected. The system should be re-run after correcting the User Tables.
009	HOURLY RATE NOT NUMERIC	Pos 22-26 of Detail Record was not numeric. Record was rejected.
010	HOURLY RATE TOO LOW --ACC/SET TO LIM	Hourly Rate, pos 22-26 of Detail Record, is outside the range allowed for the Class Type indicated by the Class Code in pos 16-19 of the Detail Record. The record was accepted; but Hourly Rate was modified -- set to the low limit.
011	HOURLY RATE TOO HIGH -- ACC/SER TO LIM	Same as Error 009, except that Hourly Rate (pos 22-26) was set to the high limit for the Class Type involved.

ERROR CODES/COMMENTS

(cont'd)

<u>Error Code</u>	<u>Error Message</u>	<u>Comments</u>
012	ACTIVITY CODE NOT IN ACTIVITY TABLE	Activity Code in pos 28-30 of the Detail Record is not one of the valid codes contained in Table T6 Activity Table. Record was rejected. This error is probably due to user reporting on an activity outside the scope of the Cost Study.
013	DAILY TIME NOT NUMERIC	One of the five Daily Time fields in pos 34-53 of the Detail Record is not numeric. Record was rejected.
014	DAILY TIME NOT IN QUARTER HOURS -- ACC/ROUND	The format for each of the five Daily Time fields in pos 34-53 of the Detail Record is HH.QQ, where HH = integer hours Q = Quarter hours (0-3) Q = zero (low order position). The two low-order positions of the field contained other than an integer number of quarter hours. The record was accepted, and the quarter-hours rounded to 2 (one-half hour).
015	DAILY TIME EXCEEDS TEN HOURS -- ACC/MOD	See Error Code 014 above: "HH" exceeds 10. The record was accepted but the entire four-position time field was divided by 10, and all edits repeated; this error will therefore possibly be accompanied by Error Code 014. The assumption is that keypunch misaligned the field.

Section 5

FILE LAYOUTS

LSP

5.1.11

RECORD LAYOUT

File I.D. Number LSC2

Application LLCAS

File Description USER TABLE CARDS

By DAN Du BOIS

Date 10 AUG 72 Page 1 of 2

FIELD NAME	CHARACTERISTICS* CHARACTERS/BYTES RELATIVE POSITION
T1 LIBRARY TABLE	
T2 MEDIA TABLE	
T3 CLASS CODE TABLE	
T4 CLASS TYPE TABLE	

TABLE ID	LIBRARY CODE	LIBRARY LITERAL	FILE SEQUENCE
1	X	X	16
2	X	X	16
12	X	X	16
13	X	X	16
14	X	X	16

TABLE ID	MEDIA CODE	MEDIA LITERAL	FILE SEQUENCE
1	X	X	16
2	X	X	16
12	X	X	16
13	X	X	16
14	X	X	16

TABLE ID	CLASS CODE	CLASS TYPE	FILE SEQUENCE
1	X	X	16
2	X	X	16
12	X	X	16
13	X	X	16
14	X	X	16

TABLE ID	CLASS TYPE	CLASS LITERAL	FILE SEQUENCE
1	X	X	16
2	X	X	16
12	X	X	16
13	X	X	16
14	X	X	16

FOOTNOTES ALL TABLES ARE IN ASCENDING SEQUENCE. TABLE T6 SEQUENCED THRU COL 17; ACTIVITY CODE IN COL 18-20 TO BE IN THE ORDER DESIRED BY USER TO APPEAR ON THE DETAIL REPORT. USER IS RESPONSIBLE FOR MAINTAINING SEQUENCE, PROGRAM CHECKS SEQUENCE, BUT DOES NOT SORT.

*Characteristics
 Alphabetic or Blank A
 Alphanumeric X
 Numeric 9
 Assumed Decimal Point V
 Examples of Signed Fields
 S9999 9999S
 S999V99 9999V9S

REVISIONS	Date	BY

FIELD NAME	POSITION	NO. CHAR.
1 TABLE ID	11-12	2
2 CODE	13	1 to 5
3		
4		
5		
6		
7		
8		
9		
10		
11		

FILE DEFINITION	PROGRAMS USING THIS FILE
File Label Name <u> </u>	<u> </u>
Records Per Block <u> </u>	<u> </u>
Char/Byte: Per Record <u>80</u>	<u> </u>
Type of Format <u>FIXED</u>	<u> </u>
Storage Device <u>CARD</u>	<u> </u>
Recording Mode <u> </u>	<u> </u>
Label Records Are <u> </u>	<u> </u>
Retention Cycle <u>PERMANENT</u>	<u> </u>
Input To <u> </u>	<u> </u>
Output From <u> </u>	<u> </u>
<u>D500-004</u>	<u> </u>
<u>KEYPUNCH</u>	<u> </u>

RECORD LAYOUT

File I.D. Number LSC2

Application LLCAS File Description USER TABLE CARDS By DAN DU BOIS Date 10 AUG 72 Page 2 of 2

FIELD NAME	TABLE ID	OPERATION NBR	OPERATION LITERAL
CHARACTERISTICS*			
CHARACTERS/BYTES			
RELATIVE POSITION			

T4 OPERATION TABLE

TABLE ID	OPERATION NBR	OPERATION LITERAL
X 10	1	X 11
X 11	2	X 11
X 12	3	X 11
X 13	4	X 11
X 14	5	X 11
X 15	6	X 11
X 16	7	X 11
X 17	8	X 11
X 18	9	X 11
X 19	10	X 11
X 20	11	X 11
X 21	12	X 11
X 22	13	X 11
X 23	14	X 11
X 24	15	X 11
X 25	16	X 11
X 26	17	X 11
X 27	18	X 11
X 28	19	X 11
X 29	20	X 11
X 30	21	X 11
X 31	22	X 11
X 32	23	X 11
X 33	24	X 11
X 34	25	X 11

T5 FUNCTION TABLE

TABLE ID	FUNCTION CODE	FUNCTION LITERAL
X 10	1	X 11
X 11	2	X 11
X 12	3	X 11
X 13	4	X 11
X 14	5	X 11
X 15	6	X 11
X 16	7	X 11
X 17	8	X 11
X 18	9	X 11
X 19	10	X 11
X 20	11	X 11
X 21	12	X 11
X 22	13	X 11
X 23	14	X 11
X 24	15	X 11
X 25	16	X 11
X 26	17	X 11
X 27	18	X 11
X 28	19	X 11
X 29	20	X 11
X 30	21	X 11
X 31	22	X 11
X 32	23	X 11
X 33	24	X 11
X 34	25	X 11

T6 ACTIVITY TABLE

TABLE ID	OPERATION NBR	FUNCTION CODE	ACTIVITY CODE	ACTIVITY LITERAL
X 10	1	X 11	X 11	X 11
X 11	2	X 11	X 11	X 11
X 12	3	X 11	X 11	X 11
X 13	4	X 11	X 11	X 11
X 14	5	X 11	X 11	X 11
X 15	6	X 11	X 11	X 11
X 16	7	X 11	X 11	X 11
X 17	8	X 11	X 11	X 11
X 18	9	X 11	X 11	X 11
X 19	10	X 11	X 11	X 11
X 20	11	X 11	X 11	X 11
X 21	12	X 11	X 11	X 11
X 22	13	X 11	X 11	X 11
X 23	14	X 11	X 11	X 11
X 24	15	X 11	X 11	X 11
X 25	16	X 11	X 11	X 11
X 26	17	X 11	X 11	X 11
X 27	18	X 11	X 11	X 11
X 28	19	X 11	X 11	X 11
X 29	20	X 11	X 11	X 11
X 30	21	X 11	X 11	X 11
X 31	22	X 11	X 11	X 11
X 32	23	X 11	X 11	X 11
X 33	24	X 11	X 11	X 11
X 34	25	X 11	X 11	X 11

FILE DEFINITION	FILE SEQUENCE	POSITION	NO. CHAR.
File Label Name	1		
Records Per Block	2		
Char/Bytes Per Record	3		
Type of Format	4		
Storage Device	5		
Recording Mode	6		
Label Records Are	7		
Retention Cycle	8		
PROGRAMS USING THIS FILE	9		
Input To	10		
Output From	11		

FOOTNOTES SEE PAGE 1.

