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TECHNICAL SUPPLEMENT  
TO  
DESIGNING STATEWIDE CRIMINAL  
JUSTICE STATISTICS SYSTEMS –  
THE DEMONSTRATION OF A PROTOTYPE

Project SEARCH  
Statistical Advisory Committee

014537

PROJECT

SEARCH

SYSTEM FOR ELECTRONIC  
ANALYSIS AND RETRIEVAL  
OF CRIMINAL HISTORIES

This Technical Supplement contains three reports which document technical activities performed as part of the SEARCH Statistical Demonstration Project.

Technical Appendix I reproduces the Data Collection Manual which guided the states during the collection of data about felony offenders. Technical Appendix II documents the computer software developed to reduce processes and analyze the statistical data about offenders proceeding through the state criminal justice system. Finally, Technical Appendix III reports on the computer programs developed for California's special SEARCH project and presents a number of examples of the potential uses of an offender-based, transactional criminal justice statistics system.

TECHNICAL APPENDIX I  
DATA COLLECTION MANUAL

MARCH 1970

# DATA COLLECTION MANUAL

STATISTICAL DEMONSTRATION

PROJECT

**PROJECT SEARCH**  **SYSTEM FOR ELECTRONIC ANALYSIS AND RETRIEVAL OF CRIMINAL HISTORIES**

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# INTRODUCTION TO THE SEARCH STATISTICAL DEMONSTRATION PROJECT

## Background and Purpose

The facts that describe each state's administration of criminal justice and the processes which adult criminal defendants encounter in the system are scattered throughout the files of local police, county prosecutors, different levels of the courts and various state and local correctional agencies. In order to describe how effectively the criminal justice system in each state is working and to better trace the passage of individuals through the system, the presently dispersed facts must be linked together to portray the criminal justice system.

To be able to trace an individual offender step-by-step through the entire criminal justice process, will make it possible to present summary information concerning the system in an integrated, comprehensible manner. The need for such a coordinated statistical system has been recognized by many in the field of criminal justice and was strongly recommended by the President's Commission on Law Enforcement and the Administration of Justice.

Therefore, the Statistical Task Force and Statistical Advisory Committee of Project SEARCH has proposed that each of the ten participating states (Arizona, California, Connecticut, Florida, Maryland, Michigan, Minnesota, New York, Texas, and Washington) trace a selected group of adult felony defendants through the criminal justice system from entry at the point of arrest to the point of departure. This will involve the systematic collection of data from files of law enforcement agencies, prosecutors, courts, and corrections agencies. The project is intended only as an example, not as a sample, of how the administration of the criminal justice process could be described.

## Objectives

The objective of this demonstration is to bring together information from the separate criminal justice agencies. More specifically to:

1. Locate "problem areas" associated with tracking offenders through the state criminal justice system,
2. Acquaint state and local personnel with these "problem areas",
3. Determine the feasibility of conducting the operation on a larger scale,
4. Gain knowledge and experience that will aid in developing



a satisfactory mechanism for the collection of the desired data on a continuing basis, and

5. Demonstrate the production of summary statistics describing each level or stage in the criminal justice process.

#### Data Collection Manual

The purpose of this manual is to provide instructions and methods for collecting data on 250 adult felons (per state) who reach the pre-trial court stage. The data to be collected relates to each major step of the criminal justice process, starting with the arrest and ending with departure at the corrections stage. The emphasis is on a small number of records well done rather than a large number with incomplete data. The procedures given in this manual are, in many instances, quite general because of the differing criminal justice systems in the ten states. Some of the data elements requested on the forms may simply be inappropriate in a given state because of incompatible sequencing or formatting for that state. In this case, please record all difficulties on a separate sheet and submit it with the finished data.

