A MANAGEMENT INFORMATION SYSTEM FOR ALLOCATING, MONITORING AND REVIEWING WORK ASSIGNMENTS

JUNE 1986

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THESIS
A MANAGEMENT INFORMATION SYSTEM FOR
ALLOCATING, MONITORING AND REVIEWING
WORK ASSIGNMENTS

by

Robert L. Bourassa

June 1986

Thesis Advisor: F. R. Richards

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This thesis investigated the feasibility of developing a small scale management information system on a micro-computer. The working system was developed around the Operations Research Society of America (ORSA) three tiered review and acceptance process for articles submitted for publication in the ORSA Journal.

The management information system was designed using Ashton-Tate's dBaseIII software. As designed, the system will operate on any computer operating under Microsoft's Disk Operating System (MS-DOS). The user must provide his own dBaseIII software.

A similar management information system could be tailored to almost any operation having a need to monitor, control and evaluate time sensitive workloads.
A Management Information System for Allocating, Monitoring and Reviewing Work Assignments

by

Robert L. Bourassa
Operations Research Analyst, Defense Logistics Agency
B.S., University of Maine 1971

Submitted in partial fulfillment of the requirements for the degree of
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Author: Robert L. Bourassa
Approved by: F. Russell Richards, Thesis Advisor

Douglas Moses, Second Reader

Willis R. Greer, Jr., Chairman
Department of Administrative Sciences

Kneale T. Marshall
Dean of Information and Policy Sciences
ABSTRACT

This thesis investigated the feasibility of developing a small scale management information system on a micro-computer. The working system was developed around the Operations Research Society of America (ORSA) three tiered review and acceptance process for articles submitted for publication in the ORSA journal.

The management information system was designed using Ashton-Tate's dBaseIII software. As designed, the system will operate on any computer operating under Microsoft's Disk Operating System (MS-DOS). The user must provide his own dBaseIII software.

A similar management information system could be tailored to almost any operation having a need to monitor, control and evaluate time sensitive workloads.
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I. INTRODUCTION

A. BACKGROUND

Managers in all industries, including the Department of Defense (DoD), are faced with the task of providing a product or service in a timely and efficient manner. This task becomes more difficult as the work to be accomplished is either more diversified or the manager is required to delegate the responsibilities for accomplishing the tasks or sub tasks to various people within his organization. Complexity increases if the manager must rely on someone outside of his or her immediate authority for input to the final product.

The role of the mid-level manager in the Department of Defense has become more and more diversified and complex as the sophistication of defense systems has increased. The reductions in staffing levels along with limitations on resources available require the manager to not only optimize efficiency but also closely monitor time sensitive issues.

The advent of office automation throughout the Government has proven to have both advantages and disadvantages. The availability of stand alone micro-computers provides for rapid analysis of specific
problems such as statistical computations. The average mid-level manager now has at his disposal powerful hardware and software that he quite often cannot use effectively. These sophisticated tools, in many instances, provide more computational power than the manager needs or has time to learn to use. Elaborate commercially available software has been developed that will provide assistance in a wide range of areas. The typical manager does not require the full capabilities of these packages and therefore cannot afford to devote the time necessary to utilize them efficiently. Quite often, subsets of these commercial packages are all that are needed. Therefore, the manager, lacking either the time or the expertise, does not avail himself or herself of these tools.

What the mid-level managers need is software tailored more specifically to their operations. The use of a small scale management information system could prove highly beneficial to many managers within the Department of Defense.

B. STATEMENT OF PROBLEM

Can a stand alone, versatile and manageable information system be developed to assist the mid-level manager in planning, monitoring and controlling workload along with evaluating operational performance within available resources?
Some other relevant questions that were addressed include but are not limited to:

1. Can existing software be employed or must software be developed?

2. What are the subsequent hardware requirements for the preferred software?

3. How compatible are the software and hardware requirements to existing DoD resources?

4. How flexible is the selected software should future modifications to the system be needed?

The management information model developed in this thesis uses commercially available software. The system will operate on micro-computers operating under the Microsoft Disk Operating System (MS-DOS). The software used allows modifications to the management information system should future requirements change. Micro-computers using MS-DOS are currently in the DoD inventory.

The balance of this thesis will describe the methods used in developing the management information system along with step by step instructions on how the user would access and use the system.

C. SCOPE

The main thrust of this thesis was to determine the feasibility of developing a relatively small scale management information system. Once such a system proved feasible, a model was developed. The system, or one similar to the system developed, will provide the manager with a
resource/decision tool for assisting in fulfilling time sensitive managerial responsibilities.

The management information system actually presented in this paper was designed around the Operations Research Society of America's (ORSA) three tiered process of reviewing and approving articles that are submitted for inclusion into the Society's bimonthly journal.

The Society's review and acceptance for publication of articles that are submitted is based upon a three tiered process. Articles are submitted to the editor who has the overall responsibility for the articles that are eventually published in the ORSA journal. The editor assigns each article he receives to an area editor. The selection of the area editor depends upon subject area of the article submitted. The area editors, in turn, forward the articles to the actual reviewers. There is a special interest group (SIG) chairman for each subject area.

Authors of prospective articles may submit their articles directly to the area editors. In cases where this occurs, the receiving area editor must inform the editor of the proposed articles so that the editor can maintain control over the entire operation.

The editor must assure that articles are reviewed in a timely manner. He must also maintain an overall view of which subject areas have the most activity, what are the
relevant statistics associated with review and publication times, and, what are the acceptance rates of submitted articles within the various subject areas.

The editor has the task of reviewing, accepting and publishing articles for the Society's journal but without definitive authority over the two lower tiers in the review process. He must also respond to the queries of the SIG chairmen and submitting authors concerning the level of activity within the various subject areas, the acceptance status and expected publication dates of articles that were submitted.
II. METHODOLOGY

A. SOFTWARE

The selection of appropriate software was based upon a personal survey of software currently available in the marketplace. Evaluation criteria for the software included:

1. Current availability,
2. Ease of use,
3. Flexibility,
4. Interactive capability,
5. Established reputation with computer users,
6. Programmability and,
7. Available support from the vendor.

Some of the currently available software packages that were reviewed included:

1. Lotus 1-2-3 and Symphony from Lotus Development Corp.
2. Framework and dBaseIII from Ashton-Tate
3. Turbo Pascal and Reflex from Borland International
4. Fortran 77 from Digital Research
5. Microsoft Fortran from Microsoft, Corp.
6. R:base 5000 from Microrim, Inc.

The software used in developing the system was dBaseIII from Ashton-Tate. This software is well accepted by computer
users. The software can be used by novices using the integral interactive mode provided by the package. The dBaseIII package allows programming of functions and procedures that are specialized to the user. A system design within dBaseIII can be operated by a user having minimal knowledge of dBaseIII itself. If the operator can load the software onto the computer, the data base management system that was developed can be accessed and utilized.

The user must provide the dBaseIII software to use the management information system that was developed.

B. HARDWARE

The management information system and dBaseIII can be run on most computers that use the Microsoft Disk Operating System, known in the industry as MS-DOS. The MS-DOS used must be version 2.1 or later.

The management information system was developed on a micro-computer with MS-DOS 2.11. The available storage consisted of a standard 360 kilobyte floppy disk drive and a 10 megabyte hard disk. The system has 640 kilobytes of available random access memory (RAM).

Although a hard disk is a great convenience, the management information system can be used with a system having a minimum of two 360 kilobyte floppy disk drives.
C. DATABASE DESIGN

The databases were developed around the ORSA requirements for reviewing, accepting or rejecting and publishing articles that are submitted for inclusion in the bimonthly ORSA journal. Three different databases were deemed necessary:

1. A publication database to accommodate information specific to each article submitted;

2. An author database for information on authors submitting articles; and,

3. An area editor and SIG chairman database for administrative information on the area editors and the special interest group chairmen.

4. A subject category database containing subject category codes and subject titles. These are assigned to articles depending upon the related subject area.

The size of each field within a database was determined by a combination of sampling and logical interpretation. The size of the fields for article title, author names and author's affiliation were determined by sampling articles that have been published in the ORSA journal over the last three years (1983 - 1985). The results of the sampling are depicted in Table 1.
TABLE 1

SAMPLING RESULTS

<table>
<thead>
<tr>
<th>Sample size</th>
<th>Mean Length of Characters</th>
<th>Std deviation Length of Characters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article title</td>
<td>269</td>
<td>67.1</td>
</tr>
<tr>
<td>Author names</td>
<td>433</td>
<td>14.5</td>
</tr>
<tr>
<td>Author affiliations</td>
<td>71</td>
<td>26.5</td>
</tr>
</tbody>
</table>

The final size of these data fields were increased over their means to all the majority of the article titles, author names and author affiliations to be entered completely into the appropriate databases.

Two additional databases are included in the management information system. These are the historical publications database and the historical authors database. These two databases allow archiving records that require no further action. This capability to archive records provides two distinct benefits.

1. Statistics on past performance can be retained. This historical database can be removed from the system until it is needed for updates.

2. The primary databases can be purged of historical information thereby reducing the size of the database and providing a savings in processing time.

1. Publications Database

The database structure for the publications database is provided in Table 2.
TABLE 2
STRUCTURE FOR PUBLICATIONS DATABASE

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Data Type</th>
<th>Field Size</th>
<th>Field Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE</td>
<td>Character</td>
<td>100</td>
<td>Article title</td>
</tr>
<tr>
<td>SUBNUMB</td>
<td>Numeric</td>
<td>5</td>
<td>Submission number</td>
</tr>
<tr>
<td>AUTHORS</td>
<td>Numeric</td>
<td>1</td>
<td>Number of authors</td>
</tr>
<tr>
<td>SUBDATE</td>
<td>Date</td>
<td>8</td>
<td>Submission date</td>
</tr>
<tr>
<td>CATNUMB1</td>
<td>Character</td>
<td>3</td>
<td>1st subject category</td>
</tr>
<tr>
<td>CATNUMB2</td>
<td>Character</td>
<td>3</td>
<td>2nd subject category</td>
</tr>
<tr>
<td>CATNUMB3</td>
<td>Character</td>
<td>3</td>
<td>3rd subject category</td>
</tr>
<tr>
<td>AREA</td>
<td>Character</td>
<td>5</td>
<td>Area edtor code</td>
</tr>
<tr>
<td>ACCCODE</td>
<td>Character</td>
<td>1</td>
<td>Acceptance status code</td>
</tr>
<tr>
<td>MODTIME</td>
<td>Numeric</td>
<td>4</td>
<td>Days in modification</td>
</tr>
<tr>
<td>ACRJDATE</td>
<td>Date</td>
<td>8</td>
<td>Accept/reject date</td>
</tr>
<tr>
<td>PUBDATE</td>
<td>Date</td>
<td>8</td>
<td>Publication date</td>
</tr>
</tbody>
</table>

Total record length 150 characters

The database structure depicted in Table 2 applies to both the current and historical publications data bases.

2. Authors Database

Both the current authors database and the historical authors database have the same structure. This structure is illustrated in Table 3.

TABLE 3
STRUCTURE FOR AUTHORS DATABASE

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Data Type</th>
<th>Field Size</th>
<th>Field Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBNUMB</td>
<td>Numeric</td>
<td>5</td>
<td>Submission number</td>
</tr>
<tr>
<td>LASTNAME</td>
<td>Character</td>
<td>15</td>
<td>Author's last name</td>
</tr>
<tr>
<td>FIRSTNAME</td>
<td>Character</td>
<td>12</td>
<td>Author's first name</td>
</tr>
<tr>
<td>AFFILIATE</td>
<td>Character</td>
<td>50</td>
<td>Author's affiliation</td>
</tr>
<tr>
<td>ADDRESS1</td>
<td>Character</td>
<td>30</td>
<td>1st address line</td>
</tr>
<tr>
<td>ADDRESS2</td>
<td>Character</td>
<td>30</td>
<td>2nd address line</td>
</tr>
<tr>
<td>CITY</td>
<td>Character</td>
<td>20</td>
<td>City of residence</td>
</tr>
<tr>
<td>STATE</td>
<td>Character</td>
<td>20</td>
<td>State or country</td>
</tr>
<tr>
<td>ZIP</td>
<td>Character</td>
<td>10</td>
<td>Zip code</td>
</tr>
<tr>
<td>PHONE</td>
<td>Character</td>
<td>12</td>
<td>Telephone number</td>
</tr>
</tbody>
</table>

Total record length 205 characters
3. **Area Editors Database**

The area editors database is unique in that it contains information about two groups of people. These are the area editors and the special interest group chairmen. The content of this database unlike the publication or author databases is essentially fixed. The information contained applies primarily to the administrative functions of the ORSA operation. The area editor represents the second level of the three tiered review system. The information in this database will need to be updated only when an area editor or a SIG chairman is replaced. The structure of the database is reflected in Table 4.

4. **Subject Category Database**

The subject category database is provided merely as an online reference to the subject category numbers and the subjects themselves. The subject category numbers are two or three digit numbers that cross reference an article with a specific subject area. Each author is required to suggest three subject areas that the article that is being submitted could be classified under. These category numbers are used for annual indices of articles that were published by the Society.

This database is probably the most static of all the databases provided. The structure of this database consists of only two fields both of which contain character data.
The first is the CATNUMB field which is three characters wide and contains the subject category number. The other is the SUBJECT field which is 60 characters wide and contains the subject title.

### TABLE 4

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Data Type</th>
<th>Field Size</th>
<th>Field Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA</td>
<td>Character</td>
<td>5</td>
<td>Subject area code</td>
</tr>
<tr>
<td>TITLE</td>
<td>Character</td>
<td>65</td>
<td>Subject area title</td>
</tr>
<tr>
<td>LASTNAME</td>
<td>Character</td>
<td>15</td>
<td>Area editor last name</td>
</tr>
<tr>
<td>FIRSTNAME</td>
<td>Character</td>
<td>12</td>
<td>Editor first name</td>
</tr>
<tr>
<td>AFFILIATE</td>
<td>Character</td>
<td>75</td>
<td>Editor's affiliation</td>
</tr>
<tr>
<td>ADDRESS1</td>
<td>Character</td>
<td>30</td>
<td>1st address line</td>
</tr>
<tr>
<td>ADDRESS2</td>
<td>Character</td>
<td>30</td>
<td>2nd address line</td>
</tr>
<tr>
<td>CITY</td>
<td>Character</td>
<td>20</td>
<td>City of residence</td>
</tr>
<tr>
<td>STATE</td>
<td>Character</td>
<td>20</td>
<td>State or country</td>
</tr>
<tr>
<td>ZIP</td>
<td>Character</td>
<td>10</td>
<td>Zip code</td>
</tr>
<tr>
<td>PHONE</td>
<td>Character</td>
<td>12</td>
<td>Telephone number</td>
</tr>
<tr>
<td>SIGCHAIR</td>
<td>Character</td>
<td>25</td>
<td>SIG's full name</td>
</tr>
<tr>
<td>SAFILLIATE</td>
<td>Character</td>
<td>60</td>
<td>SIG's affiliation</td>
</tr>
<tr>
<td>SADDRESS1</td>
<td>Character</td>
<td>30</td>
<td>1st address line</td>
</tr>
<tr>
<td>SADDRESS2</td>
<td>Character</td>
<td>30</td>
<td>2nd address line</td>
</tr>
<tr>
<td>SCITY</td>
<td>Character</td>
<td>20</td>
<td>City of residence</td>
</tr>
<tr>
<td>SSTATE</td>
<td>Character</td>
<td>20</td>
<td>State or country</td>
</tr>
<tr>
<td>SZIP</td>
<td>Character</td>
<td>10</td>
<td>Zip code</td>
</tr>
<tr>
<td>SPHONE</td>
<td>Character</td>
<td>12</td>
<td>Telephone number</td>
</tr>
</tbody>
</table>

Total record length 502 characters

D. MANAGEMENT INFORMATION SYSTEM PROGRAMS & FILES

The programs used in the management information system were written using the language inherent in dBaseIII. This allows any prospective user to merely load dBaseIII onto his system and immediately access the management information system. Once the system is initialized, using the system is simply a matter of selecting options from menus and
responding to prompts. This enables the occasional user to use the elaborate structures within dBaseIII without having to have any intimate knowledge of the software package.