FIELD NAME	POSITION	NO. CHAR.
Major		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
Minor		

*Characteristics
 Alphabetic or Blank X
 Alphanumeric 9
 Numeric V
 Assumed Decimal Point
 Examples of Signed Fields
 S9999 9999S
 S999V99 9999V9S

REVISIONS

Date	By
30 Aug 72	D. Du BOIS



RECORD LAYOUT

File I.D. Number LSC3

Application LLCAS

File Description PRODUCTION UNITS CARDS By D. Du Bois Date 10 Aug 72 Page 1 of 1

FIELD NAME	PRODUCTION UNITS										PRODUCTION UNITS												
	LIBRARY CODE	WEEK NBR	RECORD ID "A"	MEDIA CODE	PRELIM ACTIVITY	ORDERING UNITS	RECEIVING TITLE UNITS	RECEIVING VOLUME UNITS	ADDED COPY UNITS	LLC CATALOG UNITS	ORIGINAL CATALOG UNITS	LIBRARY CODE	WEEK NBR	RECORD ID "B"	MEDIA CODE	PRELIM ACTIVITY	ORDERING UNITS	RECEIVING TITLE UNITS	RECEIVING VOLUME UNITS	ADDED COPY UNITS	LLC CATALOG UNITS	ORIGINAL CATALOG UNITS	
"A" RECORD	X	2	1	X	X	X	X	X	X	X	X	1	2	1	X	X	X	X	X	X	X	X	6
	10	14 15	16	26 27	19 30	35 36 37	42 43 44	49 50 51	56 57 58	63 64 65	70 71 72	77 78	80										
"B" RECORD	X	2	1	X	X	X	X	X	X	X	X	1	2	1	X	X	X	X	X	X	X	X	6
	10	14 15	16	26 27	19 30	35 36 37	42 43 44	49 50 51	56 57 58	63 64 65	70 71 72	77 78	80										

PRODUCTION UNITS		PRODUCTION UNITS	
RECORD ID	WEEK NBR	RECORD ID	WEEK NBR
1	2	1	2
10	14 15	10	14 15

FILE DEFINITION

File Label Name	---
Records Per Block	80
Char/Bytes Per Record	FIXED LENGTH
Type of Format	CARDS
Storage Device	---
Recording Mode	---
Label Records Are	PERMANENT
Retention Cycle	PROGRAMS USING THIS FILE
Input To	Output From
D500-004	EDIT KEY PUNCH

FOOTNOTES

FILE SEQUENCE	NAME	POSITION	NO. CHAR.
Major			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
Minor			

*Characteristics
 Alphabetic or Blank A X
 Alphanumeric 9
 Numeric V
 Assumed Decimal Point
 Examples of Signed Fields
 S9999 9999S
 S999V99 9999V9S

REVISIONS	Date	BY

RECORD LAYOUT

File I.D. Number LSW2

Application LLCAS File Description USER TABLES FILE By DAN DU BOIS Date 1 SEP 72 Page 1 of 2

FIELD NAME	CHARACTERISTICS* CHARACTERS/BYTES RELATIVE POSITION
T1 LIBRARY TABLE	
T2 MEDIA TABLE	
T3 CLASS CODE TABLE	
T8 CLASS TYPE TABLE	

TABLE NBR "T1"	LIBRARY CODE	LIBRARY LITERAL	NO. CHAR.
1	X	6	32
2	X		
3	X		
4	X		
5	X		
6	X		
7	X		
8	X		
9	X		
10	X		
11	X		
12	X		
13	X		
14	X		
15	X		
16	X		
17	X		
18	X		
19	X		
20	X		
21	X		
22	X		
23	X		
24	X		
25	X		
26	X		
27	X		
28	X		
29	X		
30	X		
31	X		
32	X		

TABLE NBR "T2"	MEDIA CODE	MEDIA LITERAL	NO. CHAR.
1	X	4	32
2	X		
3	X		
4	X		
5	X		
6	X		
7	X		
8	X		
9	X		
10	X		
11	X		
12	X		
13	X		
14	X		
15	X		
16	X		
17	X		
18	X		
19	X		
20	X		
21	X		
22	X		
23	X		
24	X		
25	X		
26	X		
27	X		
28	X		
29	X		
30	X		
31	X		
32	X		

TABLE NBR "T3"	CLASS CODE	CLASS TYPE	NO. CHAR.
1	X	7	32
2	X		
3	X		
4	X		
5	X		
6	X		
7	X		
8	X		
9	X		
10	X		
11	X		
12	X		
13	X		
14	X		
15	X		
16	X		
17	X		
18	X		
19	X		
20	X		
21	X		
22	X		
23	X		
24	X		
25	X		
26	X		
27	X		
28	X		
29	X		
30	X		
31	X		
32	X		

TABLE NBR "T8"	CLASS CODE	CLASS LITERAL	NO. CHAR.
1	X	4	32
2	X		
3	X		
4	X		
5	X		
6	X		
7	X		
8	X		
9	X		
10	X		
11	X		
12	X		
13	X		
14	X		
15	X		
16	X		
17	X		
18	X		
19	X		
20	X		
21	X		
22	X		
23	X		
24	X		
25	X		
26	X		
27	X		
28	X		
29	X		
30	X		
31	X		
32	X		

FILE DEFINITION

File Label Name	LSW2 - TABLES
Records Per Block	10
Char/Bytes Per Record	32
Type of Format	FIXED LENGTH
Storage Device	DISK
Recording Mode	SECTOR CONTIGUOUS
Label Records Are	STANDARD
Retention Cycle	PERMANENT
PROGRAMS USING THIS FILE	
Input To	Output From
D500-006 MERGE	D500-004 EDIT
D500-008 FORMAT	

FILE SEQUENCE

FIELD NAME	POSITION	NO. CHAR.
1 TABLE NBR	1-2	2
2 CODE	3	1-5
3		
4		
5		
6		
7		
8		
9		
10		
11		

FOOTNOTES

MAXIMUM NUMBER OF ENTRIES:

T1 = 20 T5 = 15
T2 = 8 T6 = 120
T3 = 22 T8 = 4
T4 = 4

THESE MAY BE INCREASED BY MINOR CHANGES TO PROGRAMS D500-004 AND D500-008.

*Characteristics TO PROGRAMS REVISIONS	A
Alphanumeric	X
Numeric	9
Assumed Decimal Point	V
Examples of Signed Fields	
S9999	9999S
S999V99	9999V9S
Date	BY



RECORD LAYOUT

File I.D. Number L S W 2

Application LLCAS

File Description USER TABLES FILE

By DAN Du BOIS Date SEP 72 Page 2 of 2

FIELD NAME	TABLE NBR "T4"	OPERATION NBR	OPERATION LITERAL	FUNCTION LITERAL	ACTIVITY SEQUENCE NBR	OPERATION NBR	FUNCTION CODE	ACTIVITY LITERAL
CHARACTERISTICS* CHARACTERS/BYTES RELATIVE POSITION	1	1	1	1	1	1	1	1
T4 OPERATION TABLE	2	1	1	1	1	1	1	1
T5 FUNCTION TABLE	2	1	1	1	1	1	1	1
T6 ACTIVITY TABLE	2	1	1	1	1	1	1	1

FILE DEFINITION

File Label Name	
Records Per Block	
Char/Bytes Per Record	
Type of Format	
Storage Device	
Recording Mode	
Label Records A/c	
Retention Cycle	

PROGRAMS USING THIS FILE	
Input To	
Output From	

FOOTNOTES

SEE PAGE 1

*Characteristics
 Alphabetic or Blank A
 Alphanumeric X
 Numeric 9
 Assumed Decimal Point V
 Examples of Signed Fields
 S9999 9999S
 S999V99 9999V9S

REVISIONS	
Date	BY



RECORD LAYOUT

FIELD NAME	CHARACTERISTICS* CHARACTERS/BYTES RELATIVE POSITION
FILE HEADER RECORD	
FILE HEADER RECORD	

REPORT ID	NBR OF RESPONDING LIBRARIES	COLUMN NBR (01-12)	LIBRARY LITERAL	ZERO FLAG (0-4)
X	2	3		
I	2	3		

REPORT ID	LIBRARY LITERAL	OPERATION NBR	FUNCTION CODE	ACTIVITY SEQUENCE NBR	CLASS TYPE	Σ HOURS	Σ DOLLARS	ACTIVITY CODE
X	X	X	X	939	X	9(6)V99	9(7)V9(4)	X
I	I	I	I	I	I	8	11	3
						10	1718	2329
						5		32

REPORT ID	LIBRARY LITERAL	OPERATION NBR	FUNCTION CODE	ACTIVITY SEQUENCE NBR	CLASS TYPE	Σ HOURS	Σ DOLLARS	ACTIVITY CODE
X	X	X	X	939	X	9(6)V99	9(7)V9(4)	X
I	I	I	I	I	I	8	11	3
						10	1718	2329
						5		32

FILE LABEL NAME	RECORDS PER BLOCK	CHAR/BYTES PER RECORD	TYPE OF FORMAT	STORAGE DEVICE	RECORDING MODE	LABEL RECORDS ARE	RETENTION CYCLE
LSPS-REPORTS	19	32	FIXED LENGTH	DISK	TRACK SEGMENTED	STANDARD	1 DAY