#### Technical Assistance

The quality of the collected data will depend entirely upon each individual state. We hope that each state will set up procedures for validating the coded data. The success of this project will depend upon the efforts of all the participants. Should you require technical assistance in completing the forms, please direct your questions to Steve Kolodney of the SEARCH staff (408-246-1922) or to Charles Kindermann of the LEAA staff (202-386-3311). They will be available to explain the forms and procedures in greater detail or to help with special problems.

## PROCEDURES FOR THE SEARCH STATISTICAL DEMONSTRATION PROJECT

### I General

#### A. Forms

There are five forms to be used in this project:

1. Form CJS-1 Offender Characteristics and Police Action
2. Form CJS-2 Pre-Trial (Felony) Action
3. Form CJS-3 Felony Trial
4. Form CJS-4 Corrections Action
5. Form CJS-5 Status-End of Trace

#### B. Sample Unit

The sample unit is defined to be the person-arrest. In this regard a case will simply be a given person at the given arrest. If multiple offenders are arrested for a single offense, each offender, if selected for the sample, would be regarded as a separate person-arrest and hence a separate case. For example, if 3 offenders robbed a grocery store and all 3 were arrested, this would constitute 3 person-arrests and each would be traced through the system separately (assuming each was chosen for the sample). On the other hand, the case of a single person who is arrested on a second or subsequent occasion would constitute a second person-arrest; for purposes of this demonstration, no attempt should be made to follow such subsequent arrest cases through the system. If the offender is charged with multiple offenses, only the action taken on the most serious offense charged at each stage (police, pre-trial, courts, corrections) will be followed.

#### C. Handling of Forms

The forms you receive will be pre-assembled so that one of each form (CJS-1, CJS-2, CJS-3, CJS-4, CJS-5) will be stapled together. Please keep these five forms for one offender together at each stage of the data collection. Extra forms are included in case a mistake is made on one form, a new form may be substituted. It should also be stressed that the information collected is confidential.

## II Stage 1 - Police Action

### A. Selecting a Jurisdiction

We suggest that you choose a single jurisdiction within the state in which to conduct your work. You must gain access to the police arrest records in this jurisdiction.

### B. Selecting Cases (Person-Arrests)

We assume police files will contain arrest records in chronological order. Beginning with January 1, 1968, select the first 250 adults arrested on felony charges. If records are kept chronologically, this will give a proportional representation by race, age, and type of offense. If records are maintained in some other manner, say, chronologically by offense, then the selection should be done in such a fashion as to get some cases of each offense type, rather than selecting all robberies, for example.

### C. Collecting Stage 1 Data

The names of the first 250 adults arrested on felony charges should be recorded on Form CJS-1. Any other information requested on this form, found in the arrest record, record also. Use whatever sources are available at the police department, such as the RAP sheet, to fill in the remainder of the data elements on Form CJS-1. It might be useful to make note of any special identifying numbers that appear in the records at each stage which could aid you in locating the person in another stage of the system.

The item "police disposition" will indicate if the offender is to be followed further into the system. When this item is coded 1, the offender must be followed into the pre-trial stage. Any other code (2, 3, 4, 5) means that the offender has exited from the system (Forms CJS-2 through CJS-4 need not be used), and Form CJS-5 should be completed.

At this point, count the number of persons who are to be followed into the pre-trial stage. If this number does not equal 250, select additional cases from the arrest records until obtaining a minimum of 250 person-arrests which can be followed into the pre-trial stage. DO NOT dispose of the completed Forms CJS-1 and CJS-5 for the offenders who are not coded 1 in "police disposition". These forms must be returned with the 250 cases which reach the pre-trial stage.