The system is comprised of database files, executable programs, format files, label structure files, and index files.

The database files are the core of the entire system. All other files and programs perform functions and calculations based upon the contents of the database files. The structure of the data base files were previously depicted in Table 2 through Table 4.

The purpose of the remaining files and programs are further detailed in the subsequent sections.

1. **Executable Programs**

   The executable programs perform some action on the databases. There are twenty-seven programs in the system. All of these programs have the file extension .PRG. A flow chart depicting the relationship between the programs and the menu selections available to the user is contained in Appendix A. A full text listing of each of these programs is provided in Appendix B. Table 5 lists the names and functions of the executable programs as they exist on the computer system.
2. Format Files

The format files in dBaseIII serve two purposes. The format file allows the program to specify a specific screen layout for the information that must either be presented to the user or received from the user. This type of file can be created once and used repeatedly in the same or different executable programs. This feature greatly reduces the amount of programming code that must be written. All dBaseIII format files have the extension .FMT. The names and functions of the eight format files used in this management information system are provided at Table 6. Full text listings of these files are also provided in Appendix A.

3. Label Files

The label files provided in this system enable the user to print mailing labels for either the area editors or the SIG chairmen. The format of these files is for standard 3 1/2 inch by 15/16 inch labels. These labels are limited to five lines of text with each line having a limit of 35 characters. In dBaseIII, label files are assigned the extension .LBL. The files TEDITOR and TSIG provide mailing labels for the area editors and the SIG chairmen, respectively.

4. Index Files

Index files in dBaseIII allow programs to access databases in a specific order. These files provide the same function as sorting except that they execute faster, require
less storage space and are automatically updated as items are added to or removed from the database. The default extension for index files is .NDX. This system uses eleven different index files. The names and functions of these files are illustrated in Table 7.
TABLE 5
EXECUTABLE PROGRAMS & THEIR FUNCTIONS

<table>
<thead>
<tr>
<th>Program</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAGEMNU</td>
<td>Menu for selecting which articles to check the age since receipt or return for modification.</td>
</tr>
<tr>
<td>TALLSTAT</td>
<td>Provides statistics on the average times from submission to acceptance/rejection, publication.</td>
</tr>
<tr>
<td>TARCDSEL</td>
<td>Archives and deletes a selected article.</td>
</tr>
<tr>
<td>TARCDELP</td>
<td>Archives and deletes all articles that have been published.</td>
</tr>
<tr>
<td>TDELETE</td>
<td>Deletes a selected article.</td>
</tr>
<tr>
<td>TDELMNU</td>
<td>Menu to delete or archive and delete articles.</td>
</tr>
<tr>
<td>TEDIT</td>
<td>Edit an existing record.</td>
</tr>
<tr>
<td>TEDITMNU</td>
<td>Menu to select what is to be edited.</td>
</tr>
<tr>
<td>TEDSIG</td>
<td>Edit the area editor or SIG chairmen database.</td>
</tr>
<tr>
<td>THOLDAGE</td>
<td>Check age of articles that are still in review.</td>
</tr>
<tr>
<td>TINPUT</td>
<td>Input new records to the publications and authors databases.</td>
</tr>
<tr>
<td>TMENU</td>
<td>Main menu of the management information system.</td>
</tr>
<tr>
<td>TMODAGE</td>
<td>Check the time since an article was return to the author for modification.</td>
</tr>
<tr>
<td>TPPRTAC</td>
<td>Review or print articles by acceptance status.</td>
</tr>
<tr>
<td>TPPRTAL</td>
<td>Review or print all articles in the publications databases.</td>
</tr>
<tr>
<td>TPPRTAR</td>
<td>Review or print articles within a specified subject area code.</td>
</tr>
<tr>
<td>TPPRTCN</td>
<td>Review or print articles with a given subject category number.</td>
</tr>
<tr>
<td>TPPRTSB</td>
<td>Review or print an article with a specified submission number.</td>
</tr>
<tr>
<td>TPRTAUTH</td>
<td>Review or print information from the authors databases.</td>
</tr>
<tr>
<td>TPRTED</td>
<td>Review or print information about a specific area editor code.</td>
</tr>
<tr>
<td>TPRTLBL</td>
<td>Select whether to print mailing labels for the area editors or the SIG chairmen.</td>
</tr>
<tr>
<td>TPRTSIG</td>
<td>Review or print information about a specific area SIG chairman.</td>
</tr>
<tr>
<td>TPRTSUBJ</td>
<td>Review or print subject category numbers and titles.</td>
</tr>
<tr>
<td>TPUBSTAT</td>
<td>Provides counts and percentages for various acceptance status codes on the publications.</td>
</tr>
<tr>
<td>TRPRTMNU</td>
<td>Menu to select which database is to be reviewed or printed and in what format.</td>
</tr>
<tr>
<td>TRPTPUB</td>
<td>Menu to select how articles will be reviewed or printed.</td>
</tr>
<tr>
<td>TSTATMNU</td>
<td>Menu to select statistical options.</td>
</tr>
</tbody>
</table>
### TABLE 6

**FORMAT FILES & THEIR FUNCTIONS**

<table>
<thead>
<tr>
<th>Program</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTHEDIT</td>
<td>This file paints the screen for editing author information.</td>
</tr>
<tr>
<td>AUTHINPT</td>
<td>Provides the layout to enter information for a new author.</td>
</tr>
<tr>
<td>LISTAREA</td>
<td>Constructs a menu layout for selecting a subject area to be acted upon.</td>
</tr>
<tr>
<td>PUBEDIT</td>
<td>The format screen for editing information in the publication database</td>
</tr>
<tr>
<td>PUBINPUT</td>
<td>Formats the screen for insertion of new articles into the publication database</td>
</tr>
<tr>
<td>TEDITOR</td>
<td>Provides the user with formatted information for the area editors.</td>
</tr>
<tr>
<td>TRPRTMNU</td>
<td>Paints the menu for available options in reviewing or printing articles from the publication database.</td>
</tr>
<tr>
<td>TSIG</td>
<td>Provides the user with formatted information for the special interest group chairmen.</td>
</tr>
</tbody>
</table>

### TABLE 7

**INDEX FILES & THEIR FUNCTIONS**

<table>
<thead>
<tr>
<th>Program</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAHSTSBN</td>
<td>Indexes the historical author data base by submission number.</td>
</tr>
<tr>
<td>TAREA2</td>
<td>Indexes the area editor and SIG chairman data base by subject area.</td>
</tr>
<tr>
<td>TATNAME</td>
<td>Indexes the authors by last and first names.</td>
</tr>
<tr>
<td>TAUTHSBN</td>
<td>Indexes authors by submission number.</td>
</tr>
<tr>
<td>THATNAME</td>
<td>Indexes the historical author by lastname and firstname.</td>
</tr>
<tr>
<td>TPHARSB</td>
<td>Indexes the historical publications by subject area and submission number.</td>
</tr>
<tr>
<td>TPHSTSBN</td>
<td>Indexes by submission number the historical publications data base.</td>
</tr>
<tr>
<td>TPUBACC</td>
<td>Indexed the publications data base by acceptance status code.</td>
</tr>
<tr>
<td>TPUBARSB</td>
<td>Indexes publications by subject and submission number.</td>
</tr>
<tr>
<td>TPUBSBN</td>
<td>Indexes the publications by submission number.</td>
</tr>
<tr>
<td>TSUBCAT2</td>
<td>Indexes the subject category file by subject category number.</td>
</tr>
</tbody>
</table>
III. MANAGEMENT INFORMATION SYSTEM OPERATION

A. SYSTEM INSTALLATION AND STARTUP

Installation of this system requires only that all the programs provided on the disk be maintained on the same drive. If a hard disk is available, all programs can be copied to that drive. Should space become a problem, especially on a floppy disk, the historical files can be moved to another disk. However, if the historical files are removed from the system disk, archiving and deleting records cannot be accomplished from the menu driven system. It would be necessary to reinstall these files prior to attempting an archive operation.

Accessing the management information system requires two steps beyond computer boot-up. First, dBaseIII must be initialized. Secondly, the command "do TMENU" must be input at the dBaseIII dot prompt. This command and all subsequent commands depicted in this section are input without the quotation marks. From this point on, the entire management information system is menu driven.

B. GENERAL COMMENTS ON THE SYSTEM

The management information system was developed with the user in mind. In all instances, the databases are
safeguarded from normal user errors. If an invalid entry is attempted, the current menu will either be redisplayed or an error message will be given before the user is allowed to retry an entry. Prompts are displayed throughout system execution whenever input is required from the user.

C. START-UP AND MAIN MENU

The first message that is presented when the system is initiated with the command "do TMENU" from the dBaseIII dot prompt is:

```
Today is Day of Week, Month Date, Year
If this is not the correct date enter N then reboot your system with the current date.
If the date is correct then hit Y to continue.

Enter N or Y:
```

For the management information system to operate correctly, it is absolutely necessary that the current date be correct whenever any articles are entered, edited or deleted. Statistics provided by the system also require the correct current date. Many computer systems are equipped with a clock calendar that automatically sets the correct time and date. On other systems, the user is asked to enter the correct time and date as part of the operating system initialization.

Once the correct date is established by answering "Y" or rebooting, the main menu will be presented.
Publications Database System

Make your selection from the following list:

1. Add new entries
2. Edit existing records
3. Review/Print entries
4. Check age of publications
5. Report statistics
6. Delete/Archive records
X. Exit to DOS

RETURN Exit to DBASE

Enter selection:

Each of these options will be depicted in the sections that follow.

D. ADD NEW ENTRIES

This is the first option available from the main menu. Selection of this option enables the user to enter new articles into the publication database and relevant authors to the authors database. After selecting this option, you will be prompted to enter the title of the article being input into the database. After the title is input, the system will automatically assign the next submission number that is available.

For illustrative purposes assume that the number 8 is the next available submission number. The system will display the following screen:
Submission number (XXXXX): 8
Title (100 characters max):
Solving 0-1 Integer Programming Problems Arising from Large Scale Planning Models
Number of authors (X):
Submission date (MM/DD/YY): 06/11/86
First subject category number (XXX):
Second subject category number (XXX):
Third subject category number (XXX):
Area editor subject abbreviation (XXXXX):
DABN DIS DNFP HCSSI ICS NRMEE
OPT ORP PSIMM SIESM SSPS SPTA

(Hit PgDn to move to author file.)

The system automatically assigns the submission number along with the current date and displays the title that was entered. All information can now be filled in for the article in question. Although automatically entered, the submission number and the submission date can be modified if desired. Modifying the submission number would only be reasonable if an earlier submission number had been deleted and the user choose to reuse that number. Modifying the submission date would be appropriate if the user "batches" several entries before updating the database. The user would simply write over the current date with the actual date of receipt. Any entry can be ignored by hitting the return key. The user may move freely among all data fields by using the up and down cursor arrows. The only exception to this is if the last field of the record is completely
filled in or the return key is pressed while in this field. At that point, the system will automatically transfer to the author input screen.

When all the information has been entered, the system will automatically present the user with the entry screen for the authors. This screen will be repeated a number of times equal to the value specified in the "Number of authors" field. The author input screen is depicted below. The submission number is inserted automatically. If the submission number was modified in the article entry screen, the submission number in the author screen must be modified also. The submission number is the linkage between the authors and the publications databases. Therefore, these numbers must match in both the publication database and the author database.

Submission number is (XXXXX): 8
Author's last name (15 max):
First name and initial (12 max):
Author's affiliation (50 max):

First address line (30 max):
Second address line (30 max):
City (20 max):
State or Country (20 max):
Zip code (XXXX-XXXX):
Telephone number (XXX-XXX-XXXX):

Hit PgDn for next author.

As before, the user can skip the entry of data for any fields or return to fields to add more information or
correct errors. After the information for all the authors has been provided, the user will be asked to enter the title of the next article. At this point the user may continue to enter information for more articles or return to the main menu by simply hitting the enter key.

E. EDIT EXISTING RECORDS

This is the second option on the main menu. Selection of this option presents the user with three choices.

1. Edit the publications database.
2. Edit area editors and SIG chairman files.

RETURN - exit this menu.

Enter choice:

Choices one and two both allow the user to edit records that have previously been entered. The procedure is essentially the same regardless of which database is selected for modification. The only significant difference is that the publication database uses the submission number to select the desired record while the area editors and SIG chairman database prompt the user for the subject area code. To continue with our initial example, assume that option one is chosen. When asked for a submission number suppose a value of 8 is entered. If the user is uncertain about the submission number that he wants to edit, option 3 of the main menu should be used to review articles and
verify the submission number. The system next presents the
user with the edit screen shown below.

Submission number (XXXXX): 8
Title (100 max)
Solving 0-1 Integer Programming Problems Arising from
Large Scale Planning Models
Acceptance code (X): H
H: in review A: accepted R: rejected
P: published M: returned for modification
Acceptance/Rejection date (MM/DD/YY): / / 
Publication date (MM/DD/YY): / / 
Submission date (MM/DD/YY): 06/11/86
Area editor subject abbreviation (XXXXX): ORP
  DABN DIS DNFP HCSSI ICS NRMEE
  OPT ORP PS1MM SIESM SSPS SPTA
Number of authors (X): 3
First subject category number (XXX): 181
Second subject category number (XXX): 625
Third subject category number (XXX):  
The first of 3 author(s) is: Johnson

(Hit PgDn to move to author file)

This screen shows all the information that was initially
entered for this submission number. The acceptance code (H)
was added by the system automatically at the time the record
was entered. It is assumed that when an article is first
input into the system, it is the beginning of the review
process. There should be no concern if the title displayed
in the edit screen splits a word at the end of a line. In
fact, a break in a word will occur frequently for titles
having 76 or more characters. The title which has a field
large enough to hold 100 characters is internally massaged
to prevent breaks within words when reports are generated.
The author name displayed in this form cannot be modified. It is provided solely for reference purposes. The author records can be modified with the next edit screen.

One word of warning about changing the "Number of authors" field in the publication database: there are no provisions for increasing or decreasing the number of authors for a given article or submission number within the edit module. It was assumed that the number of authors attributable to an article would be known when an article was first received. Should it be necessary to reduce or increase the number of authors, the best method is to delete that submission number and then re-enter it. Some data may be lost for statistical reporting purposes but this should be minimal provided that the change is made within a relatively short period of time after the article was first input into the system.

When all necessary modifications have been made to the record, the system will provide you with the first author screen.
Submission number is: 8
Author's last name (15 max): Johnson
First name & initial (12 max): Ellis L.
Author's affiliation (50 max):
IBM Thomas J. Watson Research Center
First address line (30 max):
Second address line (30 max):
City (20 max): Yorktown Heights
State or Country (20 max): New York
Zip code (XXXXX-XXXX): 
Telephone number (XXX-XXX-XXXX):

(Hit PgDn for next author.)

This screen will provide the same information that was initially input. After the last author record corresponding to a given submission number has been modified the user will be asked to enter another submission number. Simply hit enter to return to the previous menu or enter another number to continue editing.

F. REVIEW/PRINT ENTRIES

The third option presents the user with the following menu.

REVIEW & PRINT OPTIONS Selection:
1. Publications 2. Authors
3. Area editors 4. SIG Chairmen
5. Mailing labels 6. Sub. categories
7. Toggle Current/Historical Status: C
8. Toggle Screen/Printer Status: S

RETURN - Exit this menu
This sub-menu provides the options to review or print information from all of the indicated databases. Information can be reviewed or printed in many different forms. These will be illustrated shortly.