PROGRAMS USING THIS FILE	INPUT TO	OUTPUT FROM
	0500-008	0500-006

FIELD NAME	POSITION	NO. CHAR.
Major		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
Minor		

FOOTNOTES
FORMAT IS IDENTICAL TO LSWG-REPORTS

* Characteristics
 Alphabetic or Blank A
 Alphanumeric X
 Numeric 9
 Assumed Decimal Point V
 Examples of Signed Fields
 S9999 9999S
 S999V99 9999V9S

REVISIONS	Date	By
1	SEP 72	D. Du Bois



RECORD LAYOUT
REPORT WORK FILE

File I.D. Number LSW6

Application LLCAS File Description _____ By DAN DU BOIS Date 6 SEP 72 Page 1 of 1

FIELD NAME	REPORT ID	NBR OF RESPONDING LIBRARIES	COLUMN NBR	LIBRARY LITERAL	ZERO FLAG (0-4)	ACTIVITY SEQUENCE NBR	CLASS TYPE	HOURS	DOLLARS	ACTIVITY CODE
CHARACTERISTICS*	X	2	3 4	X	9	999	X	16	11	28129
CHARACTERS/BYTES RELATIVE POSITION	1	2	3 4	X	9	999	X	16	11	28129
FILE HEADER RECORDS	X	2	3 4	X	9	999	X	16	11	28129
SUMMARY REPORTS	X	2	3	X	9	999	X	16	11	28129
DETAIL REPORT	X	2	3	X	9	999	X	16	11	28129

FILE DEFINITION	FILE SEQUENCE	FOOTNOTES
File Label Name <u>LSW6 - REPORTS</u>	FIELD NAME	POSITION NO. CHAR.
Records Per Block <u>19</u>	1 Pos. 1-15 ASC.	1-15 15
Char/Bytes Per Record <u>32</u>	2 Pos 16 DESC.	16 1
Type of Format <u>FIXED LENGTH</u>	3	
Storage Device <u>DISK</u>	4	
Recording Mode <u>TRACK SEGMENTED</u>	5	
Label Records Are <u>STANDARD</u>	6	
Retention Cycle <u>SCRATCH</u>	7	
PROGRAMS USING THIS FILE	8	
Input To _____	9	
Output From _____	10	
<u>D500-008</u>	11	

*Characteristics

Alphabetic or Blank	A
Alphanumeric	X
Numeric	9
Assumed Decimal Point	V
Examples of Signed Fields	99999 99995
	S999V99 9999V95

REVISIONS

Date	BY
1 SEP 72	D. Du Bois

FORMAT IS IDENTICAL TO LSW5 - REPORTS

Section 6

INPUT

THE CALIFORNIA STATE UNIVERSITY AND COLLEGES -
LIBRARY LABOR COST ACCOUNTING SYSTEM
RUN SPECIFICATION

Col 11 A

12 MAY 1972

DATE FORMAT IS MM DD YY.
Cols 12 13 14 15 16 17

1. Col 18 SUMMARY REPORTS CODE - If a summary report is required place a "1" here, else leave blank and no summary will be provided.

2. Col 19 DETAIL REPORTS CODE - If detail reports are required place a "1" here, else leave blank and no detail reports will be provided.

3. Col 20 DETAIL TYPE CODE - Indicate the content of the detail report here where:

- A. Both time and dollars are to be displayed use "1"
- B. Dollars only are to be displayed use "2"
- C. Time only is to be displayed use "3"

4. Col 21 PARTICULAR TIME CODE - If all weeks presented in the input are to be processed and displayed place a "1" here, else leave blank and only the week or weeks designated below will be processed.

NOTE: If this box is blank, at a minimum the next box (5, below) must contain a valid week code.

5. Col 22 23 "FROM/ONLY" WEEK CODE - If the above box (number 4) is blank, this box must contain the numeric code for the specific week to be processed or the numeric code for the first of a group of weeks to be processed.

6. Col 24 25 "TO" WEEK CODE - If a group of weeks is to be processed this box must contain the numeric code for the last week in the group. If this box is left blank, only the week designated in box 5 (above) will be processed.

7. Col 26 PARTICULAR RESPONDENT CODE - If all libraries represented in the input are to be processed and displayed place a "1" here, else leave blank.

NOTE: A minimum of one library must be designated and up to five can be specified (below) if this box is blank.

8. FIRST LIBRARY CODE - If above box (number 7) is blank, this box must contain a valid library code. These codes are:

Bakersfield	35	Pomona	10
Chico	20	Sacramento	60
Dominguez Hills	55	San Bernardino	63
Fresno	25	San Diego	65
Fullerton	50	San Francisco	75
Hayward	05	San Jose	80
Humboldt	30	San Luis Obispo	15
Long Beach	40	Sonoma	85
Los Angeles	45	Stanislaus	90
Northridge	70		

9. SECOND LIBRARY CODE - (Optional) Enter here the code for the second library to be processed (table of valid codes above).

10. THIRD LIBRARY CODE - (Optional) Enter here the code for the third library to be processed (table of valid codes above).

11. FOURTH LIBRARY CODE - (Optional) Enter here the code for the fourth library to be processed (table of valid codes above).

12. FIFTH LIBRARY CODE - (Optional) Enter here the code for the fifth library to be processed (table of valid codes above).

13. SPECIFIC MEDIA CODE - To designate the type media to be processed enter the appropriate media code from the table below:

<u>Code</u>	<u>Media</u>
0	Books & Serials
1	Periodicals
2	A/V Materials
3	Microform
4	Curriculum
b	All (Detail Report Segregated By Media)
x	All (Detail Report Combines All Media)

14. CONTRIBUTOR CODE - To designate specific personnel types to be processed. Enter the appropriate contributor code from the table below:

<u>Code</u>	<u>Contributor</u>
T	Technical Processing
P	Public Services
b	All

15.
Col 39

DETAIL FILE OPTION - Enter 'D' to prevent file LST1 Detail File from being input to this run. leave blank when Detail File is to be processed. When 'D' is entered, the system assumes that the Detail File has already been processed in a previous run, and that file LSW4 Sorted Detail File exists. This option may also be used when it is desired to only edit Production Unit Cards, and perform no other processing. NOTE: The Detail File must be re-input whenever changes in selection criteria are desired, e.g., media, library, week, etc.

16.
Col 40

DETAIL ERROR LIST OPTION - Enter 'L' to suppress production of Detail Error List.

17.
Col 41

PRODUCTION UNITS ERROR OVERRIDE - Enter 'E' to prevent errors in Production Unit Cards from halting the system; invalid cards will be dropped, and processing continues. When this option is left blank, the presence of any errors in Production Unit Cards will cause the system to abnormally terminate upon completion of the Edit Program (D500-004).

NOTE: The user has the option of submitting, or of not submitting, User Table Cards and/or Production Unit Cards. The system interprets the absence of these card files as follows:

- a) When User Table Cards ('T' in col 11) are not submitted, the system assumes that File LSW2 User Tables has already been created by a previous run.
- b) When Production Units Cards are not submitted, the system assumes that File LSW3 Sorted Production Units has already been created by a previous run. NOTE: Changes in selection criteria do not necessitate re-input of Production Unit Cards, so long as the existing file LSW3 contains full data. This is because selection of Production Units occurs in both D500-004 Edit and D500-006 Merge. Note that this procedure differs from selection of Detail File records, which occurs only in program D500-004 Edit.