## III Stage 2 - Pre-Trial (Felony) Action

Using the information gathered in Stage 1 for the 250 felony offenders, locate their records in the lower court system. The Pre-Trial (Felony) Action Form (Form CJS-2) should be filled out next. Use the best source available for this information, e.g., court records or prosecutor's records. Several different actions may occur at this stage before the offender either moves on or exits from the system; be sure each action is recorded separately and in chronological order. At this stage, column 30 (disposition) will indicate how the offender is to be traced further. If the offender is "bound over to felony court" (code 2), he should be followed into the felony trial stage. If none of the dispositions in any cycle result in the offender being bound over to a felony court, he exits from the system and only Form CJS-5 need be completed. (See the instruction sheet for Pre-Trial Action, page 10, for a more detailed explanation of the cycles.)

## IV Stage 3 - Felony Trial Action

Those offenders remaining in the system at the end of Stage 2 (this number is likely to be less than 250) are subject to a felony trial. Each offender's records should be located in the court system and information concerning the felony trial recorded on the Felony Trial Form (Form CJS-3). Again, the best sources of information should be used. If the trial results in some type of correctional action, e.g., probation, prison, or jail, continue to follow the offender to Stage 4.

## V Stage 4 - Corrections Action

If the offender was convicted in the felony trial and placed under supervision or sentenced to an institution, the Corrections Action Form (Form CJS-4) should be completed. Several different actions may occur at this stage; record each separately and in chronological order.

## VI Status-End of Trace

When an offender exits from the criminal justice system or when he can no longer be traced, Form CJS-5, Status-End of Trace, should be coded. This form must be completed for every felon in the sample including those who are released by the police.

CODING INSTRUCTIONS FOR DATA COLLECTION

SEARCH Statistical Demonstration Project

GENERAL INSTRUCTIONS

1. We recommend that you read through the glossary provided in the back of this manual before you begin coding.
2. Use a code of "X" if the question is not applicable. E.g., if the offender is put on probation, place an "X" in the column for "length of prison sentence".
3. Right justify ALL numbers, and place "0" in the blank columns. For example, if three columns are available for the "length of prison sentence" and the answer was fourteen (14) months, it would be coded as:

length of prison  
sentence (months)  
10 11 12  

0	1	4
---	---	---

4. All items typed in capital letters on the form sheet must be looked up in the code manual before being filled in. Items typed in small letters are self-explanatory.
5. Codes provided beside a column on the form must be used -- do not use substitutions. Place the CODE NUMBER in the column, e.g.:

sex  
49 Codes (49)--column number  

1
---

 1-male  
2-female

6. All dates should be recorded in the same manner -- month in the first 2 columns; day in the next 2; year in the last 2. Codes for the months are as follows:

01 - January      04 - April      07 - July      10 - October  
02 - February    05 - May      08 - August    11 - November  
03 - March       06 - June      09 - September 12 - December

If the day is a 2 digit figure, record exactly; for a one digit number right justify and place a zero in the blank.

Enter the last 2 digits of the year in the last 2 columns; e.g.:

1896, code 96  
1900, code 00  
1926, code 26  
E.g.: March 5, 1970 = 

0	3	0	5	7	0
---	---	---	---	---	---

8. Any problems encountered in filling out the forms should be recorded on a separate sheet and returned with the completed data.
9. At the end of each form, there is a box labeled "System Status". After a form is completed, if you continue to follow the offender and are able to locate more information on him at the next level, code this box "1". If you follow the offender to the next level, but find no more information on him after a thorough search of all available records, code this box "2". If the offender is arrested on new charges at any time throughout the system, and the charge you are tracking is dropped, the search ends and this box is coded "3". If the offender is not to be followed to the next level after completing this form, code this box "4". (Refer to the section on procedures, page 3, for explanation of how to determine if the offender should be followed to the next level.)

Instructions for Offender Characteristics  
and Police Action Form (CJS-1)

Columns

1-10 - State ID

A field of ten alphanumeric columns are provided for the identification of the state and the number assigned to the person's file: The first two columns refer to the state name code; and the remainder of the field is filled with the identification number of the individual to be followed. State codes for the first two columns of the State ID are given in Appendix A.

33-37 - Arresting Agency

Use the NCIC code for the agency. This is a five digit code prefaced by the alphabetic state code. The police department should have a copy of all the codes.