A few comments should be made on some of these options. Option 7 and option 8 are toggles to select whether the information reviewed will be on current or historical databases and whether the output device will be the monitor screen or the printer. The defaults for data to be reviewed are the current databases represented by the status letter "C". Selection of option 7 will change the status to "H" for historical database. The default for the output device is the monitor screen represented by status letter "S". Toggling this option will change the status letter to "P" for printer. Both of these toggles can be changed anytime from this menu.

1. Publications

Selection of the first option from this sub-menu provides information on articles in several different forms. The specific selection criterion is chosen by indicating a choice from the following menu.
SELECTION CRITERION FOR REVIEWING ARTICLES

A. A specific submission number.
B. A specific area.
C. A particular acceptance status.
D. A subject category number.
E. All entries in the database.

RETURN - Exit this menu

State your preference:

All options on this menu provide the same information for the specified selection criteria. To illustrate, suppose that option "A" is selected. The output is summarized as shown below.

NUMB: 8 SUB: 06/11/86 Solving 0-1 Integer Programming
AREA: ORP A/R: // Problems Arising from Large Scale
STAT: H PUB: // Planning Models
AUTHOR: Johnson (3) CAT: 181 625

Hit any key to continue...Q to abort...

As can be readily seen, this is the same information that was input but formatted more compactly for more efficient printing or reviewing. Had the user selected options "B", "C", "D" or "E" the same type of information would be displayed except that, possibly, multiple records would be provided. If the screen was selected as the output device, four articles to a screen will be displayed followed by a request to hit a key to continue or "Q" to quit. This is done to prevent the information from scrolling off the screen before the user can review it. The "Q" option
provides the user a means to abort review without waiting for all entries to be displayed. If the printer is the selected output device, all articles that meet the selection criteria are printed.

2. Authors

Selection of option 2 will display information on the authors based upon the choice selected from the option menu below.

**AUTHOR SELECTION MENU**

A. All authors sorted by last name.
L. All authors for a given last name.
N. All authors for a given submission number.

RETURN - to exit.

If "N" for submission number is selected, the user must input the submission number desired. Below is the information for submission number 8 entered.

Johnson, Ellis L. Sub#: 8
IBM Thomas J. Watson Research Center
Yorktown Heights, New York 99999 555-555-5555

This type of review may be used to find an author's telephone number, address or affiliation. Information will be displayed for every author having the selected submission number. Selection of the "A" option will display all the authors in the database alphabetically sorted by last name. Option "L" will prompt the user for a last name. All
authors in the database having the given last name will be displayed. Provisions are available to allow the user to abort the screen display of records at any time.

3. **Area Editors/SIG Chairmen**

Options 3 and 4, area editors and SIG chairmen provide the same type of information. The difference is only that one option is for the administrative information on the area editors and the other is information on the chairman of the special interest group associated with that area. Though not illustrated here, the information presented is in the same format as for the review of authors.

4. **Mailing Labels**

This option enables the user to review on screen or print mailing labels for the area editors or the SIG chairmen. The format is designed for printing on standard one wide 3 1/2 by 15/16 inch labels. This size label will accommodate five lines of text with a maximum of 35 characters per line. The example below illustrates the output of this option.

```
******************************************************************************
******************************************************************************
******************************************************************************
******************************************************************************
******************************************************************************

Do you want more samples?  (Y/N) No

David E. Bell
Harvard Business School
Soldiers Field Road
Boston, MA  02163

35
```
The sample of asterisks enables the user to properly align the label stock on the printer prior to printing the actual information. One may request as many samples as necessary to properly align the printer forms.

5. **Subject Categories**

Option 6 will display either individual subject category numbers with the full title or list all numbers and titles to the screen or printer. Individual display is selected by subject category number. This listing is probably most useful as a quick reference to an individual category title.

G. **CHECK AGE OF PUBLICATIONS**

This module allows the user to determine how long submitted articles have been out for review or how long it has been since an article was returned for modification. The records can be reviewed for ages in four different intervals of time:

A. More than 3 months but less than 6 months.
B. More that 6 months and less than 9 months.
C. Over 9 months but less than one year.
D. Greater than one year.

The information displayed with each of these options is exactly the same except for the time elapsed since submission or return for modification. These times given in
days will fall within the range of the selected option. The records will be displayed one at a time but the program will search the entire database and display in turn all of the records that meet the selected age. Following is an illustration of what the record would look like.

Submission number is:  4  
Review area is:  DABN  
This is a test of the age checking program.

This document was submitted on 03/07/86.  
Days elapsed since submission:  96  
The first of 1 author(s) is:  Williams

Press any key to continue.......  

One further set of options is available for the age check. The check can be conducted for the entire database or for a specified area of review. The area selection menu looks like this.

STATISTICS GENERATED FOR AREA:

A.  Decision Analysis  
B.  Defense & Intl Sec.  
C.  Distribution/Networks  
D.  Health Care  
E.  Computer Science  
F.  Natural Resource Mgmt  
G.  Optimization  
H.  OR Practice  
I.  Production/Scheduling/Inventory/Matls Mgmt  
J.  Simulation/Evaluation of Stochastic Models  
K.  Social Sciences and Public Sector  
L.  Stoch. Proc & Applicns  
M.  Aggregate (ALL)  
RETURN - to exit
H. REPORT STATISTICS

This segment of the system reports statistics on two different areas. Each of the two options allows the user to select, as in the age-check module, a specific subject area or the entire database.

The first option will provide descriptive statistics from the publications database. These statistics include the count of the number of articles by acceptance code and percentage of the total. Sample output generated with this option is presented below.

<table>
<thead>
<tr>
<th>Statistics for Publications in ALL PUBLICATIONS STATISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>HOLDING</td>
</tr>
<tr>
<td>ACCEPTED</td>
</tr>
<tr>
<td>REJECTED</td>
</tr>
<tr>
<td>PUBLISHED</td>
</tr>
<tr>
<td>MODIFICATION</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
</tbody>
</table>

The second option will provide in days the mean and standard deviation of the time required to accept, reject, or publish articles. The overall acceptance rate is also provided. Sample output is given below.
SUMMARY IN DAYS for ALL

<table>
<thead>
<tr>
<th>Event</th>
<th>Mean</th>
<th>StdDev</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission to acceptance</td>
<td>365.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Submission to rejection</td>
<td>345.0</td>
<td>290.6</td>
</tr>
<tr>
<td>Submission to accept/reject</td>
<td>355.0</td>
<td>184.1</td>
</tr>
<tr>
<td>Submission to publication</td>
<td>****.</td>
<td>****.</td>
</tr>
<tr>
<td>Acceptance to publication</td>
<td>****.</td>
<td>****.</td>
</tr>
<tr>
<td>Modification time</td>
<td>100.0</td>
<td>20.0</td>
</tr>
</tbody>
</table>

QUANTITY PERCENTAGE

<table>
<thead>
<tr>
<th>Status</th>
<th>Quantity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted</td>
<td>3</td>
<td>50.00</td>
</tr>
<tr>
<td>Rejected</td>
<td>3</td>
<td>50.00</td>
</tr>
<tr>
<td>Published</td>
<td>0</td>
<td>0.00 50.0%</td>
</tr>
</tbody>
</table>

If there are no articles for a specific acceptance code, the fields in the summary statistics will be filled with asterisks. For the quantity and percentage columns the absence of articles meeting a specific acceptance code is reflected by zeros.

I. DELETE/ARCHIVE RECORDS

Three options are available in this module for deleting and archiving records no longer needed in the active databases. The first option will allow the user to delete an article and all relevant authors by inserting an article's submission number. The article is displayed for the user's approval before it is deleted. The user is asked to confirm the deletion of the record.
Option two allows the user to archive an article before deleting it. Selection is again based on submission number. As before, the user is required to verify the record that will be archived and deleted.

The third option is designed to archive and delete all articles that have an acceptance code "P" (published). This option will probably be run at infrequent intervals to simply reduce the size of the active databases. A warning is issued prior to execution of this program that no published articles will remain in the database. A potential impact of running this option is that any statistics generated after this option will not reflect anything about articles that were published.

Upon termination of any of these three options, a message will be displayed alerting the user that files are being packed and that the process will take some time. This will occur even though the user may have decided to abort deleting or archiving. This will cause no problems since packing a file removes only the records that have been marked for deletion. If no records were requested for deletion then packing will not cause any removals.

J. EXIT TO DOS / EXIT TO DBASE

The last two selections on the main menu--X and RETURN--are the termination of execution of this management information system. Exiting to DOS (X) takes the user out
of the management information system and out of dBaseIII, while exiting to dBase--by hitting RETURN--leaves the environment of the management information system and places the user at the dot prompt in dBase.

K. USE OF DBASE DOT PROMPT

For those managers familiar with the dBaseIII software, it is advised that the database files provided on the disk not be modified from the dot prompt. Programs in the management information system check what items are being edited or added. Some of these operations are critical to the reporting of correct and valid statistics. Average times for the various review and processing stages will not be accurately reflected if acceptance status codes are modified outside of the menu environment. Time that an article is returned for modification will not be captured if the acceptance status code of "M" is changed from the dot prompt. One exception to this would be to delete erroneous entries that must re-enter immediately. Should this be necessary, the "BROWSE" command can be used from the dot prompt. The operator must assure that the correct database and indices are present prior to issuing the browse command. For the publications database the command to enter prior to browse is "use TPUB index TPUBSBN, TPUBARSB, TPUBACC". The corresponding command for the authors database is "use TAUTH index TAUTHSBN, TATNAME". 

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The preferred method or correcting an error is to delete that entire submission number and re-enter the information.
IV. CONCLUSIONS

This project began by investigating the feasibility of developing a stand alone management information system that would assist the mid-level manager in planning, monitoring and controlling workload along with evaluating the operational performance within available resources. Literature research of database development and available commercial software for micro-computers indicated that such a small scale management information system was feasible.

The dBaseIII software package by Ashton-Tate was selected as being appropriate for the development of this system. The necessary databases and programs were developed around the Operations Research Society of America's three tiered review process for accepting and publishing articles in their bimonthly journal. The total system that was developed can be stored on one floppy disk having a total storage capacity of 360 kilobytes. A similar system could most likely be developed using other commercially available software. However, the storage and hardware requirements of other software were not ascertained. This would require designing the entire system with whatever other software appeared to be appropriate.
The dBaseIII software will operate on most micro-computers using the Microsoft Disk Operating System (MS-DOS). This type of computer is currently in DoD inventory and there are no reasons to believe that this hardware will become outdated in the foreseeable future.

Since micro-computers are stand alone units, almost any DoD element could tailor this type of management information system to their particular operation. The dBaseIII software provides great flexibility for any future needed modifications to the system programs. The modular design of the system would not necessitate complete revision of all the programs currently implemented. It is quite likely that required modifications would affect only parts of some programs.

Although the system development was based upon the ORSA scenario, a similar management information system could be developed for any operation that has time critical functions to perform, monitor and evaluate. This type of system is especially suited to control workload and program execution when responsibility for accomplishing sub-tasks of any project lie outside the immediate authority of the responsible manager.
APPENDIX B SYSTEM PROGRAMS & FILES

* I6EMNU.PRG
* This program allows the user to select either age check on
* the articles that are still in review or articles that
* have been returned for modification.

do while .T.

clear
store ' ' to MCHOICE
@ 5,5 say '1. Check the age of articles still in the review process.'
@ 7,5 say '2. Check the age of articles that have been returned for modification.'
@ 9,5 say 'RETURN - to exit this menu.'
@ 12,5 say 'Enter your selection: ' get MCHOICE picture 'W'
read
if .not. MCHOICE $ '12'
    loop
endif

if MCHOICE = ''
    exit
endif

do case
    case MCHOICE = '1'
    do TOLDAHE
    case MCHOICE = '2'
    do TRODAGE
endcase MCHOICE