PRODUCTION UNIT SUMMARY		COLLEGE: _____			DATE: _____	
		Books & Serials	Periodicals	A-V & other Graphic Mat.	Microforms	Total
I. A. Preliminary Activities (No. Requests Processed)						
B. Ordering (No. Titles Ordered)						
C. Receiving (No. Titles Received)						
(No. Volumes Received)						
II. H. Added Copies/ Added Volumes Routine (No. Volumes Added)						
I. Cataloging (No. Titles Cataloged)						
J. Original Cataloging (No. Titles Cataloged)						
K. Card Production & Processing (No. Card Sets Produced)						
L. End Processing (No. New Vols. Processed)						
(No. Volumes Mended)						
(No. Volumes Bound)						

COMMENTS:

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Preliminary Activities</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: S _____ Salary Step _____	Analyst's use Hourly Rate			
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day			Analyst's use		
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
1. Open, sort and distribute incoming mail.							
2. Review book order requests.							
3. Review selection media.							
4. Select titles to be ordered.							
5. Type library order request card.							
6. Other (specify)							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Ordering</u> AUTHOR: _____	Page <u>1</u> of <u>2</u> Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate			
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day			Analyst's use		
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
7. Bibliographic searching.							
8. Assign vendor and fund.							
9. Prepare multiple order record.							
10. Type purchase requisition, etc.							
11. Revise typing.							
12. Sign and mail requests.							
13. Burst and file forms.							
14. Encumbrance or pre-payment routine.							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Ordering, Continued</u> AUTHOR: _____	Page <u>2</u> of <u>2</u> Month _____ Week Dates _____ thru _____					
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate				
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day					Analyst's use	
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS		
15. (Other (specify))								
5	COMMENTS/FOOTNOTES							

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Receiving</u> AUTHOR: _____	Page <u>1</u> of <u>2</u> Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____				
3		4 PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day					
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	Analyst's use TOTAL HOURS	
16. Unpack books; check against packing list or invoice.							
17. Prepare confirming order (approvals, standing orders, etc.)							
18. Check outstanding order file.							
19. Check in serials and periodicals on Kardex.							
20. Collate books.							
21. Book return procedure (incorrect shipment, defective copy, approval books).							
22. Book accessioning routine.							
23. Write sourcing information.							
5 COMMENTS/FOOTNOTES							

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Receiving, Continued</u> AUTHOR: _____	Page <u>2</u> of <u>2</u> Month _____ Week Dates _____ thru _____
--------------------	---	--	---

2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____	Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate _____
---	--	---	------------------------------------

3 ACTIVITY	4 PERSONNEL HOURS						Analyst's use		
	Enter times in quarter-hour segments per 8-hour day							TOTAL HOURS	
	MON.	TUE.	WED.	THUR.	FRI.				
24. Prepare gift record form.									
25. Book distribution routine.									
26. Prepare receiving report (claims schedule).									
27. Prepare invoices for payment.									
28. Expenditure routine.									
29. Other (specify)									

5	COMMENTS/FOOTNOTES	
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FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Post-Cataloging</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate			
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day					
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	Analyst's use	
						TOTAL HOURS	
30. Clear in-process file.							
31. File forms, etc. in completed records or discard.							
32. Requester notification routine.							
33. Periodic accessions list routine.							
34. Other (specify)							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Miscellaneous Activities</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____
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2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____	Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate
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	4 PERSONNEL HOURS							Analyst's use	
3	Enter times in quarter-hour segments per 8-hour day								
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS			
35. Vendor status routine.									
36. Claims routine.									
37. Cancellations routine.									
38. Out-of-print order routine.									
39. Process inquiries.									
40. Other (specify)									

5	COMMENTS/FOOTNOTES	
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FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Pre-cataloging</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____					
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate				
3	4	PERSONNEL HOURS						
		Enter times in quarter-hour segments per 8-hour day						
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	Analyst's use		
						TOTAL HOURS		
41. Sort books, assign and distribute.								
42. Search for cataloging copy; verify bibliographic information.								
43. Search NUC.								
44. Search IDC-MCRS.								
45. Search CARDSET.								
46. Other (specify)								
5	COMMENTS/FOOTNOTES							

FUNCTION WORKSHEET	1	COLLEGE: <u>Obtaining and Maintaining</u> FUNCTION: <u>L.C. Data</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____
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2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____	Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate
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3	4	PERSONNEL HOURS						Analyst's use		
		Enter times in quarter-hour segments per 8-hour day							TOTAL HOURS	
		MON.	TUE.	WED.	THUR.	FRI.				
47.	Order LC cards or other units.									
48.	Receive and arrange LC cards.									
49.	Receive and arrange LC proof slips or proof sheets.									
50.	File LC cards (cards or proof).									
51.	Other (specify)									

5	COMMENTS/FOOTNOTES	
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FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Added Copies/Added Volumes Routine</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate _____			
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day			Analyst's use		
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
52. Added copies/added volumes routine.							
53. Other (specify)							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>L. C. Cataloging</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate			
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day			Analyst's use		
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
54. Match LC cards or proof copy and books.							
55. Catalog and classify with LC cards/copy.							
55a. Shelf list checking.							
56. Revision of cataloging.							
57. Other (specify) (U.C. catalogs and other acceptable sources).							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Card Reproduction and Processing</u> AUTHOR: _____	Page <u>1</u> of <u>2</u> Month _____ Week Dates _____ thru _____					
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate				
3	4	PERSONNEL HOURS						
ACTIVITY		Enter times in quarter-hour segments per 8-hour day					Analyst's use	
		MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
		62. Type complete card sets.						
		63. Type master card.						
		64. Revise master card.						
		65. Type modification on a card or proof slip.						
		66. Reproduce card sets (other than typing).						
		67. Sort cards into sets.						
		68. Type call number, added entries.						
		69. Revise typing on card sets.						
5	COMMENTS/FOOTNOTES							

FUNCTION WORKSHEET	1	COLLEGE: <u>Card Reproduction and</u> FUNCTION: <u>Processing, Continued</u> AUTHOR: _____	Page <u>2</u> of <u>2</u> Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____				
		Analysts use Hourly Rate					
3	4	PERSONNEL HOURS					
		Enter times in quarter-hour segments per 8-hour day					
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	Analysts use	
						TOTAL HOURS	
70. Prepare (typing) authority cards.							
71. Prepare (typing) cross-reference cards.							
72. Other (specify)							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>End Processing</u> AUTHOR: _____	Page <u>1</u> of <u>2</u> Month _____ Week Dates _____ thru _____						
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate					
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day			Analyst's use				
		ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
		73. Prepare circulation card.							
		74. Prepare book pocket.							
		75. Mark call number or place label on spine of volume.							
		76. Affix pocket and date due slip; affix gift plate.							
		77. Affix biographical and review material in book.							
		78. Stamp property marks.							
		79. Affix plastic jacket to book.							
		80. Binding routine (State Printer or Commercial binder).							
5	COMMENTS/FOOTNOTES								

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>File Maintenance</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____				
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use Hourly Rate			
3	4	PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day			Analyst's use		
ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	
86. Sort and arrange shelf list.							
87. File shelf list.							
88. Revise filing of shelf list and all catalog cards.							
89. Sort and alphabetize <u>all</u> catalog cards in the set.							
90. File <u>all</u> catalog cards.							
91. Revise filing of <u>all</u> catalog cards.							
92. Catalog maintenance.							
93. Other (specify)							
5	COMMENTS/FOOTNOTES						

FUNCTION WORKSHEET	1	COLLEGE: _____ FUNCTION: <u>Administration</u> AUTHOR: _____	Page _____ of _____ Month _____ Week Dates _____ thru _____					
2	EMPLOYEE IDENTIFIER Assigned to PS _____ or TS _____ Local Code: _____		Classification: _____ Monthly Salary: \$ _____ Salary Step _____	Analyst's use: Hourly Rate _____				
3	4 PERSONNEL HOURS Enter times in quarter-hour segments per 8-hour day							
	ACTIVITY	MON.	TUE.	WED.	THUR.	FRI.	TOTAL HOURS	Analyst's use
	94. Supervision							
	95. In-service training.							
	96. On-campus meetings.							
	97. Off-campus meetings.							
	98. Public Service Activities.							
	99. Other (specify)							
5	COMMENTS/FOOTNOTES							

California State University and Colleges

Standardized Technical Processing Activities
Scope of Functions Performed

I. Acquisitions

A. Preliminary Activities

1. Open, sort and distribute incoming mail:
Mail is opened and sorted into like items (publishers advertisements, catalogs, book requests, invoices, incoming books, serials, etc.), and distributed to appropriate processing point.
2. Review book order requests:
Book order requests are examined to determine their bibliographic completeness, their suitability to the scope of the collection, and the status of the funds against which they will be charged. Book order requests satisfy specific information needs and build the collection in departmental areas. Includes replacement orders.
3. Review selection media:
Selection media are periodically reviewed to identify new titles which should be added to the collection. Placement of orders by review of selection media satisfies the general subject scope of the collection.
4. Select titles to be ordered or kept:
Titles which satisfy departmental or general interests are selected for order placement, within budgetary limitations. Includes approvals and gifts.
5. Type library order request card:
Typist prepares library order request card from bibliographic information supplied by the requester. Information may be sent in the form of publishers flyers, brochures, handwritten request lists, catalogs, bibliographies, etc. A single order request card is typed or handwritten for each title selected. Libraries frequently supply order request cards to each academic department, with instructions for order placement. They can then use the request card completed by the department rather than duplicate work with a separate typing.

B. Ordering

7. Bibliographic searching.
Requests are searched: (1) To establish entry, complete missing bibliographic information, and determine availability of title and LC copy through *Cumulative Book Index*, *National Union Catalog*, *Books in Print*, *Book Publishing Record*, card catalog, etc.; (2) to determine possible duplication of title, through card catalog and outstanding order file.

Different libraries perform differing levels of searching/verification. Some are primarily interested in verifying form of entry, some want to establish price and others will not place the order until the complete citation has been verified.

8. Assign vendor and fund:
Librarian designates dealer or publisher with whom an order will be placed, and indicates the fund to be encumbered.
9. Prepare multiple order record:
Typist completes multiple-order form for each title ordered, following oral or written instructions for each group of orders. Multiple order form may also be xeroxed or otherwise reproduced.
10. Type purchase requisition, etc.:
Typist prepares requisition or order, either in ordering a group of titles (initial order), or as a confirming request for payment for materials already received.
11. Revise typing:
Librarian examines typed orders, noting that information is accurately typed and is complete.
12. Sign and mail requests:
Requests are signed, appropriate vendor copies are placed in addressed envelopes and orders are mailed to assigned vendor or publisher.
13. Burst and file forms:
All forms are separated and sorted for distribution. Order forms prepared by xerox or other reproduction are cut apart and sorted for distribution. Sorted forms are filed in designated files; i.e., outstanding orders file, purchase requisition or order file, fund file, etc.
14. Encumbrance or preparation routine:
Encumbrance entry is made in ledger under appropriate fund for each title ordered. If library budgetary records are calculated on unit record equipment, an encumbrance card(s) is keypunched from order record information.

C. Receiving

16. Unpack books; check against packing list or invoice:
Packages containing books are opened, books are arranged for checking, and checked against packing slip and/or invoice. Incoming books are screened to determine which need special handling.
17. Prepare confirming order:
Type order form for title received on approval plan, standing order, etc. Burst forms and file in appropriate file.

18. Check outstanding order file:
Outstanding order file slips are pulled, or date of receipt of book is noted on the slip which remains in order file until processing completed.
19. Check in serials and periodicals on Kardex:
Serials are separated from the other titles and are entered in the Kardex records before further processing.
20. Collate books:
Book is examined page by page to determine whether signatures have been properly bound and print is clear.
21. Book return procedure (incorrect shipment, defective copy, approval books):
Books which have been incorrectly supplied, approval books not selected, and defective copies are prepared for return shipment to the supplying source.
22. Book accessioning routine:
Accession number is stamped on book for positive identification of individual title. Number may be stamped or otherwise recorded on one or more records as aid in identification, and in slipping charge cards. Formal accessions record (ledger) may be maintained in which accessions number, author, title, publisher, date, order source, price, etc., are recorded for each item accessioned. Informal accessions record may be in form of notebook of invoices or order slips stamped with accessions number.
23. Write sourcing information:
Information on source of order is written in each book, usually on the page following the verso of the title page: (1) Copy number of book; (2) date of receipt of book in library; (3) source of order (vendor or publisher); (4) list price of book.
24. Prepare gift record form:
A gift record is prepared for each book given the library which is added to the collection. (*Note:* A library order request card, or multiple order record may be typed, depending upon how many copies of the record the library requires in processing gift materials.)
25. Book distribution routine:
A process form may be prepared to be routed with each title. Books are forwarded to the Cataloging Department or placed in a holding area, depending upon available copy and processing treatment.
26. Prepare receiving report (claims schedule):
A report is prepared certifying receipt of materials for which payment is requested.
27. Prepare invoices for payment:
Invoices are checked to insure that all titles listed on the invoice have been received. Any discrepancies (incorrect shipment, defective copy, etc.) are

noted, necessary changes are made, and the invoice is certified for payment, either through preparation of a receiving report or by signature of the librarian on the invoice itself. Forms are sent to the Business Office for payment.

28. Expenditure routine:

Expenditure amounts are posted under appropriate titles and funds in the ledger (or an expenditure card is keypunched for each title paid). Fund encumbrance and expenditure data are maintained on current basis on a ledger or on punched cards. Periodic reports are distributed to academic departments for which library maintains records, and to purchasing or Fiscal Office. Credit memos are accounted for.

D. Post-Cataloging

30. Clear in-process file:

Order slips are pulled from outstanding orders file when Acquisitions receives notification from Cataloging that title is completely processed, and is ready for circulation.

31. File forms, etc., in completed records or discard:

Prepared forms used in the order process are filed in required completed orders files, or are discarded when removed from the in-process files.

32. Requester notification routine:

Requester is notified that title is processed and is ready for circulation.

33. Periodic accessions list routine:

A list of selected or total recent acquisitions is prepared on a periodic basis, and sent to faculty members. Includes serials listings, directories, print-outs, etc.

E. Miscellaneous Activities

35. Vendor status routine:

Write dealer's reply on order form in outstanding order file; pull order form if dealer has cancelled order, or if library wants to cancel.

36. Claims routine:

Order files are periodically searched to locate orders which have been outstanding beyond the established period for claims. Form letters are prepared (or multiform slips are reproduced) and mailed to the ordering source, requesting explanation of delay in receiving requested material.

37. Cancellations routine:

Orders which the source cannot supply are cancelled, with possible placement to another source (dealer, publisher, out-of-print dealer). Appropriate forms are pulled from all in-process files at time of cancellation, reason noted, and determination made of desirability of a re-order.

38. Out-of-print order routine:

Desired out-of-print materials may be ordered through an out-of-print dealer or advertised in a publication such as the *Antiquarian Bookman* or the

Library Bookseller (TLAB). A letter is prepared for either purpose and mailed to the source. A request form is typed for each title ordered and filed in the in-process file.

39. Process inquiries:
Answer specific inquiries from requester regarding status of an order in process; general inquiries concerning status of in-process order noted in public catalog by patron; general inquiries regarding bibliographic information, i.e., author, title, date of publication, publisher, price, etc.

H. Cataloging

F. Pre-Cataloging

41. Sort books, assign and distribute:
Books delivered from the Acquisitions Department are sorted into categories for processing: i.e., added volumes, added copies, books with LC copy, books for which LC cards/copy must be searched, original cataloging, etc. Books are placed on book trucks and distributed to the appropriate processing area.
42. Search for cataloging copy; verify bibliographic information:
Additional searching is done to verify bibliographic data and to locate cataloging copy or copy closely approximating titles to be cataloged.
43. Search NUC:
Search NUC and LC catalog of printed cards to verify bibliographic data and locate cataloging information.
44. Search IDC-MCRS:
Search IDC-Micrographic Cataloging Retrieval System indexes to locate bibliographic data for cataloging input.
45. Search CARDSET:
Search CARDSET indexes to locate bibliographic data for cataloging input and card reproduction.

G. Obtaining and Maintaining L.C. Data

47. Order LC cards or other unit cards:
Cards to be ordered are determined, order is prepared (multiple-form LC slip, or preprinted, typed LC order), LC or other unit card order (Wilson cards, etc.) is sent, and interim (outstanding) order slip is filed. Unit cards are frequently ordered at the time orders for new titles are placed.
48. Receive and arrange LC cards:
Upon receipt of cards, LC interim order slip is pulled, LC cards are sorted, and matched, or held for filing (and later matching with incoming books).
49. Receive and arrange LC proof slips or proof sheets:
Upon receipt of proof slips, slips are examined, sorted and matched with books or held for filing. Proof sheets are examined, cut apart, sorted, and matched with books or held for filing.

50. File LC copy (cards or proof):
LC copy is sorted (unless received pre-sorted) and filed as it is received.

H. Added Copies/Added Volumes Routine

52. Added copies/added volumes routine:
The main entry and shelf list cards are pulled, added copies or volumes are entered on these records (also the Kardex record in some cases) and the books are then ready for physical processing.

I. LC Cataloging

54. Match LC cards or proof copy and books:
Upon receipt of both book and LC card set, a match is accomplished through systematic, periodic check of both book holding shelves and LC card holdings drawers, or a proof copy is pulled.
55. Catalog and classify with LC cards/copy:
LC cards or copy are compared with book to insure that cards match the book in question. Titles are classified (LC or Dewey Decimal), entries may be checked in the public catalog, subjects established, and modifications made, if necessary. Call number is written inside the book.
- 55a. Shelf List Checking: (See 60)
56. Revision of Cataloging:
Cataloging and classification are checked by *someone other than the cataloger himself* to ensure correctness and appropriateness. Corrections or changes are made as necessary.

J. Original Cataloging

58. Original cataloging and classifying:
Cataloger performs descriptive cataloging, subject analysis, classification, and authority work (i.e., name subject, etc.) for titles for which no LC copy is available. Cataloger prepares a work slip or work sheet to be used in typing copy for catalog card reproduction.
59. Revision of Cataloging:
Cataloging and classification are checked by *someone other than the cataloger himself* to ensure correctness and appropriateness. Corrections or changes are made as necessary.
60. Shelf listing Checking:
The shelf list is examined to prevent duplicate assignment of a call number. A temporary shelf list slip/card is prepared and filed to reserve the call number while the book is being processed, and before a permanent shelf list card is prepared and filed.