MCHOICE = ''
endo MCHOICE
return
This program calculates the average time from: submission to acceptance, submission to publication, acceptance to publication, submission to rejection, and submission to acceptance or rejection. The count and percentage of the total for accepted, rejected and published articles are also provided.

```
set talk off
clear all
use TPUB index TPUBARS8
store ' ' to MCHOICE
do while upper(MCHOICE) $ ' ABCDEFGHJKL'
   store ' ' to MCHOICE, MDEVICE
   store 0 to MSUBACC, MACCPUB, MSUBPUB, MSUBREJ
   store 0 to MCOUNTACC, MCOUNTREJ, MCOUNTPUB, MCOUNTMOD, MCOUNTTOT
   store 0 to MPROPACC, MPROPREJ, MPROP PUB, MPROP TOT, MADD TIME
   store 0 to MSUBACCsq, MACCPUBsq, MSUBPUBsq, MSUBREJsq, MSUBACRJsq
   store 0 to MADD Time sq, MSUBACRJdev
   store 0 to MSUBACCDEV, MSUBREJDEV, MSUBPUBDEV, MACCPUBDEV
   go top
   clear
   set format to listarea
   read
   close format
   if MCHOICE = ' '
      exit
   endif MCHOICE
   if .not. upper(MCHOICE) $ ' ABCDEFGHJKL'
      clear
      set color to +w,+w
      @ 15,21 say 'Invalid selection.....................'
      @ 16,26 say 'Press any key to try again.'
      set color to +w,+w
      wait ''
      loop
   endif MCHOICE .not. ABCDEFGHJKLorA
   clear
   @ 2,16 say 'Do you want output to the (S)creen + ;
   "or (P) inter? ' get MDEVICE picture 'a'
   read
   clear
   @ 2,15 say 'Processing the data file. Please be patient...'
   if upper(MDEVICE) = 'P'

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```
set device to print
endif MDEVICE = 'P'

if upper(MCHOICE) = 'A'
  store 'DARN' to MARLA
endif MCHOICE = DARN

if upper(MCHOICE) = 'B'
  store 'DIS' to MARLA
endif MCHOICE = DIS

if upper(MCHOICE) = 'C'
  store 'DNFP' to MARLA
endif MCHOICE = DNFP

if upper(MCHOICE) = 'D'
  store 'HCSSI' to MARLA
endif MCHOICE = HCSSI

if upper(MCHOICE) = 'E'
  store 'ICS' to MARLA
endif MCHOICE = ICS

if upper(MCHOICE) = 'F'
  store 'NAMEE' to MARLA
endif MCHOICE = NAMEE

if upper(MCHOICE) = 'G'
  store 'OPT' to MARLA
endif MCHOICE = OPT

if upper(MCHOICE) = 'H'
  store 'ORP' to MARLA
endif MCHOICE = ORP

if upper(MCHOICE) = 'I'
  store 'PSIMN' to MARLA
endif MCHOICE = PSIMN

if upper(MCHOICE) = 'J'
  store 'SIEM' to MARLA
endif MCHOICE = SIEM

if upper(MCHOICE) = 'K'
  store 'SSPS' to MARLA
endif MCHOICE = SSPS
if upper(MCHOICE) = 'L'
    store 'SPIA' to MAREA
endif MCHOICE = SPIA

if upper(MCHOICE) = 'M'
    store 'ALL' to MAREA
endif MCHOICE = ALL

if upper(MAREA) = 'ALL'
    set filter to
else
    set filter to AREA = MAREA
endif MAREA = 'ALL'

count for ACCCODE = 'A' to MCOUNTACC
count for ACCCODE = 'R' to MCOUNTREJ
count for ACCCODE = 'P' to MCOUNTPUB
count for MODTIME > # to MCOUNTMOD

go top

do while .not. eof()
    + Read records based upon acceptance code and store 
    + time to calculate means and standard deviations
    store MODTIME + MODTIME to MODTIME
    store MODTIME + MODTIME ** 2 to MODTIME
    if ACCCODE = 'A'
        store MSUBACC + (ACRJDATE-SUBDATE-MODTIME) to MSUBACC
        store MSUBACC$ + (ACRJDATE-SUBDATE-MODTIME) ** 2 to MSUBACC$,
    endif ACCCODE = 'A'
    if ACCCODE = 'R'
        store MSUBREJ + (ACRJDATE-SUBDATE-MODTIME) to MSUBREJ
        store MSUBREJS$ + (ACRJDATE-SUBDATE-MODTIME) ** 2 to MSUBREJS$.
    endif ACCCODE = 'R'
    if ACCCODE = 'P'
        store MSUBPUB + (PUBDATE-SUBDATE-MODTIME) to MSUBPUB
        store MSUBPUB$ + (PUBDATE-SUBDATE-MODTIME) ** 2 to MSUBPUB$.
        store MACCPUB + (PUBDATE-ACRJDATE-MODTIME) to MACCPUB
        store MACCPUB$ + (PUBDATE-ACRJDATE-MODTIME) ** 2 to MACCPUB.$
    endif ACCCODE = 'P'

    skip
endo eof()
* Calculate average times for various processes.
store MSUBACC / MCOUNTACC to MAVESUBACC
store MSUBREJ / MCOUNTREJ to MAVEACCREJ
store MSUBPUB / MCOUNTPUB to MAVEACCPUB
store ASCPUB / MCOUNTPUB to MAVEACCPUB
store (MSUBACC + MSUBREJ) / (MCOUNTACC + MCOUNTREJ) to MAVEACCJ
store MCOUNTACC + MCOUNTREJ + MCOUNTTOT to MAVEDR
store MROADTIME / MCOUNTROD to MAVEDRROD
* Calculate percentages for each category.
store fCOUNTACC / ACOUNTACC to FPROPPACC
store RCOUNTREJ / MCDUNITOT to FPROPREJ
store MCOUNTPUB / RCOUNTTOT to FPROPPUB
store FPROPPACC + FPROPPUB to FACCRATE
store FPROFACC + FPROPREJ + FROPTOTI to FROPTOTI
store fSURACCSQ + fSUBREJSQ to fSURACCR
* Calculate standard deviations using the computational equation.
store sqrt((ACOUNTACC * MSUBACC * MSUBACCDEV
store sqrt(((MCOUNTREJ + MSUBREJSQ) - (MSUBREJ ** 2)) / ;
(MCOUNTREJ ** 2 - MCOUNTREJ)) to MSUBREJDEV
store sqrt(((MCOUNTPUB + MSUBPUBSQ) - (MSUBPUB ** 2)) / ;
(MCOUNTPUB ** 2 - MCOUNTPUB)) to MSUBPUBDEV
store sqrt(((MCOUNTPUB + MACCPUBSQ) - (MACCPUB ** 2)) / ;
(MCOUNTPUB ** 2 - MACCPUB)) to MACCPUBDEV
store sqrt(((MCOUNTACC + MCOUNTREJ + MSUBACRJSW) - (MSUBACC + ;
MSUBREJ ** 2)) / ((MCOUNTACC + MCOUNTREJ) ** 2 - ;
(MCOUNTACC + MCOUNTREJ))) to MSUBACRDEV
store sqrt(((MCOUNTROD + MODTIMESQ) - (MROADTIME ** 2)) / ;
(MCOUNTROD ** 2 - MCOUNTROD)) to MODTIMDEV
clear
@ 2,26 say "SUMMARY IN DAYS for"
@ 2,47 say ROAD
@ 4,48 say "Mean StdDev"
@ 5,16 say "Submission to acceptance"
@ 5,47 say MAVESUBACC picture '9999.9'
@ 5,58 say MSUBACCDDEV picture '99.9'
@ 6,16 say "Submission to rejection"
@ 6,47 say MAVESUBREJ picture '9999.9'
@ 6,58 say MSUBREJDEV picture '999.9'
@ 7,16 say "Submission to accept/reject"
@ 7,47 say MAVEACCREJ picture '9999.9'
@ 7,58 say MSUBACRDEV picture '999.9'
@ 8,16 say "Submission to publication"
@ 8,47 say MAVEACCPUB picture '9999.9'
@ 8,58 say MSUBPUBDEV picture '999.9'

53
if upper(ADEVICE) = 'P'
    clear
    eject
    set device to screen
    @ 22,15 say "Printing completed. Press any key to exit."
    wait ''
else
    @ 23,0 clear
    @ 24,12 say "Press any key to continue!"
    wait ''
endif ADEVICE = 'P'
enddo MCHOICE <> 'X'
close databases
return
This program will archive & delete records by submission number.

select 1
use TPUB index TPUBSBN, TPUBARSB, TPUBACC
select 2
use TAUTH index TAUTHSBN, TATNAME

dowhile .T.
clear
select TPUB
store ' ' to MARCSBN
@ 2.10 say 'Submission number to archive & delete (RETURN to quit): ' ;
get MARCSBN picture '99999'
read
if MARCSBN = ''
exit
endif MARCSBN = ''

seek val(MARCSBN)
if eof()
clear
set color to +w,+w
@ 15,20 say 'Submission number ' + trim(MARCSBN) + ' not in database. '
@ 16.20 say 'Press any key to continue.'
wait ''
set color to w,+w
go top
loop
endif eof()

set relation to SUBNUMB into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to

clear
@ 5,12 say "The submission number of this record is:" 
@ 5,54 say SUBNUM
@ 6,12 say "The status code is:" 
@ 6,32 say ACCCODE
@ 7,12 say "The article was assigned to area:" 
@ 7,46 say AREA
@ 8,12 say "It was submitted on:" 
@ 8,33 say SUBDATE
@ 9,12 say "The acceptance or rejection date was:" 
@ 9,50 say ACRDATE
@10,12 say "The article was published on:"
@10,42 say PUBLDATE
@11,12 say "The assigned subject category numbers are:"
@11,55 say CATNUMB1
@12,55 say CATNUMB2
@13,55 say CATNUMB3
@14,12 say "This article was in modification for (days):"
@14,57 say MODTIME
@15,12 say 'The first of ' + str(AUTHORS,1) + ' author(s) is:'
@15,55 say TFIRSTAUTH
@16,12 say "Title:"
@16,19 say TITLE
@18,0 set color to w,w
accept 'Is this the record you want to archive/delete (Y/N)? ' to MDELETE
set color to w,w
if upper(MDELETE) = 'Y'
close databases
use TPUBHST index TPHSTSBM, TPHANSB
append from TPUB for SUBNUMB = val(MARCSBN)
use TPUB index TPUBSBM, TPUBARS8, TPUBACC
delete for SUBNUMB = val(MARCSBN)
use TAUTHHST index TAUTHSBN, THATNARE
append from TAUTH for SUBNUMB = val(MARCSBN)
use TAUTH index TAUTHSBN, TATNARE
delete all for SUBNUMB = val(MARCSBN)
close databases
select 1
use TPUB index TPUBSBM, TPUBARS8, TPUBACC
select 2
use TAUTH index TAUTHSBN, TATNARE
else
loop
endif MDELETE = 'Y'
enddo
close databases
clear
@2,12 say 'Packing files.....May take a while.....DO NOT INTERRUPT'
use TPUB index TPUBSBM, TPUBARS8, TPUBACC
pack
use TAUTH index TAUTHSBN, TATNARE
pack
clear all
return
TARCODELP.PRG

# This program will archive & delete all records that have been published.
# That is -- acceptance code (ACCCODE) = 'P'.
set deleted on

clear
use TPUB index TPUBACC, TPUBSNB, TPUBARSB
store ' ' to ROKAY
@ 2,10 say 'All records that have an acceptance code of published (P)'
@ 3,10 say 'will be archived and deleted from the main data base.'
set color to +w,+w
@ 5,10 say 'Do you really want to do this (Y/N)?' get ROKAY picture 'a'
read
set color to w,+w
if upper(ROKAY) <> 'Y'
    return
endif ROKAY .not. 'Y'
clear
set color to +w,+w
@ 2,20 say 'Please be patient..................'
@ 3,20 say 'This may take a while..................'
set color to w,+w
if upper(ROKAY) = 'Y'
    use TPUB index TPUBACC, TPUBSNB, TPUBARSB
    do while .not. eof()
        locate for ACCCODE = 'P'
        store $UBNUM to $UBNUMB
        if $UBNUMB = 0
            exit;
    endif $UBNUMB = 0
    close databases
    use TPUBST index TPUBSTSNB, TPUBARSB
    append from TPUB for SUBNUM = $UBNUMB
    use TPUB index TPUBSNB, TPUBARSB, TPUBACC
    delete for SUBNUM = $UBNUMB
    use TAUTHST index TAUTHSTSNB, THATNAME
    append from TAUTH for SUBNUM = $UBNUMB
    use TAUTH index TAUTHSNB, THATNAME
    delete all for SUBNUM = $UBNUMB
    use TPUB index TPUBACC, TPUBSNB, TPUBARSB
endo .not. eof()
endif ROKAY = 'Y'
pack
use TAUTH index TAUTHSNB, THATNAME
pack
clear all
set deleted off
return
# 'DELETE.PRG
# This module while delete single records in the publication data
# base and all records in the author data base for a given submission
# number (SUBNUMB)

clear
@ 3,19 say "If you are not certain about the submission"
@ 4,19 say "number, you may want to exit this program and"
@ 5,19 say "select option 3 (review) of the main menu to"
@ 6,19 say "verify the numbers of the records that you"
@ 7,19 say "want to delete from the data base."
select 1
use TPUB index TPUBSBN, TPUBARSB, TPUBACC
select 2
use TAUTH index TAUTHSBN, TATNAME

do while .T.
clear
select TPUB
store ' ' to ADELSBN
@ 2,10 say 'Enter submission number to delete (RETURN to quit): ';
get ADELSBN picture '99999'
read
if ADELSBN = ' '
exit
endif
set relation to $SUBNUMB into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to $SUBNUMB into TAUTH
store recno() to ADELSBN
loop
endif
set relation to SUBNUMB into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to
store recno() to ADELSBN
clear
@ 5,12 say "The submission number of this record is:"
@ 5.54 say SUBNUM
@ 6.12 say "The status code is:
@ 6.32 say ACCCODE
@ 7.12 say "The article was assigned to area:
@ 7.44 say AREA
@ 8.12 say "It was submitted on:
@ 8.73 say SUBDATE
@ 9.12 say "The acceptance or rejection date was:
@ 9.50 say ACJDATE
@ 10.12 say "The article was published on:
@ 10.42 say PUBDATE
@ 11.12 say "The assigned subject category numbers are:
@ 11.55 say CATNUMB1
@ 12.55 say CATNUMB2
@ 13.55 say CATNUMB3
@ 14.12 say "This article was in modification for (days):
@ 14.57 say MODTIME
@ 15.12 say 'The first of '+str(AUTHORS,1)+' author(s) is:
@ 15.55 say TFIRSTAUTH
@ 16.12 say "Title:
@ 16.19 say TITLE
@ 16.0
set color to +w,+#
accept 'Is this the record you want to delete (Y/N)?' to MDELETE
set color to w,+w
if upper(MDELETE) = 'Y'
    go top
    go ADELREC
    delete
    select TAUTH
    delete all for SUBNUM = val(MDELSBN)
endif MDELETE = 'Y'
enddo MOREDELETE = .1.

clear
@ 2.12 say 'Packing files.....May take a while.....DO NOT INTERRUPT'
select TPUB
pack
select TAUTH
pack
clear all
return
* TOELNU.PRG

* Menu to control deletions and archiving records to the historical files

store '' to MOELCHOICE

clear

do while MOELCHOICE < '4'

clear

@ 8,29 say "1. Delete for a specific"
@ 9,33 say "submission number."
@ 11,29 say "2. Archive & delete for a"
@ 12,33 say "submission number."
@ 14,29 say "3. Archive & delete all records"
@ 15,33 say "that have been published."
@ 16,33 say "Acceptance code = P."
@ 18,29 say "RETURN - to exit this menu."
@ 20,33 say "Enter selection:" 
@ 20,51 get MOELCHOICE picture '8'

read

if MOELCHOICE = ''
    exit
endif MOELCHOICE

do case
    case MOELCHOICE = '1'
        do TODELETE
    case MOELCHOICE = '2'
        do TARDEL
    case MOELCHOICE = '3'
        do TARDELPG
endcase MOELCHOICE

MOELCHOICE = ''
endo
clear all
return
This program uses the 
COMAND TO edit existing records.

select I. set talk
off

select I use TPUBSON, TPUBAM
store.

set relation to submit into SUBM
store with "LIST" into SUBM.

if (ACCOUT = 'N')
    store relation to submit into SUBM
    store with "LIST" into SUBM.
    set color to "01"
    get "SUBM"
    press any key to enter a new number.
else
    clear all
endif

6,2 say "Enter submission number to edit (return to quit)"
read

if (R2M) = "N"
    clear all
    set color to "01"
    clear
    endif

set relation to submit into SUBM
store into I.T.L.F.
set relation to edit

set relation to submit into SUBM
store into I.T.L.
set relation to edit

if (ACCOUT = 'N')
    set relation to submit into SUBM
    store with "LIST" into SUBM.
    set color to "01"
    get "SUBM"
    press any key to enter a new number.
else
    clear all
endif

8,1 say "Enter submission number to edit (return to quit)"
read

if (R2M) = "N"
    clear all
    set color to "01"
    clear
    endif

set relation to submit into SUBM
store into I.T.L.F.
set relation to edit

set relation to submit into SUBM
store into I.T.L.
set relation to edit

set color to "01"
set color to "01"
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set color to "01"
set color to "01"
set format to PUBEDIT
change fields TITLE, SUBNUMB, AUTHORS, SUBDATE, CATHUMB1, CATHUMB2, CATHUMB3, AREA, ACCCODE, ACJRDATE, PUBLDATE for SUBNUMB = val(MSUBNUMB)

close format
seek val(MSUBNUMB)
store ACCCODE to MACCCODE

if MACCCODE = "A" .and. MACCCODE 0 'A'
    store (date()-ACJRDATE) to MODDIT
    store MODDIT + MODDIT to MODDIT
    replace MODDIT with MODDIT for SUBNUMB = val(MSUBNUMB)
    store " " to MACCCODE, MACCCODE
    store 0 to MODDIT
    release MODDIT
endif if MACCCODE = "A" .and. MACCCODE 0 'A'

store " " to MACCCODE, MACCCODE
release MODDIT
select TAUTH
set format to AUTHEDIT
change fields SUBNUMB, LASTNAME, FIRSTNAME, AFFILIATE, ADDRESS1, ADDRESS2, CITY, STATE, ZIP, PHONE for SUBNUMB = val(MSUBNUMB)
close format

enddo AUTHEDIT

clear all
return
do while .T.
    # Menu will be redisplayed unless 3 is chosen
    clear
    MCHOICE = ''
    @ 5.18 say '1. Edit the publications database.'
    @ 7.18 say '2. Edit area editors and SIG chairmen files.'
    @ 9.15 say 'RETURN - exit this menu.'
    @ 11.18 say 'Enter choice.' get MCHOICE
    read
    do case
        case MCHOISE = '1'
            do TEDIT
        case MCHOISE = '2'
            do TEDITSIG
        case MCHOISE = ''
            exit
    endcase
    enddo

*TEDSIG.PRG

This program allows editing of the area editor and SIG chairman
information based upon selected area.

use TAREA index TAREA2

clear
do while .T.
clear
store ' ' to MAREA
store ' ' to MEDSIG
@ 9,10 say 'Which area would you like to edit (RETURN to quit) ? ;
get MAREA picture '!!!!!'
@ 11,10 say 'DAWN DIS DMFP HCSSI ICS MAMEE'
@ 12,10 say 'OPT ORP PSIM SIESA SSFS SPTA'
read

if MAREA = ''
    exit
endif

@ 14,20 say 'Do you want to edit information for the'
@ 15,20 say 'area editor (E) or SIG chairman (S) ? ' get MEDSIG picture 'A'
read

if .not. upper(MAREA) $ 'DAWN /DIS /DMFP /HCSSI /ICS /MAMEE' ;
    'OPT /ORP /PSIM /SIESA /SSFS /SPTA' ;
    clear
    set color to +w,+w
    @ 10,20 say 'Invalid area selection + ' + MAREA + ' '
    @ 11,20 say 'Press any key to try again.'
    set color to w,+w
    wait''
    loop
endif

if .not. upper(MEDSIG) $ 'ES'
clear
@ 15,20 say 'Invalid choice + ' + MEDSIG + ;
    '# for information to edit.'
@ 16,20 say 'Press any key to retry.'
    wait''
    loop
endif

if upper(MEDSIG) = 'E'
clear
    set format to TEDITOR
change fields AREA, TITLE, LASTNAME, FIRSTNAME, AFFILIATE, ADDRESS1, ADDRESS2, CITY, STATE, ZIP, PHONE for AREA = MAREA

endif

if upper(MEDSIG) = 'S'
clear
set format to TSIG
change fields AREA, SICHAIR, SAFFILIATE, SADDRESS1, SADDRESS2, SCITY, SSTATE, SZIP, SPHONE for AREA = MAREA
endif

endo

clear all
return
This program will test for articles that have been in review between 99 days & 180 days; 180 days & 270 days; 270 days & 365 days; & 365 days plus. Each record that meets the selected criteria will be displayed on the screen.

set talk off
store "" to MAGECHECK, MCHOICE, MAREA
clear
select 1
use TPUB index TPUBARS
select 2
use TAUTH index TAUTHSR

do while .T.
  select TPUB
    go top
    clear
    @ 3.25 say "This module checks the age of"
    @ 4.25 say "submissions still in review"
    @ 6.25 say "A. Articles in review from"
    @ 7.25 say "3 to 6 months."
    @ 9.25 say "B. Articles in review from"
    @ 10.29 say "6 to 9 months."
    @ 12.25 say "C. Articles in review from"
    @ 13.29 say "9 months to 1 year."
    @ 15.25 say "D. Articles in review for"
    @ 16.29 say "more than 1 year."
    @ 18.25 say "RETURN - to exit this menu."
    @ 20.29 say 'Enter your choice: ' get MAGECHECK picture 'a'
    read
    if MAGECHECK = ''
      exit
    endif MAGECHECK
  clear
  do while upper(MCHOICE) $ 'ABCDEFGHIJKLMNOPQRSTUVWXYZ'
    go top
    clear
    set format to LISTAREA
    read
    close format
    if MCHOICE = ''
      exit
  endif MAGECHECK
  clear
  close format
endif MCHOICE

if .not. upper(MCHOICE) $ 'ABDEFGHIJLKL\'A'
    clear
    set color to w,+w
    @ 15,21 say 'Invalid selection....................'
    @ 16,26 say 'Press any key to try again.'
    set color to w,+w
    wait''
    MCHOICE = ''
    loop
endif MCHOICE .not. 'ABDEFGHIJLKLor A'

clear

if upper(MCHOICE) = 'A'
    store 'DABN' to MAREA
    endif MCHOICE = DABN

if upper(MCHOICE) = 'B'
    store 'DIS' to MAREA
    endif MCHOICE = DIS

if upper(MCHOICE) = 'C'
    store 'DNP' to MAREA
    endif MCHOICE = DNP

if upper(MCHOICE) = 'D'
    store 'HSSI' to MAREA
    endif MCHOICE = HSSI

if upper(MCHOICE) = 'E'
    store 'ICS' to MAREA
    endif MCHOICE = ICS

if upper(MCHOICE) = 'F'
    store 'NRARE' to MAREA
    endif MCHOICE = NRARE

if upper(MCHOICE) = 'G'
    store 'OPT' to MAREA
    endif MCHOICE = OPT

if upper(MCHOICE) = 'H'
    store 'WEP' to MAREA
    endif MCHOICE = WEP
if upper(MCHOICE) = 'J'
    store "PSIMA" to MAREA
endif MCHOICE = PSIMA

if upper(MCHOICE) = 'J'
    store "SIESA" to MAREA
endif MCHOICE = SIESA

if upper(MCHOICE) = 'K'
    store "SPS" to MAREA
endif MCHOICE = SPS

if upper(MCHOICE) = 'L'
    store "SPTA" to MAREA
endif MCHOICE = SPTA

if upper(MCHOICE) = 'M'
    store "ALL" to MAREA
endif MCHOICE = ALL

if upper(MAREA) = 'ALL'
    set relation to
else
    set relation to AREA = MAREA
endif MAREA = 'ALL'
clear
@ 4,16 say 'Processing records. Please DO NOT INTERRUPT !'
do while .not. eof()
if ACCCODE = 'H'
    store (date()+SUBDATE) to MAGEHOH

if upper(MAGECHECK) = 'A'
    if MAGEHOH >= 90 .and. MAGEHOH < 100
        set relation to subnum into TAUTH
        store TAUTH -> LASTNAME to TFIRSTNAME
        set relation to
        clear
        @ 5,10 say 'Submission number is:'
        @ 5,33 say SUBNUM picture '99'
        @ 6,10 say 'Review area is: 'ftrims(AREA)
        @ 7,10 say TITLE

    endif
endif
@ 9,10 say 'This document was submitted on ' + dtoc(SUBDATE)+'.
@ 10,10 say 'Days elapsed since submission: ' 
@ 10,42 say NAGEHOLD picture '00'
@ 11,10 say 'The first of ' + str(AUTHORS,1) + ' author(s) is: ' 
@ 11,39 say TFIRSTAUTH 
@ 14,0
wait ' Press any key to continue........'
endif NAGEHOLD 90 to 180
endif NAGECHECK = 'A'

if upper(NAGECHECK) = 'B'

if NAGEHOLD >= 180 and NAGEHOLD < 270

set relation to SUBNUMB into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to
clear
@ 5,10 say 'Submission number is: '
@ 5,33 say SUBNUMB picture '00'
@ 6,10 say 'Review area is: ' + trim(AREA)
@ 7,10 say TITLE 
@ 9,10 say 'This document was submitted on ' + dtoc(SUBDATE)+'.
@ 10,10 say 'Days elapsed since submission: ' 
@ 10,42 say NAGEHOLD picture '00'
@ 11,10 say 'The first of ' + str(AUTHORS,1) + ' author(s) is: ' 
@ 11,39 say TFIRSTAUTH 
@ 14,0
wait ' Press any key to continue........'
endif NAGEHOLD 180 to 270
endif NAGECHECK = 'B'

if upper(NAGECHECK) = 'C'

if NAGEHOLD >= 270 and NAGEHOLD < 345

set relation to subnumb into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to
clear
@ 5,10 say 'Submission number is: '
@ 5,33 say SUBNUMB picture '00'
@ 6,10 say 'Review area is: ' + trim(AREA)
@ 7,10 say TITLE 
@ 9,10 say 'This document was submitted on ' + dtoc(SUBDATE)+'.
@ 10,10 say 'Days elapsed since submission: '

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@ 10,42 say MAGEHOLD picture 'Ob'
@ 11,10 say 'The first of ' + str(AUTHORS,1) + ' author(s) is:'
@ 11,39 say TFIRSTAUTH
@ 14,0
  wait ' Press any key to continue........'
endif MAGEHOLD 270 to 365
endif MAGECHECK = 'C'

if upper(MAGECHECK) = 'D'
  if MAGEHOLD > 365
    set relation to subnumb into TAUTH
    store TAUTH -> LASTNAME to TFIRSTAUTH
    set relation to clear
    @ 5,10 say 'Submission number is:'
    @ 5,33 say SUBNUMB picture 'Ob'
    @ 6,10 say 'Review area is: ' + trimAREA
    @ 7,10 say TITLE
    @ 9,10 say 'This document was submitted on ' + dtoc(SUBDATE)+'.'
    @ 10,10 say 'Days elapsed since submission:'
    @ 10,42 say MAGEHOLD picture 'Ob'
    @ 11,10 say 'The first of ' + str(AUTHORS,1) + ' author(s) is:'
    @ 11,39 say TFIRSTAUTH
    @ 14,0
    wait ' Press any key to continue........'
endif MAGEHOLD 365+
endif MAGECHECK = 'D'
else
  skip
loop
endif ACCCODE = 'H'
skip

if eof()
  @ 29,26 say 'PROCESSING COMPLETED.'
  @ 21,14 say 'If none displayed, none within specified age.'
  @ 22,24 say 'Hit any key to continue'
  wait ''
endif
enddo eof()
store '' to \M\CHOICE
release \AREA
enddo \M\CHOICE ◯ 'X'
store '' to \M\AGECHECK, \M\CHOICE
release \AREA
enddo

close databases
return
# TINPUT.PRG

#Add new articles & authors
set talk off
set delimiters on
set intensity off
clear
select 1
use TPUB index TPUBSN, TPUBACC, TPUBARSB
select 2
use TAUTH index TAUTHSN, TAUTHNAME

do while .T.

store space(100) to ATITLE
clear
select TPUB

@ 2,10 say 'Enter article title for new entry (100 max)' + ;
'RETURN to quit:'
@ 3,10 get ATITLE
read

if len(trim(ATITLE)) = 0
   exit
else
   go bottom
   store SUBNUMB + 1 to MSUBNUMB
   append blank
   replace TITLE with ATITLE
   replace SUBNUMB with MSUBNUMB
   replace ACCCODE with 'H'
   replace SUBDATE with date0)
endif

set format to PUBINPUT
read
close format
store AUTHORS to iAUTHORS
select TAUTH
store 1 to iAUTHCOUNT

do while iAUTHCOUNT <= iAUTHORS
   set format to AUTHINPUT
   clear
   go bottom
   append blank
replace SUBMNUM with MSUBMNUM
read
close format
store AUTHCOUNT + 1 to AUTHCOUNT
endo AUTHCOUNT
endo
set intensity on
set delimiters off
clear all
return
# TMENU.PRG
# This is the main menu for the ORSA publications system.
set talk off
clear
store ' ' to MDATECHECK
@ 2,24 say 'Today is ' + cdow(date()) + ', ' + camonth(date()) + ' ' +
       str(day(date()),2) + ', ' + str(year(date()),4) + '. '
@ 4,20 say 'If this is not the correct date enter N then'
@ 5,20 say 'reboot your system with the current date.'
@ 7,20 say 'If the date is correct then hit Y to continue.'
@ 9,20 say 'Enter N or Y: ' get MDATECHECK
read

if upper(MDATECHECK) = "N"
    quit
endif MDATECHECK

store " " to choice

do while upper(CHOICE) ! ' 123456'
    #00 WHILE loop will redisplay menu unless X or RETURN.
    clear
    @ 5,20 say "Publications Data Base System"
    @ 7,20 say "Make your selection from the following list:
    @ 9,20 say "1. Add new entries"
    @ 10,20 say "2. Edit existing records"
    @ 11,20 say "3. Review/Print entries"
    @ 12,20 say "4. Check age of publications"
    @ 13,20 say "5. Report statistics"
    @ 14,20 say "6. Delete/archive records"
    @ 15,20 say "X. Exit to DDBASE"
    @ 17,17 say "RETURN Exit to DDBASE"
    @ 19,20 say "Enter selection: " get CHOICE
    read

do case
    case CHOICE = '1'
        do INPUT
    case CHOICE = '2'
        do TEDIT
    case CHOICE = '3'
        do TRAP
    case CHOICE = '4'
        do TAGE
    case CHOICE = '5'
        do TSTAT
case CHOICE = '6'
    do TELEMAN
case CHOICE = ','
    exit
    case upper(CHOICE) = 'X'
        quit
    endcase CHOICE

    CHOICE = ''
enddo

clear all
This program will test for articles that have been returned for modifications and have aged between 90 days & 180 days; 180 days & 270 days; 271 days & 365 days; 365 days plus. Each record that meets the selected criteria will be displayed to the screen.

set talk off
store "" to NAEGCHECK, MCHOICE, MAREA
clear
select 1
use TPUB index TPUBARSB
select 2
use TAUTH index TAUTHSBN

do while .T.
go top
clear
@ 3,29 say "This module checks the age of"
@ 6,25 say "Submissions returned for modification"
@ 7,29 say "from 3 to 6 months."
@ 9,25 say "Articles in modification"
@ 10,29 say "from 6 to 9 months."
@ 12,25 say "Articles in modification"
@ 13,29 say "from 9 months to 1 year."
@ 15,25 say "Articles in modification"
@ 16,29 say "For more than 1 year."
@ 18,25 say "RETURN - to exit this menu."
@ 20,29 say 'Enter your choice:' get NAEGCHECK picture 'a'
read
if NAEGCHECK = ''
exit
endif NAEGCHECK

clear
do while upper(MCHOICE) $ 'ABCDEFHJKLM'
select TPUB
go top

set format to LISTAREA
read
close format

if MCHOICE = ''
exit

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endif NCHOICE

if .not. upper(NCHOICE) $ 'ABCDEFHJKL\'A'
    clear
    set color to w,+w