K. Card Reproduction and Processing

62. Type complete card sets:
Complete card sets are typed; or additional cards are typed as required to complete card sets.

63. Type master card:
A master card is typed, to be used in reproducing sets of unit cards by electrostatic or photoreproductive processes. A complete set of catalog cards may be typed in lieu of reproducing the set.
64. Revise master card:
Master card is proofread to correct any typing errors. If a complete set of catalog cards is typed, each card must be examined for errors.
65. Type modification on a card or proof slip:
Close copy is modified, if little modification is required. Modified copy then serves as master card for reproduction of card sets.
66. Reproduce card sets (other than typing):
Some method of card reproduction is used to duplicate a set of catalog cards from each master card typed.
67. Sort cards into sets:
Reproduced cards are sorted into sets after reproduction (and cutting, if necessary).
68. Type call number, added entries:
Call number is typed on cards in the set; established added entries are typed at top of cards in the set; shelf list card is typed.
69. Revise typing on card sets:
Cards are revised to verify accuracy of typing, both of call number and added entries.
70. Prepare authority cards:
Authority cards are typed or otherwise prepared as necessary for authority files mentioned.
71. Prepare cross-reference cards:
Cross-reference cards are typed or otherwise prepared as new subject (and corporate) entries are established, and emphasis on established subjects changes.

I. End Processing

73. Prepare circulation card:
A circulation charge card(s) is typed or prepared for all books processed into the library's circulation collection.
74. Prepare book pocket:
Identifying bibliographic elements may be typed on the book pocket; or adhesive label containing elements may be attached to the pocket.
75. Mark call number or place label on spine of volume:
Call number is hand lettered or otherwise placed on the spine of a book (through use of self-adhesive labels, commercial labeling machines, etc.). Special location designation strips and symbols are affixed to spine.

76. Affix pocket and date due slip. Affix gift plate:
Book card pocket is glued into book in a predetermined position. Date due slip is tipped in. Gift plate is pasted in book in a fixed position.
77. Affix biographical and review material in book:
Biographical material about the book's author, and significant reviews found on dust jacket are clipped and pasted in book.
78. Stamp property marks:
The library's identifying stamp is placed on the book at several fixed locations (i.e., edge stamp, title page, secret page, etc.).
79. Affix plastic jacket to book:
Plastic jacket is placed over dust cover and affixed to the book.
80. Bindery Routine. (Preparation and Receiving):
Paperback books and other paperbound materials are prepared for shipment to the State Printer or local bindery. Paperwork required for the bindery is prepared. Upon return, the shipment is checked, records changed to reflect titles which have been returned, and volumes readied for processing.
81. Library binding and mending:
Libraries equipped for "home binding" may bind paperback books or place in pamphlet binders. Includes general repair or mending.
82. Revise completed books before forwarding to circulation:
Completely processed books are checked to insure accuracy of typing and processing.
83. Distribution:
Books are sorted according to various categories or destinations, e.g., reference, new book display shelf, and are delivered to their destination.
84. Cancellations and Withdrawals:
Materials which are declared lost (cancellations) or withdrawn because of excessive wear, obsolescence, etc., require that the library records be changed, catalog cards, shelf lists, etc., be removed or changed as appropriate and the physical volumes, if available, are stamped "withdrawn" and discarded.

M. File Maintenance

86. Sort and arrange shelf list:
Cards (shelf list, main catalog, authority, cross-reference, etc.) are arranged in order in which they will be filed.
87. File shelf list:
Cards are filed in the shelf list, public catalog and other files following library's rules for systematic arrangement of card files.
88. Revise filing of shelf list.
Filing is checked to insure its accuracy; corrections are made where necessary.

89. Sort and alphabetize *all* catalog cards in the set:
This function includes the sorting and alphabetizing of card sets for new titles, main entry and analytic cards for added volumes, cards for titles recataloged or reclassified, cards withdrawn to update entry, etc. These cards are arranged in 26 groups according to the 1st letter of the 1st word of catalog entry with additional sortings of each subgroup by 2nd or 3rd letter, and the final arrangement of each subgroup in alphabetic order, word by word, to the end of the entry in each card.
90. File *all* catalog cards:
Interfiles of all catalog cards sorted and alphabetized as in 89 in the public catalog and the authority file which the catalog department maintains.
91. Revise filing of all catalog cards:
This function may include any or all of the following activities: review of filing of catalog cards as mentioned in 90; notification and correction of filing errors, and the making of filing decisions.
92. Catalog maintenance (other than filing):
Replacement of worn or mutilated cards, correction of changed or incorrect entries, etc., is entailed in maintenance of the card catalog.

N. Administration

94. Supervision:
Identifiable supervisory activities not inherently included in other activities. Includes review, coordination, and supervisory activities associated with conduct of this study.
95. In-service training:
Includes time spent, whether on- or off-campus, attending workshops, seminars, lectures, etc. which are intended to maintain or upgrade skills. Also, includes travel time to and from place of work.
96. On-campus meetings:
Includes time spent in attending and participating in campus meetings, whether or not related to library functions.
97. Off-campus meetings:
Includes time spent in attending and participating in any off-campus meeting authorized by supervisor.
98. Public Service Activities:
Includes activities performed by technical service staff unless defined above.

Section 7

REPORT SAMPLES

CALIFORNIA STATE UNIVERSITY AND COLLEGES

LIBRARY LABOR COST ACCOUNTING SYSTEM

ERRORS - PRODUCTION UNITS

LOCAL/FIELD/CCOE/COMMENT

PAGE 1

000000 TOTAL ERRORS, 000000 RECORDS REJECTED, 000000 RECORDS BYPASSED, 000380 RECORDS INPUT, 000380 RECORDS OUTPUT.

CARD IMAGE

CALIFORNIA STATE UNIVERSITY-AND COLLEGES

LIBRARY LABOR COST ACCOUNTING SYSTEM

ERRORS - DETAIL

WARD IMAGE

LOCAL/FIELD/CCODE/CCAPPENT

450711870	00197	0066	00500040	04000300	0350	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
450811126	00272	004	04100700		0040	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
451811126	00331	007	0450041002200420		034	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
450812906	00370	009		0100	0450	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
450811870	00197	013	02200210	002000020	039	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
450811870	00197	017	010002300100		0	013	DAILY TIME NOT NUMERIC
350712902	00577	002	00300060002001300230		017	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
350712902	00577	004	0010	0020	0060	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
350712902	00577	009	0010		004	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
350711126	00287	010	03400520022001200100		039	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
350712902	00577	017	002000300010		0340	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
350711870	00220	009	02000200		017	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
350612902	00577	004	0020	0120	006	GARBAGE IN RESERVED COLUMNS	
350612904	00311	009	02100120		034	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
350612902	00577	017	0100		039	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
400711126	00200	001	01000150015001000100		017	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
400712905	00361	009	0020	0020	0150	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
400711870	00226	017	04000400		0150	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
400711126	00200	027	04500200040005000400		039	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
400711126	00200	035	01000400020001500100		017	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
451212901	00668	004	0010	0010	0450	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
45121870	00197	000	111016201030009001320		0150	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
					034	012	ACTIVITY CCGE NCT IN ACTIVITY TABLE
					1110	015	DAILY TIME EXCEEDS TEN FOURS--ACC/ROUND
					1110	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
					1500	015	DAILY TIME EXCEEDS TEN FOURS--ACC/ROUND
					1320	014	TIME NCT IN QUARTER HOURS--ACC/ROUND
					1320	015	DAILY TIME EXCEEDS TEN FOURS--ACC/ROUND
					1320	014	TIME NCT IN QUARTER HOURS--ACC/ROUND

CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

SUMMARY

LIBRARY CODE	***** ORDERING ***** \$	\$/UNIT %	***** CATALOGING ***** \$	\$/UNIT %	***** PROCESSING ***** \$	\$/UNIT %	* RELATED ACTS * \$	%	TOTAL \$
A	5,469	.70 18.5	7,120	2.61 24.1	5,131	1.26 17.4	11,821	40.0	29,541
B	4,319	1.77 21.1	4,864	2.05* 23.8	5,362	1.85 26.2	5,513	28.9L	20,458
C	3,833	.97 26.0	1,651L	.68L 11.2L	3,128	1.07 21.2	6,155	41.7	14,787
C	7,506	1.10 17.6	12,716*	2.03 29.7	6,730	1.44 15.7	15,816	37.0	42,768*
E	4,580	1.23 19.7	7,536	2.21 32.3	3,446	.44L 14.8	7,747	33.2	23,309
F	6,995	1.42 19.0	12,629	2.59 34.3	4,704	.73 12.8	12,499	33.9	36,827
G	1,808L	.60L 15.8	2,629	.69 23.0	3,064	.64 27.0H	3,888L	34.1	11,403L
H	7,804	.69 26.6	8,655	2.64 29.5	4,119	.87 14.1	8,728	29.8	29,306
I	2,580	1.23 15.5	4,537	1.38 27.2	2,214	2.14H 19.2	6,358	38.1	16,559
J	12,851	1.93 21.8	13,943	2.02 23.7	6,171*	.49 10.5L	25,955	44.1H	58,920
K	8,846	1.97 13.2L	18,984H	.94 28.4*	13,055H	.56 19.5	26,070H	38.9	66,955H
L	9,532	1.24 18.6*	15,678	1.81 30.6	9,719	1.31 18.9	16,386	31.9	51,315
M	11,515	1.72 20.5	14,294	1.90 25.3	9,871	1.03* 17.4	20,833	36.8	56,613
N	5,806	.63 13.5	15,737	2.76H 36.6H	7,932	1.07 18.4	13,542*	31.5	43,017
C	8,748	.83 18.3	15,221	2.41 31.9	6,495	.96 13.6	17,247	36.1	47,712
P	17,992H	5.37H 27.0	13,185	1.66 19.8	11,652	1.58 17.5*	23,834	35.8	66,663
C	7,220*	.78 14.6	15,902	2.15 32.6	9,094	.97 18.6	16,621	34.0	48,817
P	10,341	1.08* 16.0	18,870	2.58 29.2	12,570	1.94 19.5	22,832	35.4*	64,633
S	4,598	1.28 30.4H	3,464	2.15 21.1	2,568L	.76 15.6	5,424	33.0	16,454
TOTAL	142,843		207,615		128,046		267,639		746,203

LIBRARY LABOR COST ACCOUNTING SYSTEM

UNIT CCST SUMMARY

LIBRARY CODE	PROCESS REQUEST	TITLE ORDERED	TITLE RCVD	VOLUME RCVD	VOLUME ADDED	LC CATALOG	ORIG CATALOG	CARC SETS	VOLUME PPROCESS	VOLUME BOUND	VOLUME PEND
A	.29	.41	.07L	.20	.54	.87	8.16H	.85	.41	1.85	.54
B	.94	.83	.08	.04L	.37	1.02	7.02	1.40	.45	NO J	.48
C	.51	.46	.65	.53	.13	.25	1.35	.53	.54H	.89	2.26
D	.52	.57	.63	.23	.50	.57	2.00	1.04	.40	1.22	1.84
E	.67	.50	.40	.29	1.25H	.56	1.75	.17L	.27	.14	3.40H
F	.70	.72	.86	.50	.97	.80	3.08	.53	.21	2.43	.64
G	.26	.33L	.25	.24	.20	.21L	.47L	.44	.20	.42	.50
H	.23L	.46	.50	.22	.74	.99	2.64	.00	.27	.68	.82
I	.27	.95	.66	.39*	.05L	.56	3.74	1.80H	.34	.79	.37
J	1.32	.61	.56	.16	.13	.75	3.85	.35	.14	.47	1.72
K	.69	1.28H	.56	.50	.22	.25	5.67	.45	.12	3.2J	.83
L	.72	.52	.66	.25	.11	.86	3.42	1.10	.22	1.99	.38
M	.69	1.03	1.02	.97	.17	.73	2.86	.54	.09L	.89	.79
N	.23	.40	.95	.90	.17	1.95H	1.89	.71	.36	.83	.51
O	.48	.35	.34	.50	.39	.93	4.64	.60	.36	NO JL	.25L
P	4.63H	.74	1.94H	1.40H	.51	.55	1.95	1.22	.36	4.10	.26
Q	.39	.40	.48	.41	.32	.73*	2.98*	.7J*	.28	.88*	.35
R	.52*	.56*	1.31	.76	.33*	1.36	2.04	1.48	.46	NO U	.62*
S	.60	.68	.62*	.37	1.20	.72	3.01	.48	.28*	25.41H	.50

CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOUR COST ACCOUNTING SYSTEM

BIBLIOGRAPHIC SEARCH SUMMARY

LIBRARY CODE	* GENERAL SEARCH \$	HRS	** NUC SEARCH \$	HRS	*** MCRS \$	HRS	**** CAROSET \$	HRS	***** TOTAL \$	HRS
A	1,950	629	679	193	537	187	NO U	NO D	3,166	1,009
B	1,463	466	514	179	429	222	NO D	NC D	2,466	867
C	1,502	592	406	208	NO D	NO D	2	1	1,916	799
D	3,818	1,283	602	189	562	205	NO D	NC D	4,982	1,677
E	1,884	463	629	202	313	117	NO D	NC D	2,826	782
F	3,779	1,255	2,783	777	531	184	NO D	NC D	7,093	2,216
G	359	125	1,144	331	NC U	NO D	NO D	NC D	1,503	456
H	1,933	811	906	273	78	36	NO U	NC U	2,917	1,114
I	1,097	531	663	293	NO D	NO D	5	3	1,765	827
J	4,995	1,437	2,864	874	1,349	488	NO D	NC D	9,208	2,799
K	4,712	1,429	2,241	590	25	9	231	72	7,213	2,100
L	3,346	925	1,639	540	NO D	NO D	NO D	NC D	4,979	1,465
M	7,484	2,512	1,081	323	NO U	NO D	NO D	NC D	8,545	2,835
N	4,515	1,180	1,042	407	4	1	NO D	NC D	5,561	1,588
O	4,341	1,389	1,673	512	9	3	NO D	NC D	6,023	1,904
P	8,273	2,980	1,733	589	NO U	NO D	NO U	NC U	10,006	3,569
Q	3,611	1,058	3,329	1,029	13	3	NC U	NC D	6,953	2,090
R	6,224	1,628	1,274	364	NC D	NO D	12	7	7,516	1,999
S	1,890	460	492	135	629	252	NC D	NC D	3,011	847
TOTAL \$	67,150	21,151	25,694	8,608	4,543	1,701	250	33	97,637	30,943

CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

PRODUCTION UNITS

LIBRARY CODE	PROCESS REQUEST (A)	TITLE ORDERED (B)	TITLE RCVD (C)	VOLUME RCVD (D)	VCL/COPIY ACQD (E)	LC CATALCG (F)	ORIG CATALCG (G)	CAKU SET PRD (H)	VOLUME PROCESS (I)	VOLUME NENE (J)	VOLUME BOUND (K)
A	9,327	6,726	71,138	24,334	1,423	2,776	300	3,521	5,213	1,321	302
B	2,363	2,526	26,656	2,832	576	2,635	130	2,412	4,428	760	0
C	4,543	3,290	2,476	3,014	836	2,626	186	1,409	4,444	522	151
D	5,556	7,690	8,761	23,472	2,739	4,526	2,857	3,796	6,998	840	894
E	3,730	3,671	6,243	8,492	630	6,214	821	0	7,778	122	1,215
F	6,009	3,891	4,770	8,269	1,009	6,207	590	5,722	8,136	1,591	486
G	4,207	2,098	5,853	6,206	523	4,365	808	3,733	7,156	872	211
H	18,631	7,490	5,360	12,187	1,336	2,706	1,332	3,683	7,079	1,527	1,178
I	5,076	1,252	3,305	5,541	2,423	2,855	475	757	3,702	845	580
J	6,392	7,207	13,650	47,834	11,352	5,127	1,409	10,433	17,886	1,132	3,441
K	6,723	3,275	9,753	10,973	9,727	21,995	1,236	20,471	33,346	2,545	1,099
L	8,213	6,506	6,406	21,806	17,553	6,942	1,192	6,810	14,400	2,744	1,414
M	10,699	4,147	6,264	6,599	6,241	6,095	1,563	6,150	47,764	1,423	1,747
N	14,508	6,082	5,697	5,954	4,618	1,722	4,041	5,696	10,366	1,974	1,207
O	11,615	9,121	19,111	13,058	4,494	5,606	1,253	5,329	9,095	921	0
P	2,446	9,056	4,992	6,922	3,446	6,475	1,921	6,688	9,635	1,752	890
Q	12,385	6,115	7,935	9,348	4,506	6,337	1,568	7,932	11,712	3,227	957
R	10,990	8,307	4,937	8,623	3,831	5,864	1,362	5,797	8,728	3,727	0
S	5,309	2,692	3,039	5,568	224	3,119	273	2,771	4,836	762	17
TOTAL	149,152	101,542	218,766	231,324	77,485	104,194	24,247	162,544	221,924	31,962	15,795

LIBRARY LABOR COST ACCOUNTING SYSTEM

OPERATION
FUNCTION
ACTIVITY

ACTIVITY DETAIL FOR A/ALL MEDIA

COST(\$)/TIME(HRS)