    @ 15,21 say 'Invalid selection........................'
    @ 16,26 say 'Press any key to try again.'
    set color to w,+w
    wait '
    NCHOICE = ''
    loop
endif NCHOICE .not. 'ABCDEFHJKLor\'A'

clear

if upper(NCHOICE) = 'A'
    store 'DAB' to M AREA
    endif NCHOICE = DAB

if upper(NCHOICE) = 'B'
    store 'DIS' to M AREA
    endif NCHOICE = DIS

if upper(NCHOICE) = 'C'
    store 'DNF' to M AREA
    endif NCHOICE = DNF

if upper(NCHOICE) = 'D'
    store 'CSS' to M AREA
    endif NCHOICE = CSS

if upper(NCHOICE) = 'E'
    store 'ICS' to M AREA
    endif NCHOICE = ICS

if upper(NCHOICE) = 'F'
    store 'OPT' to M AREA
    endif NCHOICE = OPT

if upper(NCHOICE) = 'G'
    store 'QST' to M AREA
    endif NCHOICE = QST

if upper(NCHOICE) = 'H'
    store 'W' to M AREA
    endif NCHOICE = W
if upper(MCHOICE) = 'I'
    store 'PSIM' to AREA
endif MCHOICE = PSIM

if upper(MCHOICE) = 'J'
    store 'SIESN' to AREA
endif MCHOICE = SIESN

if upper(MCHOICE) = 'K'
    store 'SSPS' to AREA
endif MCHOICE = SSPS

if upper(MCHOICE) = 'L'
    store 'SPTA' to AREA
endif MCHOICE = SPTA

if upper(MCHOICE) = 'M'
    store 'ALL' to AREA
endif MCHOICE = ALL

if upper(MAREA) = 'ALL'
    set filter to
else
    set filter to AREA = MAREA
endif MAREA = 'ALL'

clear
@ 4,16 say 'Processing records. Please DO NOT INTERRUPT !'

do while .not. eof()

if ACCCODE = 'A'
    store (date()-ACCRDATE) to PAGEHOLD

if upper(NAGECHECK) = 'A'
    if PAGEHOLD >= 99 .and. PAGEHOLD < 100
        set relation to SUBNUMB into TAUTH
        store TAUTH -> LASTNAME to TFIRSTAUTH
        set relation to clear
        @ 7,10 say TITLE
        @ 6,10 say 'Review area is: ' + trim(AREA)
        @ 5,10 say 'Submission number is: '
        @ 5,33 say SUBNUMB picture '00'


}78
This document was submitted on ' + dtoc(SUDPATE)+'.

Returned for modification on ' + dtoc(ACRJDATE)+'.

Days since returned for modification:

Days since returned for modification:

The first of ' + str(AUTHORS,1) + ' author(s) is:

The first of ' + str(AUTHORS,1) + ' author(s) is:

End if NAGEHOLD 90 to 180

End if NAGECHEF = 'A'

If upper(NAGECHEF) = 'B'

If NAGEHOLD >= 100 .and. NAGEHOLD < 270

set relation to SUBNUM into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to
clear
@ 7,10 say TITLE
@ 5.10 say 'Submission number is: '

Submit SUBNUM picture 'Sb'
@ 9,10 say 'This document was submitted on ' + dtoc(SUDPATE)+'.

Returned for modification on ' + dtoc(ACRJDATE)+'.

Days since returned for modification:

Days since returned for modification:

The first of ' + str(AUTHORS,1) + ' author(s) is:

The first of ' + str(AUTHORS,1) + ' author(s) is:

End if NAGEHOLD 180 to 270

End if NAGECHEF = 'B'

If upper(NAGECHEF) = 'C'

If NAGEHOLD >= 270 .and. NAGEHOLD < 345

set relation to SUBNUM into TAUTH
store TAUTH -> LASTNAME to TFIRSTAUTH
set relation to
clear
@ 7,10 say TITLE
@ 6.10 say 'Review area is: ' + trim(AREA)
@ 5.10 say 'Submission number is: '

Submit SUBNUM picture 'Sb'
@ 22,24 say 'Hit any key to continue!'
    wait ''
    endif

    enddo eof()

store '' to MCHOICE
release NAMEA

    enddo MCHOICE ◯ 'X'

store '' to NAMECHECK, MCHOICE
release NAMEA

endo

close databases
return
PPPRTAC.PRG

This program prints out an abbreviated format of selected records
based upon the acceptance code (e.g., H, A, R, P or M).

set talk off

if upper(MDATA) = 'H'
    select 2
    use TAUTHIST index TAUTHISBN
    select 1
    use TPUBHIST index TPUBHRSB
else
    select 2
    use TAUTH index TAUTHISBN
    select 1
    use TPUB index TPUBHRSB
endif MDATA = 'CorH'

store 1 to NPAGE
store 0 to MACCOUNT
store '' to MSTATUS

do while .T.
    store '' to MKEY
    store '' to MSTATUS
    clear
    @ 2.19 say 'Which acceptance status code would you like to'
    @ 3.19 say 'review (H,A,R,P or M) (RETURN to quit): '
    get MSTATUS picture 'a'
    read

if MSTATUS = ''
    exit
endif MSTATUS = RETURN

if .not. upper(MSTATUS) + ' HARP#'
    clear
    @ 15.27 say trim(upper(MSTATUS)) + ' not a valid status code.'
    @ 16.27 say 'Hit any key to try again.'
    wait
    store '' to MSTATUS
    loop
endif .not. 'HARP#'

set filter to ACCCODE = upper(MSTATUS)
go top
do while .not. eof()
  store space(35) to ATITLE1, ATITLE2, ATITLE3
  store substr(TITLE,1,35) to STRING1
  store substr(TITLE,36,35) to STRING2
  store substr(TITLE,71,35) to STRING3

  if len(STRING2) = 0
    store STRING1 to ATITLE1
  else
    J = at( ',', STRING2)
    STRING1 = STRING1 + substr(STRING2,1,J)
    STRING2 = substr(STRING2,J+1,35-J)
    store STRING1 to ATITLE1
  endif

  if len(STRING2) = 0
    store STRING1 to ATITLE1
  else
    if len(STRING3) = 0
      store STRING2 to ATITLE2
    else
      K = at( ',', STRING3)
      STRING2 = STRING2 + substr(STRING3,1,K)
      STRING3 = substr(STRING3,K+1,35-K)
    endif
    if len(STRING3) = 0
      store STRING2 to ATITLE2
    else
      store STRING2 to ATITLE2
      store STRING3 to ATITLE3
    endif
  endif
endif

if upper(MDATA) = 'H'
  set relation to SUBNUM into TAUTH
  store TAUTH -> LASTNAME to MLASTNAME
  set relation to
else
  set relation to SUBNUM into TAUTH
  store TAUTH -> LASTNAME to MLASTNAME
  set relation to
endif
endif

if upper(MOUTPUT) = 'P'
    set print on
    set margin to 5
    if MOUNT = 0
        str(Page,3)
    endif
endif

if upper(MOUTPUT) = 'R'
    set margin to 5
endif

if upper(MOUTPUT) = 'S'
    if MOUNT = 4
        wait 'Hit any key to continue...(Q) to abort...' to KEY
        ACCOUNT = 0
    endif
    if upper(KEY) = 'Q'
        exit
    endif
endif

skip
enddo
set print off

if eof()
  ?
  ?
  ?
  @ 21,0 clear
  @ 22,20 say 'End of file...Processing complete...'
  @ 23,10 say 'If no records displayed, status code not in database!'
  @ 24,25 say 'Press any key to continue.'
  wait ''
endif

if upper(OUTPUT) = 'S'
  ACCOUNT = #
endif

store '' to ASTATUS

enddo

set filter to
set print off
close databases
return
This program prints out an abbreviated format of all records in the database.

set talk off

if upper(MDATA) = 'N'
  select 2
  use TAUTHIST index TAUTHISH
  select 1
  use TPUBRIST index TPURSB
else
  select 2
  use TAUTH index TAUTHISH
  select 1
  use TPUB index TPURSB
endif MDATA = 'Cont'

store 1 to PAGE
store # to COUNT1

C:

do while .not. eof()
  store '' to HEADER
  store space(3) to ATITLE1, ATITLE2, ATITLE3
  store substr(TITLE,1,35) to STRING1
  store substr(TITLE,36,35) to STRING2
  store substr(TITLE,71,35) to STRING3

  if len(STRING2) = 0
    store STRING1 to ATITLE1
  else
    J = at('',STRING2)
    STRING1 = STRING1 + substr(STRING2,1,J-1)
    STRING2 = substr(STRING2,J+1,35-J)
    store STRING1 to ATITLE1

    if len(STRING2) = 0
      store STRING1 to ATITLE1
    else
      if len(STRING3) = 0
        store STRING2 to ATITLE2
      else
        K = at('',STRING3)
        STRING2 = STRING2 + substr(STRING3,K+1,35-K)
        STRING3 = substr(STRING3,K+1,35-K)
      endif
    endif
  endif

  store STRING1, STRING2, STRING3 to HEADER
  store HEADER to PAGE
  clear
enddo

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if len(STRING3) = 0
    store STRING2 to ATITLE2
else
    store STRING2 to ATITLE2
    store STRING3 to ATITLE3
endif
endif
endif
endif
if upper(MDATA) = 'H'
    set relation to SUBNUM into [AUTH] into [LASTNAME] to [LASTNAME]
    set relation to
else
    set relation to SUBNUM into [AUTH]
    store [AUTH] -> [LASTNAME] to [LASTNAME]
    set relation to
endif
if upper(MOUTPUT) = 'P'
    set print on
    set margin to 5
        if ACOUNT = 0
            PAGE ' +
            str(MPAGE,3)
        ?
        endif
    endif
? 'HUMB: ' +str(SUBNUM,5)+'' SUB: ' +doc(SUBDATE)+'' + ATITLE1
? 'AREA: ' + AREA +'' AIR: ' +doc(AIRDATE) +'' + ATITLE2
? 'STAT: ' + ACCCODE +'' PUB: ' +doc(PUBDATE) +'' + ATITLE3
? 'AUTHOR: ' +LASTNAME('(' +str(AUTHORS,1)+'),'') '+ CAT: ' +
    CATHUMB +'' + CATHUMB2 +'' + CATHUMB3
? ACOUNT = ACOUNT + 1

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if upper(OUTPUT) = 'P'
  if ACCOUNT = 10
    eject
    IMAGE = IMAGE + 1
    ACCOUNT = 0
  endif
endif

if upper(OUTPUT) = 'S'
  if ACCOUNT = 4
    wait 'Hit any key to continue...(Q) to abort...' to NKEY
    ACCOUNT = 0
  endif
  if upper(NKEY) = 'Q'
    exit
  endif
endif

skip
if eof()
  ?
  ?
  ?
  ?
  @ 21,0 clear
  @ 22,20 say 'End of file...Processing complete...'
  @ 23,25 say 'Press any key to continue.'
  wait ''
endif

enddo
set print off

close databases
return
This program prints out an abbreviated format of selected records for a specified area editor code (e.g., DARN, OPT, etc.).

set talk off

if upper(MDATA) = 'H'
    select 2
        use TAUTHS index TANSTSB
        select 1
        use TPUBBST index TPSTSB, TPHARSB
    else
        select 2
        use TAUTH index TANSTSB
        select 1
        use TPUB index TPUBARSB
    endif MDATA = 'CorH'

store 1 to NPAGE
store 0 to NCOUNT
store '' to MAREA

do while .T.
    store '' to MAREA
    clear
    @ 3,10 say 'Which area would you like to review (RETURN to quit): ';
    get MAREA picture 'AAAAA'
    read
    if MAREA = ''
        exit
    endif MAREA = RETURN

if .not. upper(MAREA) $ '/DARN /DIS /HMEP /HCCS/11S /HAMEL' ;
    '/OPT /ORP /PSLINS/SIESA/SSPS /SPA' 
    clear
    @ 15,27 say trim(upper(MAREA)) + ' invalid selection.'
    @ 16,27 say 'Hit any key to try again.'
    wait ''
    store '' to MAREA
    loop
    endif .not. valid AREA

set filter to AREA = upper(MAREA)
go top

do while .not. eof()
store ' ' to AKEF
store space(35) to ATITLE1, ATITLE2, ATITLE3
store substr(TITLE,1,35) to STRING1
store substr(TITLE,36,35) to STRING2
store substr(TITLE,71,35) to STRING3

if len(STRING2) = 0
   store STRING1 to ATITLE1
else
   J = at(' ',STRING2)
   STRING1 = STRING1 + substr(STRING2,1,J-1)
   STRING2 = substr(STRING2,J+1,35-J)
   store STRING1 to ATITLE1
   if len(STRING2) = 0
      store STRING1 to ATITLE1
   else
      if len(STRING3) = 0
         store STRING2 to ATITLE2
      else
         K = at(' ',STRING3)
         STRING2 = STRING2 + substr(STRING3,1,K-1)
         STRING3 = substr(STRING3,K+1,35-K)
         if len(STRING3) = 0
            store STRING2 to ATITLE2
         else
            store STRING2 to ATITLE2
            store STRING3 to ATITLE3
         endif
      endif
   endif
endif
endif
endif

if upper(MDATA) = 'N'
   set relation to SUBNUM into TAUTHINST
   store TAUTHINST -> LASTNAME to MLASTNAME
   set relation to
else
   set relation to SUBNUM into TAUTH
   store TAUTH -> LASTNAME to MLASTNAME
   set relation to
endif

if upper(MOUTPUT) = 'P'
    set print on
    set margin to 5
endif

if ACCOUNT = 0
endif

? 'NUMB: '+str(SUBMUMB,5)+' SUB: '*'dtoc(SUBDATE)'+ ' '+ MTITLE1
? 'AREA: '+'AREA '+ 'A/R: '+'dtoc(ACUIDATE) '+ ' '+ MTITLE2
? 'STAT: '+'ACCODE '+' PUB: '+'dtoc(PUBDATE) '+ ' '+ MTITLE3
? 'AUTHOR: '+'LASTNAME+('*str(AUTHORS,1)+')'+ ' CAT: '-' CATNUM1+ ' CATNUM2+ ' CATNUM3
ACCOUNT = ACCOUNT + 1

if upper(MOUTPUT) = 'P'
    if ACCOUNT = 10
        eject
        MPAGE = MPAGE + 1
        ACCOUNT = 0
    endif
endif

if upper(MOUTPUT) = 'S'
    if ACCOUNT = 4
        wait 'Hit any key to continue...(Q) to abort...' KEY
        ACCOUNT = 0
    endif
endif

if upper(MKEY) = 'Q'
    exit
endif

skip

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enddo

set print off

if eof()
?
?
?
?
@ 21,0 clear
@ 22,20 say 'End of file...Processing complete...
@ 23,11 say 'If no records displayed, selected area not in database!' 
@ 24,25 say 'Press any key to continue.'
    wait ''
endif

if upper(OUTPUT) = 'S'
    ACCOUNT = 0
endif

store ' ' to AREA

enddo

set filter to
set print off
close databases
return
#IPPRICH,PRS

* This program prints out an abbreviated format of records based
  upon subject category number.

set talk off

if upper(MDATA) = 'H'
  select 2
    use TAUTHIST index TAHSTSBH
    select 1
    use 1PUBHIST index 1PWBARSB
  else
    select 2
    use TAUTH index TAUTHSBH
    select 1
    use 1PUB index 1PWBARSB
  endif MDATA = 'H/H'

store 1 to PAGE
store 0 to RACOUNT
store ' ' to MCAT

end while .T.,
  store ' ' to MEY
  store ' ' to MCAT
  clear
  @ 2,20 say 'What subject category number do you' 
  @ 3,20 say 'want to look at (RETURN to quit): '
    get MEY picture ' ':
    read

  if MCAT = ' ' 
    exit
  endif MCAT = RETURN

  set filter to CATNUM1 = MCAT .or. CATNUM2 = MCAT ;
  .or. CATNUM3 = MCAT
  go top

end while .not. eof()
  store space(35) to MIITLE1, MIITLE2, MIITLE3
  store substr(TITLE,1,35) to STRING1
  store substr(TITLE,36,35) to STRING2
  store substr(TITLE,71,35) to STRING3

  if len(STRING2) = 0

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store STRING1 to TITLE1
else
    J = at( ',STRING2)
    STRING1 = STRING1 + substr(STRING2,1,J-1)
    STRING2 = substr(STRING2,J+1,35-J)
    store STRING1 to TITLE1
    if len(STRING2) = 0
        store STRING1 to TITLE1
    else
        if len(STRING3) = 0
            store STRING2 to TITLE2
        else
            K = at( ',STRING3)
            STRING2 = STRING2 + substr(STRING3,1,K-1)
            STRING3 = substr(STRING3,K+1,35-K)
            if len(STRING3) = 0
                store STRING2 to TITLE2
            else
                store STRING2 to TITLE2
                store STRING3 to TITLE3
            endif
        endif
    endif
endif
endif
if upper(MDATA) = 'H'
    set relation to SUBHUMB into TAUTH
    store TAUTH -> LASTNAME to ALASTNAME
    set relation to
else
    set relation to SUBHUMB into TAUTH
    store TAUTH -> LASTNAME to ALASTNAME
    set relation to
endif
if upper(MOUTPUT) = 'P'
    set print on
    set margin to 5
    if MACCOUNT = #
if upper(ROUTPUT) = 'P'
  if MOUNT = 10
    eject
    MPAGE = MPAGE + 1
    MOUNT = 0
  endif
endif

if upper(MOUTPUT) = 'S'
  if MOUNT = 4
    wait ' Hit any key to continue... (Q) to abort... ' to MKEY
    MOUNT = 0
  endif
  if upper(MKEY) = 'Q'
    exit
  endif
endif

skip

enddo

SET PRINT OFF

if eof()
  ?
  ?

@ 21.0 clear
@ 22.20 say 'End of file...Processing complete...
@ 23.10 say 'If no records displayed, category number not in database'
@ 24.75 say 'Press any key to continue.'
wait''
endif

if upper(MOUTPUT) = 'S'
    MOUNT = 6
endif

store ' ' to MCAI

enddo

set filter to
set print off
close databases
return
This program prints out an abbreviated format of selected submission numbers.
set talk off

if upper(MDATA) = 'H'
  select 2
  use TAUTHIST index TAUSTHBN
  select 1
  use TPUBIST index TPUBSBN, TPUBRSH
else
  select 2
  use TAUTH index TAUTHBN
  select 1
  use TPUB index TPUBSBN, TPUBRSH, TPUBACC
endif MDATA = 'CorH'

store 1 to MPAGE
store 0 to MCOUNT

do while .T.
clear
store '' to SUBNUM
@ 2.10 say 'Enter submission number to review (return to quit): ';
  get SUBNUM picture '?????'
  read

if SUBNUM = '
  if upper(MOUTPUT) = 'P'
    set print off
    eject
  endif
  close databases
  exit
endif

seek val(MSUBNUM)

if eof()
clear
set color to w,+w
@ 15.29 say 'Submission " + trim(MSUBNUM) + " not in database.'
@ 16.29 say 'Press any key to enter a new number.'
wait''
set color to w,+w

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loop
endf eof()

store space(35) to ATITLE1, ATITLE2, ATITLE3
store substr(TITLE,1,35) to STRING1
store substr(TITLE,36,35) to STRING2
store substr(TITLE,71,35) to STRING3

if len(STRING2) = 0
  store STRING1 to ATITLE1
else
  J = at(' ',STRING2)
  STRING1 = STRING1 + substr(STRING2,1,J-1)
  STRING2 = substr(STRING2,J+1,35-J)
  store STRING1 to ATITLE1
  if len(STRING2) = 0
    store STRING1 to ATITLE1
  else
    if len(STRING3) = 0
      store STRING2 to ATITLE2
    else
      K = at(' ',STRING3)
      STRING2 = STRING2 + substr(STRING3,1,K-1)
      STRING3 = substr(STRING3,K+1,35-K)
      if len(STRING3) = 0
        store STRING2 to ATITLE2
      else
        store STRING2 to ATITLE2
        store STRING3 to ATITLE3
      endif
    endif
  endif
endif

if upper(MDATA) = 'H'
  set relation to SUBNUM into TAUTH
  store TAUTH - > LASTNAME to MLASTNAME
  set relation to
else
  set relation to SUBNUM into TAUTH
store TAUTH -> LastNAME to MLASTNAME  
set relation to  
endif  
if upper(MOUTPUT) = 'P'  
set print on  
set margin to 5  
if ACCOUNT = 0  
? 'PAGE ' + ;  
str(MPAGE,3)  
?  
endif  
endif  
?  
'NUMB: ' + str(SUBNUM,5) + ' SUB: ' + dtoc(SUBDATE) + ' ' + TITLE1  
'AREA: ' + AREA + ' A/R: ' + dtoc(ARDATE) + ' ' + TITLE2  
'STAT: ' + ACCODE + ' PUB: ' + dtoc(PUBDATE) + ' ' + TITLE3  
'AUTHOR: ' + MLASTNAME + '(' + str(AUTHORS,1) + ')' + CAT1: ' +  
CATHUMB1 + ' ' + CATHUMB2 + ' ' + CATHUMB3  
?  
ACCOUNT = ACCOUNT + 1  
if upper(MOUTPUT) = 'P'  
if ACCOUNT = 10  
eject  
MPAGE = MPAGE + 1  
ACCOUNT = 0  
endif  
endif  
if upper(MOUTPUT) = 'S'  
if ACCOUNT = 1  
wait  
ACCOUNT = 0  
endif  
endif  
enddo  
close databases  
return
*TPRTAUTH.PRG*

*This program prints out an abbreviated format of selected submission numbers for authors of articles.*

set talk off

do while .T.
   store ' ' to ALKEY
   select 2
   use TAUTHINST index TAUNSTNM, THATHNAME
   select 1
   use TAUTH inst index IAUTHSTNM, TATHNAME

   do while .T.

      store '' to MLIST

      clear
      @ 2,28 say 'AUTHOR SELECTION MENU'
      @ 4,18 say 'A. All authors sorted by last name.'
      @ 5,18 say 'I. All authors for given last name.'
      @ 6,18 say 'M. All authors for given submission number.'
      @ 8,18 say 'RETURN - to exit.' get MLIST picture 'a'
      read
      if .not. upper(MLIST) & ' AHN'
         clear
         @ 28,28 say 'Invalid listing selection * ' + MLIST + '.*'
         @ 21,23 say 'Press any key to continue.'
         wait ''
         set color to 4,4
      loop
      else
         exit
      endif
   enddo

   if MLIST = ''
      exit
   endif

   if upper(MLIST) = 'A'

      if upper(IDATA) = 'H'
         select TAUTHINST
         set index to THATHNAME
      endif

   endif

100
go top
else
    select TAUTH
    set index to TAUTH
    go top
endif NDATA = 'CorH'
endif MLIST = 'A'
if upper(MLIST) = 'L'
    if upper(MDATA) = 'H'
        select TAUTH
        set index to TAUTH
        go top
    else
        select TAUTH
        set index to TAUTH
        go top
    endif NDATA = 'CorH'
endif MLIST = 'L'
if upper(MLIST) = 'M'
    if upper(MDATA) = 'H'
        select TAUTH
        set index to TAUTH
        go top
    else
        select TAUTH
        set index to TAUTH
        go top
    endif NDATA = 'CorH'
endif MLIST = 'H'
store 1 to MPAGE
store # to ACCOUNT
  do while .I.
    if upper(MLIST) = 'L'
        store space(15) to MLASTNAME
        clear
        @ 2.10 say 'Enter author last name to review (return to quit):'
    else
    endif
endif
@ 3.10 get MLASTNAME
read
if len(trim(MLASTNAME)) = 0
   exit
endif

set filter to LASTNAME = MLASTNAME
go top
endif MLIST = 'L

if upper(MLIST) = 'N'
clear
store ' ' to MSUBNUM
@ 2.10 say 'Enter submission number to review (return to quit): '
   get MSUBNUM picture '99999'
read
if MSUBNUM = '
   exit
endif

seek val(MSUBNUM)

if eof()
clear
set color to +w,+w
@ 15,20 say "Submission + trim(MSUBNUM) + :
   " not in database."
@ 16,20 say "Press any key to enter a new number."
wait **
set color to w,+w
@ 15,10
@ 16,10
loop
endif eof()

set filter to SUBHUMB = val(MSUBNUM)
go top
endif MLIST = 'N'
do while .not. eof()
store ' ' to MREY
   if upper(MOUTPUT) = 'P'
set print on
set margin to 10

if MCOUNT = 0
?
str(MPAGE,3)
?
?
endif

endif

if upper(OUTPUT) = 'S'
if MCOUNT = 10
  eject
  MPAGE = MPAGE + 1
  MCOUNT = 0
endif
endif

if upper(MOUTPUT) = 'S'
if MCOUNT = 4
  wait "Hit any key to continue...(Q) to abort..." to MKEY
  MCOUNT = 0
endif
if upper(MKEY) = 'Q'
  exit
endif

 skip

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enddo

set print off

if eof()
? 
? 
? 
? 
@ 21.0 clear
@ 23.25 say 'End of file...Processing complete...'
@ 24.25 say 'Press any key to continue.'
wait ''
exit
endif

if upper(MKEY) = 'Q'
exit
endif MKEY = 'Q'

store ' ' to ASUBNUM
store space(15) to MLASTNAME

loop
enddo

loop

enddo

set print off
set filter to
close databases
return
This program prints out information on the various SIG chairmen.

set talk off
use TAREA index TAREA2
store 1 to MPAGE
store 0 to MCOUNT

do while .T.
  store ' ' to AREA
  clear
  @ 2.10 say 'Which area would you like to review (RETURN to quit): ';
  get AREA picture 'AAAAA'
  read

  if AREA = '
    exit
  endif AREA = RETURN

  if .not. upper(AREA) "$" /DAHAB /DIS /HMMF /HESI /ICS /HNAME:"+ ;
    '/OPT /OPI /PS1MM/SEIES/SEPS /SPA "
    clear
    set color to +w,+w
    @ 16.27 say trim(upper(AREA)) + ' invalid selection.'
    @ 16.27 say 'Hit any key to try again.'
    set color to w,+w
    wait ''
    store ' ' to AREA
    loop
  endif .not. valid AREA

  set filter to AREA = upper(AREA)
go top

  do while .not. eof()
    if upper(MO/PUT) = 'P'
      set print on
      set margin to 5

    if MCOUNT = 0
      PAGE '+'
      str(MPAGE,3)
    endif
  endif

  endif
? TITLE
? 'Editor: ' + trim(FIRSTNAME) + ' ' + trim(LASTNAME)
? AFFILIATE
? trim(ADDRESS1) + ' ' + trim(ADDRESS2)
? trim(CITY) + ' ' + trim(STATE) + ' ' + ZIP + ' ' + PHONE
?

ACCOUNT = MOUNT + 1

if upper(OUTPUT) = 'P'
  if MOUNT = 0
    eject
    PAGE = PAGE + 1
    MOUNT = 0
  endif
endif

skip
endo

set print off

if eof()
  ?
  ?
  ?
  @ 21.0 clear
  @ 22.29 say 'End of file...Processing complete...'
  @ 23.11 say 'If no records displayed, selected area not in database!'
  @ 24.25 say 'Press any key to continue.'
  wait''
endif

store ' ' to AREA
endo

set print off
set print to
close databases
return
This program prints mailing labels for either the area editors or the SIG chairman. Label forms are limited to 35 characters per line max to fit on single width standard 3 1/2" by 15/16" labels.

set talk off
use AREA

do while .T.
clear
store '' to LABEL
store '' to MPRINT
@ 2,17 say 'Would you like to print labels for the area'  
@ 3,14 say '(E)ditors or the (C)hairmen (RETURN to quit):' 
get MLABEL picture 'a'
read
if .not. upper(MLABEL) & ' CE'
clear
set color to +w,+w
@ 15,26 say 'Invalid selection % ' + MLABEL + ' %.'
@ 16,26 say 'Hit any key to continue.'
wait ''
loop
endif MLABEL = 'CE'
clear
if MLABEL = ''
exit
endif MLABEL = RETURN

do while .T.
store '' to MSCRPRN
clear
@ 2,18 say 'Would you output to the (S)creen or (P)rinter?'
@ 3,26 say '(RETURN to quit):' 
get MSCRPRN picture 'a'
read
if .not. upper(MSCRPRN) & ' SP'
clear
@ 15,27 say 'Invalid selection % ' + MSCRPRN + ' %.'
@ 16,27 say 'Hit any key to continue.'
wait ''
loop
endif
clear

if MSCRPN = '
  exit
endif MSCRPN = RETURN

if upper(MLABEL) = 'E'

  if upper(MSCRPN) = 'P'
    clear
    set color to +w,+w
    @ 15.24 say 'Assure that the printer is ready.'
    @ 16.20 say 'Enter (6) to go... Any other key to abort.'
    get MPRINT picture 'a'
    read
    set color to w,+w
    if .not. upper(MPRINT) = 'G'
      exit
    endif MPRINT = 'G'
    label form TEDITOR sample to print
  else
    label form TEDITOR sample
  endif MSCRPN = 'P'
endif MLABEL = 'E'

if upper(MLABEL) = 'G'

  if upper(MSCRPN) = 'P'
    clear
    set color to +w,+w
    @ 15.24 say 'Assure that the printer is ready.'
    @ 16.20 say 'Enter (6) to go... Any other key to abort.'
    get MPRINT picture 'a'
    read
    set color to w,+w
    if .not. upper(MPRINT) = 'G'
      exit
    endif MPRINT = 'G'
    label form TEDITOR sample to print
  else
    label form TEDITOR sample to print
  endif MSCRPN = 'P'
endif MLABEL = 'G'
label form TSIG sample
endif MSCRPRA = 'P'
endif MLABEL = 'C'
enddo
close databases
return
This program prints out information on the various SIG chairmen.

set talk off
use TAREA index TAREA2
store 1 to MPAGE
store 0 to MCOUNT

do while .T.
    store ' ' to MAREA
    clear
    @ 2,10 say 'Which area would you like to review (RETURN to quit): '
        get MAREA picture 'AAAA'
    read

    if MAREA = ''
        exit
    endif

    if .not. upper(MAREA) $ '/DAWN /DIS /DFMP /HCESSI/ICS /NAMEE*' ;
        '/OPT /ORP /PSIMU/SIESA/SSPS /SPTA ' 
    clear
    set color to +w,+w
    @ 15,27 say trim(upper(MAREA)) + ' invalid selection.'
    @ 16,27 say 'Hit any key to try again.'
    set color to w,+w
    wait ''
    store ' ' to MAREA
    loop
endif

set filter to AREA = upper(MAREA)
go top

do while .not. eof()
    if upper(MOUTPUT) = 'P'
        set print on
        set margin to 5

        if MCOUNT = 0
            page '+
        endif
        str(MPAGE,3)
    endif
endif

endif
? 'SIG-Chairman ('+trim(upper(MAREA))+'): '*trim(SIGCHAIR)
? SAFILATE
? trim(SADDRESS1) + ' ' + trim(SADDRESS2)
? trim(SCity) + ' ' + trim(STATE) + ' ' + ZIP + ' ' + PHONE
?
COUNT = COUNT + 1

if upper(MOUTPUT) = 'F'
  if COUNT = 0
    eject
    MPAGE = MPAGE + 1
    COUNT = 0
  endif
endif

skip
enddo

set print off

if eof()
  ?
  ?
  ?
  @ 21.0 clear
  @ 22.20 say 'End of file...Processing complete...'
  @ 23.11 say 'If no records displayed, selected area not in database'
  @ 24.25 say 'Press any key to continue.'
  wait '
endif

store ' ' to MAREA
enddo

set print off
set filter to
close databases
return
This program prints out a listing of the subject category numbers and their respective titles.

set talk off

do while .t.
    use TSUBCAT index TSUBCAT2

    do while .t.
        store '' to MLIST
        clear
        @ 2,20 say 'Would you like to see all the subjects'
        @ 3,20 say 'Listed by category number or select'
        @ 4,15 say 'Subjects by category (N)umber (RETURN to quit)?';
        get MLIST picture 'a'