	PROFESSIONAL HRS	LIBRARY ASSISTANT HRS	CLERICAL HRS	STUDENT ASSISTANT HRS	TOTAL HRS
I. ACQUIS					
A. PRELIM					
1 MAIL	3	59.00	1,014	327.00	386.75
2 REQUEST	47	26.00	6		38.50
5 TYPE	4	19.25	524	53	234.25
6 OTHER	24	4.75	26		13.50
SUB-TOTAL	78	104.25	1,570	59	673.00
B. ORDER					
7 SEARCH	100	132.25	1,101	2	1,709
742 SEARCH		3.00	26		39
743 NUC			29		29
744 MCRS		3.00	47		60
745 CAROSET					
8 VENDOR	2	12.75	61		35.00
10 TYPE PO	15	4.00	629	52	236.50
11 REVISE	160	37.25	4		164
12 SIGN	44	11.50	41		38.75
13 FILE	107	25.25	322		26.50
14 ENCUMBER	136	35.50	140		140.50
15 OTHER	1	3.25	243		84.00
SUB-TOTAL	106	273.75	2,643	54	3,886
C. RECEIVE					
16 UNPACK	11	2.50	227		122.50
18 ON ORDER	3	.75	156		73.25
19 KAKDEX			834		350.50
20 COLLATE					
21 RETURN	15	3.25	246		85.25
22 ACCESS	10	2.25	2		3.00
23 SOURCE	3	.50			1.00
24 GIFT	1	.25			
25 DISTRIB	39	7.25	304		38.50
26 RECEIPT	7	1.50	407		117.25
27 INVOICE			7		6.75
28 EXPEND	240	53.50	34		204.75
29 OTHER	303	71.75	989		44.25
SUB-TOTAL			3,268		1,655
D. POST CAT					
30 CLEAR	2	.50	174		105.25
31 FILE			19		25.00
32 NOTIFY	20	3.25	126		155
33 LIST			52		32.50
34 OTHER	20	4.25			5.50
SUB-TOTAL	42	8.00	371		219.00

7.1.16

CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

7.1.17

OPERATION FUNCTION ACTIVITY	PROFESSIONAL \$	HRS	LIBRARY ASSISTANT \$	HRS	CLERICAL \$	HRS	STUDENT ASSISTANT \$	HRS	TOTAL \$	HRS
I. ACQUIS										
E. MISC										
35 REPORTS	297	57.25	367	104.25	361	121.25	11	6.50	1,036	289.25
36 CLAIMS			5	1.25	134	43.00			139	44.25
37 CANCEL			14	3.75	112	37.25			126	41.00
38 O.P.	15	3.50	1	.25	420	134.00			436	137.75
39 INQUIRY	16	3.00	217	63.75	293	96.75			526	163.50
40 OTHER			21	5.50	118	37.25			139	42.75
SUB-TOTAL	328	63.75	625	178.75	1,438	469.50	11	6.50	2,402	718.50
SUB-TOTAL	863	183.75	2,899	755.00	9,290	3,130.00	859	382.75	13,911	4,451.50
II. CATALOG										
F. PRE CAT										
41 SORT	4	.75	25	6.75	75	25.00	15	9.00	119	41.50
42 SEARCH	4	.75	8	2.00	127	46.50	18	9.50	157	58.75
43 NUC	307	67.75	140	42.75	201	70.75	2	1.00	650	182.25
44 MCRS	70	13.50	52	16.25	297	103.25	58	33.75	477	166.75
45 CARDSET										
46 OTHER	37	7.00	7	2.00	1	.25	4	2.00	49	11.25
SUB-TOTAL	422	89.75	232	69.75	701	245.75	97	55.25	1,452	460.50
G. LC DATA										
47 ORU CRDS										
48 REC LC				.50	11	4.25	7	4.25	18	8.50
49 REC PS			2	.50			13	7.50	15	8.00
50 FILE							11	6.25	11	6.25
51 OTHER							2	1.00	2	1.00
SUB-TOTAL			2	.50	11	4.25	33	19.00	46	23.75
H. ADD C/V										
52 ADD C/V			63	18.75	657	220.25			720	239.00
53 OTHER	25	4.75	63	18.75	24	8.50			49	13.25
SUB-TOTAL	25	4.75	63	18.75	681	228.75			769	252.25
I. LC CAT										
54 MATCH	12	2.25	21	6.00	11	3.75	6	3.25	50	15.25
55 CATALOG	1,259	239.75	686	216.50	19	6.75			1,964	463.00
55A SL CHK	91	16.25	55	30.00	1	.50			187	46.75
56 REVISE	53	9.75	47	14.75					100	24.50
57 OTHER	55	9.75	48	15.25	1	.25			104	25.25
SUB-TOTAL	1,477	277.75	897	282.50	32	11.25	6	3.25	2,405	574.75
J. ORIG CAT										
58 CATALOG	2,252	450.75	12	3.00					2,252	450.75
59 REVISE	46	6.25							58	11.25
60 SL CHK	66	13.00							66	13.00

CALIFORNIA STATE UNIVERSITY AND COLLEGES
LIBRARY LABOR COST ACCOUNTING SYSTEM

7.1.18

OPERATION FUNCTION ACTIVITY	PROFESSIONAL \$	HRS	LIBRARY ASSISTANT \$	HRS	COST(\$ / TIME(HRS))	CLERICAL \$	HRS	STUDENT ASSISTANT \$	HRS	TOTAL \$	HRS
I. CATALOG											
J. ORIG CAT	74	13.50	12	3.00						74	13.50
61 OTHER		485.50								2,450	488.50
SUB-TOTAL	2,438										
K. GRD PROC											
62 SET CDS	59	15.50	462	123.00		377	125.50			898	268.00
63 MASTER	70	16.25	147	43.75		92	28.50			309	88.50
64 REV MSTR			9	2.50		251	85.50	6	3.50	266	51.50
65 MODIFY			18	5.00		47	18.00	81	47.75	146	70.75
66 REPRO			2	.50		1	.50	38	22.25	41	23.25
67 SORT	23	6.00	274	75.00		517	184.00	23	13.00	837	278.00
68 NO, A E			90	28.50		2	.75			92	29.25
69 REV TYPE	13	2.50	20	5.25		46	13.00			73	20.75
70 AUTH CD			5	1.50		16	5.50			21	7.00
71 X REF CD	24	4.50	20	6.00		197	67.00	63	36.25	304	113.75
72 OTHER	183	44.75	1,047	231.00		1,540	532.25	211	122.75	2,987	990.75
SUB-TOTAL											
L. END PROC											
73 CIRC CD			24	7.50		246	86.00	155	86.75	425	185.25
74 BK PKT			44	11.25		2	.75	10	4.75	12	5.50
75 SPINE	4	1.00				43	14.75	209	103.50	300	130.50
76 FIX SLP						390	121.25	25	13.75	415	135.00
77 FIX REV			1	.25		60	20.25	45	24.50	106	45.00
78 STAMP								5	2.75	5	2.75
79 JACKET			101	29.25		458	171.00	489	255.00	559	260.25
80 BINDERY			8	2.00		244	76.00	2	1.00	741	332.00
81 MENDING			425	123.50		53	16.75	2	1.00	570	156.75
82 REVISE	90	15.50	3	.75		1	.50	18	8.75	23	10.25
83 DISTRIB	1	.25	32	8.75		48	16.25	1	.75	117	32.50
84 WRAHAL	36	6.75				223	69.25	42	23.75	312	101.75
85 OTHER	47	8.75									
SUB-TOTAL	178	32.25	638	183.25		1,758	532.75	1,001	525.25	3,585	1,333.50
M. FILING											
86 SORT SL			14	3.75		34	12.50	4	2.50	52	18.75
87 FILE SL	2	.50	77	21.50		61	22.00	2	1.25	142	45.25
88 REV SL	6	1.00	15	3.75		2	.75			23	5.50
89 SORT CAT			13	3.75		18	6.25	92	52.50	123	62.50
90 FILE CAT	54	9.00	158	46.75		421	147.25	76	44.50	703	247.50
91 REV CAT	59	10.75	94	27.25		13	4.25			166	42.25
92 MAINTAIN	232	49.25	131	36.50		150	62.25	100	58.00	653	197.00
93 OTHER	60	12.00	12	3.50				1	.50	73	16.00
SUB-TOTAL	413	73.50	514	146.75		739	255.25	275	159.25	1,341	534.75
SUB-TOTAL	5,135	1,008.25	3,405	995.50		5,472	1,870.25	1,623	884.75	15,635	4,756.75
TOTAL \$	5,958	1,192.00	6,304	1,750.50		14,762	5,000.25	2,482	1,267.50	29,546	9,210.25