        read
        if .not. upper(MLIST) $ 'LN'
            clear
            set color to +w,+w
            @ 20,20 say 'Invalid listing selection $ MLIST $ ';
            @ 21,23 say 'Press any key to continue.'
            set color to +w,+w
            wait''
            loop
        else
            exit
        endif
        enddo

    if MLIST = ''
        exit
    endif MLIST = RETURN

    store 1 to IMAGE
    store # to COUNT

    do while .t.
        store '' to MSCRPM
        clear
        @ 2,10 say 'Would you like output to the (S)creen or (P)rinter?';
        get MSCRPM picture 'a'
        read
        if .not. upper(MSCRPM) $ 'SP'

    enddo
clear
set color to +w,+w
@ 15,27 say 'Invalid selection ' + NVRNPR + '. '
@ 16,27 say 'Hit any key to continue.'
set color to w,+w
wait''
loop
else
exit
endif

clear
enddo
do while .T.

if upper(MLIST) = 'N'

store '' to MCATNUM

clear
@ 2,10 say 'Enter category number to review (return to quit): '';
get MCATNUM picture '###'
read

if MCATNUM = ''
exit
endif

seek MCATNUM

if eof()

clear
set color to +w,+w
@ 15,27 say 'Category number '' + MCATNUM + '' not in database.'
@ 16,27 say 'Press any key to enter a new number.'
wait''
set color to w,+w
@ 15,10
@ 16,10
loop
endif eof()

set filter to CATNUM = MCATNUM
go top
endif MLIST = 'N'
do while .not. eof()
store ' ' to AEY

if upper(MSCPRM) = 'P'
    set print on
    set margin to 10

    if MCOUNT = 0
        PAGE '+ :
    str(MPAGE,3)
    ?
    ?
    endif

endif

? CATNUM + ' ' + SUBJECT
MCOUNT = MCOUNT + 1

if upper(MSCPRM) = 'P'

    if MCOUNT = 39
        eject
        MPAGE = MPAGE + 1
        MCOUNT = 0
    endif

endif

if upper(MSCPRM) = 'S'

    if upper(MLIST) = 'L'

        if MCOUNT = 24
            wait ' Hit any key to continue...(0) to abort...' to AEY
            MCOUNT = 0
        endif

        if upper(AEY) = '0'
            exit
        endif

    endif

    endif

endif MSCPRM = 'S'
skip
enndo

set print off

if eof()
    ?
    ?
    ?
    @ 23,24 say 'End of file...Processing complete...'
    @ 24,25 say 'Press any key to continue.'
    wait "" endif

if upper(MLIST) = 'L'
    exit
endif MLIST = 'L'

store ' ' to ACATHNUM

enndo

loop

enndo

set print off
set filter to
close databases
return
IIBSTAT.PRG

This program calculates the number of proposed articles that have been accepted, rejected, published or in review (holding) along with their percentage of the total for individual areas or for the entire data base.

set talk off
store '' to ADEVICE, MCHOICE

do while upper(MCHOICE) & ' ABCDEFGHIJKLMNOPRSTUWY'
  store '' to ADEVICE
  store '' to MCHOICE
  clear
  set format to LISTAREA
  read
  close format

  if MCHOICE = '
      exit
  endif MCHOICE

  if .not. upper(MCHOICE) & ' ABCDEFGHIJKLMNOPRSTUWY'
      clear
      set color to +w,+w
      @15,21 say 'Invalid selection.....................'
      @16,26 say 'Press any key to try again.'
      set color to +u,+w
      wait ''
      MCHOICE = ''
  loop
  endif MCHOICE .not. 'ABCDEFGHIJKLMNOPRSTUWYor M'

  clear
  @2,16 say 'Do you want output to the (S)creen:' +
  ' or (P)rinter?' get ADEVICE picture 'a'

  read
  clear
  @2,15 say 'Processing the data file. Please be patient....'

  if upper(MDEVICE) = 'P'
    set device to print
  endif MDEVICE = 'P'

  use TPUB index TPUBARS

  if upper(MCHOICE) = 'A'
    store 'DAMN' to AREA

if upper(MCHOICE) = 'O'
    store 'DIS' to AREA
    endif MCHOICE = DIS

if upper(MCHOICE) = 'C'
    store 'DNP' to AREA
    endif MCHOICE = DNP

if upper(MCHOICE) = 'D'
    store 'MCNICE' to AREA
    endif MCHOICE = MCNICE

if upper(MCHOICE) = 'E'
    store 'ICS' to AREA
    endif MCHOICE = ICS

if upper(MCHOICE) = 'F'
    store 'MVSI' to AREA
    endif MCHOICE = MVSI

if upper(MCHOICE) = 'G'
    store 'NAMICE' to AREA
    endif MCHOICE = NAMICE

if upper(MCHOICE) = 'H'
    store 'OSIH' to AREA
    endif MCHOICE = OSIH

if upper(MCHOICE) = 'I'
    store 'PSIM' to AREA
    endif MCHOICE = PSIM

if upper(MCHOICE) = 'J'
    store 'SIESM' to AREA
    endif MCHOICE = SIESM

if upper(MCHOICE) = 'K'
    store 'SSPS' to AREA
    endif MCHOICE = SSPS

if upper(MCHOICE) = 'L'
    store 'SPTA' to AREA
    endif MCHOICE = SPTA
if upper(MODICE) = 'A'
    store 'ALL' to AREA
endif MODICE = ALL

if AREA = 'ALL'
    count for ACCCODE = 'H' to PUBLISHED
    count for ACCCODE = 'A' to ACCEPTED
    count for ACCCODE = 'R' to REJECTED
    count for ACCCODE = 'P' to PUBLISHED
    count for ACCCODE = 'M' to MODIFY
endif AREA = 'ALL'

if AREA = 'ALL'
    count for AREA = AREA and. ACCCODE = 'H' to PUBLISHED
    count for AREA = AREA and. ACCCODE = 'A' to ACCEPTED
    count for AREA = AREA and. ACCCODE = 'R' to REJECTED
    count for AREA = AREA and. ACCCODE = 'P' to PUBLISHED
    count for AREA = AREA and. ACCCODE = 'M' to MODIFY
endif

store PUBLISHED + ACCEPTED + REJECTED + PUBLISHED + ;
MODIFY to ATOTAL
store PUBLISHED / ATOTAL * 100 to PERENCE
store ACCEPTED / ATOTAL * 100 to PERENCE
store REJECTED / ATOTAL * 100 to PERENCE
store PUBLISHED / ATOTAL * 100 to PERENCE
store MODIFY / ATOTAL * 100 to PERENCE
store PERENCE + PERENCE + PERENCE + PERENCE + ;
PERCENT to PERENCE

@ 1,0 clear
@ 3,(65-len('Statistics for Articles in '+trw(A))/)
    say 'Statistics for Articles in '+trw(A);
@ 5,32 say "PUBLICATIONS STATISTICS"
@ 7,29 say "FREQUENCY PER CENT"
@ 9,12 say "PUBLISHED" picture '9999'
@ 9,51 say "ACCEPTED" picture '9999.9'
@ 11,12 say "REJECTED" picture '9999.9'
@ 13,12 say "PUBLISHED" picture '9999.9'
@ 15,12 say "PUBLISHED" picture '9999.9'
@ 15,51 say "PUBLISHED" picture '9999.9'

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@ 17.12 say "MODIFICATION"
@ 17.31 say MODIFY picture '9999'
@ 17.51 say PERCENT picture '999.9'
@ 19.12 say 'TOTAL'
@ 19.30 say TOTAL picture '99999'
@ 19.51 say PERCENT picture '999.9'

if upper(MDEVISE) = 'P'
    clear
eject
    set device to screen
    @ 22.15 say 'Printing completed. Press any key to exit.'
    wait '
else
    @ 29.0 clear
    @ 22.12 say 'Press any key to continue!'
    wait '
endif MDEVISE = 'P'

endo
close databases
return
+ TRPATMUL.PAS  
+ This program controls the execution of reviewing or printing  
+ the various stated options.  
set talk off  
store ' ' to PREVCHOICE  
store 'C' to MDATA  
store 'S' to MOUTPUT  
do while PREVCHOICE $ '12345678'  
clear  
set format to TRPATMUL  
read  
close format  

if upper(PREVCHOICE) = ''  
exit  
endif PREVCHOICE = RETURN  

if not PREVCHOICE $ '12345678'  
clear  
set color to +W,+W  
@ 15.20 say 'Invalid selection........'  
@ 16.20 say 'Press any key to try again.'  
set color to +W,+W  
wait ''  
PREVCHOICE = ''  
clear  
loop  
endif PREVCHOICE .not. in '12345678'  
do case  
  case PREVCHOICE = '1'  
    do TRP1PLB  
  case PREVCHOICE = '2'  
    do TRP2AUTH  
  case PREVCHOICE = '3'  
    do TRP3ED  
  case PREVCHOICE = '4'  
    do TRP4SIG  
  case PREVCHOICE = '5'  
    do TRP5LBL  
  case PREVCHOICE = '6'  
    do TRP6SMHJ  
  case PREVCHOICE = '7'  
    if MDATA = 'C'  
      if
MDATA = 'H'
else
    MDATA = 'C'
endif

case PREVCHOICE = 'B'
    if OUTPUT = 'S'
        OUTPUT = 'Y'
    else
        OUTPUT = 'S'
    endif
    case PREVCHOICE = '
        exit
    endcase PREVCHOICE
    PREVCHOICE = '
endforeach

clear all
return
# Menu for selecting which publications to display or print.
set talk off
store ' ' to MCCHOICE

do while MCCHOICE $ ' ABCDE'
clear
@ 10.18 say 'SELECTION CRITERION FOR REVIEWING ARTICLES'
@ 12.29 say 'A. A specific submission number.'
@ 13.29 say 'B. A specific area.'
@ 14.29 say 'C. A particular acceptance status.'
@ 15.29 say 'D. A subject category number.'
@ 16.29 say 'E. All entries in the data base.'
@ 18.17 say 'RETURN - Exit this menu.'
@ 20.24 say 'State your preference.' get MCCHOICE picture 'a'
read
docase
   case upper(MCCHOICE) = 'A'
do TPPRTAB
   case upper(MCCHOICE) = 'B'
do TPPRtab
   case upper(MCCHOICE) = 'C'
do TPPRAC
   case upper(MCCHOICE) = 'D'
do TPPRAC
   case upper(MCCHOICE) = 'E'
do TPPRAC
   case MCCHOICE = ''
extit
endcase
store ' ' to MCCHOICE
endo MCCHOICE = ' ABCDE'
return
# ISTATMNU.PRG

* Menu for selecting which statistics the user wants to see.

store ' ' to MCHOICE

do while MCHOICE < '3'
    clear
    @ 5,20 say '1. Descriptive statistics: count of'
    @ 6,24 say 'number of publications in the data'
    @ 7,24 say 'base by acceptance codes & percent.'
    @ 9,24 say '2. Mean & standard deviation in days'
    @ 10,24 say 'required to accept, reject, or publish'
    @ 11,24 say 'articles and acceptance rate.'
    @ 13,17 say 'RETURN - exit this menu.'
    @ 15,20 say 'Enter your selection.' get MCHOICE picture 'N'
    read
    if MCHOICE = ' '        
        exit
    endif MCHOICE

do case
    case MCHOICE = '1'
        do PUBSTAT
    case MCHOICE = '2'
        do TALLSTAT
    endcase MCHOICE

    MCHOICE = ' '        
enddo MCHOICE

return
# LISTAREA.FAT
@ 3.8 SAY "-----------------------------" 
@ 3.8 SAY "---" 
@ 4.8 SAY "[*] STATISTICS GENERATED FOR AREA:" 
@ 4.9 SAY "[e] GET choice PICTURE 'e'" 
@ 4.6 SAY "[*]" 
@ 5.8 SAY "-----------------------------------" 
@ 5.63 SAY "---" 
@ 6.8 SAY "[*]" 
@ 7.8 SAY "[*] A. Decision Analysis | B. Defense & Intl Se" 
@ 7.63 SAY "[c. | [" 
@ 8.8 SAY "[*]" 
@ 9.8 SAY "[*] E. Distribution/Networks | D. Health Care" 
@ 9.6 SAY "[*]" 
@ 10.8 SAY "[*]" 
@ 11.8 SAY "[*] E. Computer Science | F. Natural Resource" 
@ 11.63 SAY "[g. | [" 
@ 12.8 SAY "[*]" 
@ 12.63 SAY "[h. | [" 
@ 13.8 SAY "[*]" 
@ 13.63 SAY "[*]" 
@ 14.8 SAY "[*] G. Optimization | H. OR Practice" 
@ 14.6 SAY "[*]" 
@ 14.8 SAY "[*]" 
@ 15.8 SAY "[*]" 
@ 15.8 SAY "[*]" 
@ 16.8 SAY "[*] I. Production/Scheduling/ | J. Simulation/valua" 
@ 16.63 SAY "[i. | [" 
@ 17.8 SAY "[*]" 
@ 17.63 SAY "[n. | [" 
@ 17.63 SAY "[j. | [" 
@ 18.8 SAY "[*]" 
@ 18.63 SAY "[*]" 
@ 19.8 SAY "[*] K. Social Sciences | L. Stoch. Proc & App" 
@ 19.63 SAY "[l. | [" 
@ 20.8 SAY "[*]" 
@ 20.6 SAY "[*]" 
@ 21.8 SAY "[*]" 
@ 21.63 SAY "[*]" 
@ 22.8 SAY "[*] M. Aggregate (all) | RETURN - to exit" 
@ 22.6 SAY "[*]" 
@ 23.8 SAY "---------" 
@ 23.63 SAY "----------"
PUREDIT.FAT
@ 3.3 say "Submission number (XXXX):"
@ 3.46 say SUBNUM picture "999999"
@ 4.3 say "Title (100 max)"
@ 5.4 get TITLE
@ 7.3 say "Acceptance code (X):"
@ 7.46 get ACCODE picture "*"
@ 8.4 say "M: in review A: accepted R: rejected"
@ 9.4 say "P: published R: returned for modification"
@ 11.3 say "Acceptance/Rejection date (MM/DD/YY):"
@ 11.46 get ACRDATE
@ 12.3 say "Publication date (MM/DD/YY):"
@ 12.46 get PUDATE
@ 13.3 say "Submission date (MM/DD/YY):"
@ 13.46 get SUBDATE
@ 14.3 say "Area editor subject abbreviation (XXXX):"
@ 14.46 get AREA picture "!!!!!!"
@ 15.3 say "DABN DIS DHMF HCSS ICS MAMEE"
@ 16.3 say "OFI OPP PSINM STEAM SSPS SPTA"
@ 18.3 say "Number of authors (X):"
@ 18.46 get AUTHORS picture "$"
@ 19.3 say "First subject category number (XXX):"
@ 19.46 get CATMNUM1 picture "999"
@ 20.3 say "Second subject category number (XXX):"
@ 20.46 get CATMNUM2 picture "999"
@ 21.3 say "Third subject category number (XXX):"
@ 21.46 get CATMNUM3 picture "999"
@ 22.3 say "The first of " str(AUTHORS,1) " author(s) is:"
@ 22.46 say TFIRSTAUTH
@ 24.3 say "(Hit Pgdn to move to author file)"
read
a PUBINPUT.FAT
@ 2,2 say "Submission number (XXXX):"
@ 2,45 get SUBNUM picture "99999"
@ 3,2 say "Title (100 characters max):"
@ 4,3 get TITLE
@ 5,2 say "Number of authors (X):"
@ 6,45 get AUTHORS picture "9"
@ 7,2 say "Submission date (MM/DD/YY):"
@ 7,45 get SUBDATE
@ 8,2 say "First subject category number (XXX):"
@ 8,45 get CATNUM1 picture "9999"
@ 9,2 say "Second subject category number (XXX):"
@ 9,45 get CATNUM2 picture "999"
@ 10,2 say "Third subject category number (XXX):"
@ 10,45 get CATNUM3 picture "999"
@ 11,2 say "Area editor subject abbreviation (XXXXX):"
@ 11,45 get AREA picture "!!!!!!"
@ 12,5 say "DANW DIS DMFP HESSI IES HOMME"
@ 13,5 say "OPT ORP PSIMM SIESA SSPPS SPTA"
@ 15,2 say "Hit Pgdn to move to author file."
# TEDIT.FAT
@ 6,15 say "Area:"
@ 6,22 get AREA
@ 7,15 get TITLE
@ 9,15 get LASTNAME
@ 10,15 get FIRSTNAME
@ 11,15 get AFFILIATE
@ 12,15 get ADDRESS1
@ 13,15 get ADDRESS2
@ 14,15 get CITY
@ 15,15 get STATE
@ 16,15 get ZIP
@ 17,15 get PHONE
read
REVIEW & PRINT OPTIONS  Selection:

1. Publications  2. Authors
3. Area editors  4. SIG Chairmen
5. Mailing labels  6. Sub. categories
7. Toggle Current/Historical Status:
8. Toggle Screen/Printer Status:

RETURN - Exit this menu
@ 5.10 say "Area:"
@ 5.16 get AREA
@ 6.10 say "SIG Chairman:"
@ 6.24 get SIGCHAIR
@ 7.10 get SIGAFFILIATE
@ 8.10 get SADDRESS1
@ 9.10 get SADDRESS2
@ 10.10 get SCITY
@ 11.10 get SSTATE
@ 12.10 get SZIP
@ 13.10 get SPHONE
read
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