38-39 - Charged Offense

This is the offense that appears on the arrest record for which the offender was being held. If multiple offenses are listed on the record, only the most serious offense is to be coded. The police department should have a list of offenses in the order of seriousness. Codes for the offenses are in Appendix B. Definitions for the offenses should be taken from the latest draft of the NCIC Uniform Offense Classification Definitions.

40 - Status at Arrest

Status at arrest indicates if the offender was already in the criminal justice system at the time of his arrest. The status recorded here using the codes provided on the form is determined by action taken in a prior arrest not the present arrest. Code 7 - "not in the system" means that the offender was not in the criminal justice system for a previous offense at the time of his arrest.

Instructions for Pre-Trial  
(Felony) Action Form (CJS-2)

Columns

1-10 - State ID

This should be the same number that was recorded on Form CJS-1 in the first 10 columns.

17-18 - Filing Charged

The offender may be charged with several offenses at the time of the proceeding (arraignments, grand jury hearing, etc.). Choose the most serious offense according to the FBI list of seriousness. Codes for the offenses are in Appendix B (use NCIC definitions).

25-26 - End Offense Charged

At the completion of the proceeding, only the most serious offense (according to the FBI list) the offender was charged with should be recorded.

27 - Cycle Number

Column 27 has been coded for you to indicate which cycle follows. Allowance has been made for five cycles; if more than five occur, fill out a second form beginning with CYCLE 1 again and attach it to the first form. The number of cycles you complete will depend on the number of proceedings that occur. Since several different types of proceedings may occur at the pre-trial action level, seven possible proceeding types are listed on the form in column 28. Each proceeding that occurs requires you to fill out a complete cycle on the form. For example, the first action at this level might be an informational hearing. Code column 28 (proceeding type) CYCLE 1 with a "7". Fill in the appropriate information for columns 29-41 in CYCLE 1, (detailed explanations of columns 29-41 follow). If the disposition (column 30) results in the offender being held for misdemeanor trial (code "6"), a new proceeding should be recorded in CYCLE 2. If the disposition does not result in a new proceeding, leave the remaining cycles blank.

29 - Plea

This is the plea given for the most serious offense charged against the offender. Codes for the plea are on the form.

Columns

30 - Disposition

This is the disposition for the most serious offense charged. Codes for the disposition are on the form.

31 - Release Action

If the disposition (column 30) results in the release of the offender, record the type of release he received in column 31. For example, if the offender is "held for misdemeanor trial" (code "6" in column 30) and is put on bail until the trial, column 31 would be coded "1".

32-34 - Length of Jail Sentence

If a disposition (column 30) results in a jail sentence, record the number of days the offender is sentenced to jail. If the offender received more than one jail sentence, add together the number of days given for each sentence. If the sentences are to run concurrently, record the number of days for the longest sentence.

35-36 - Length of Probation

If a disposition results in a sentence of probation, record the length of the probation in months. If the offender receives more than one probationary sentence, record the total length of time to be spent on probation. If the sentences run concurrently record the longest sentence.

37-41 - \$ Amount of Fine

If a disposition results in a fine, record the amount of the fine. If the offender receives more than one fine, total the amounts.

Instructions for Felony Trial Form (CJS-3)

Columns

1-10 - State ID

This should be the same number recorded in the first 10 columns on Form CJS-1, Offender Characteristics and Police Action.

17-18 - Charged Offense

The offender may be charged with several offenses at the time of the felony trial. Choose the most serious offense according to the FBI list of seriousness. Codes for the offenses are in Appendix B (use NCIC definitions).

33-35 - Total Length of Prison Sentence

Sentences for multiple offenses may run concurrently; therefore, the total length of the sentence to be served may not be the sum of sentence lengths for each offense. If concurrent sentences are set, the longest sentence given is to be recorded in columns 33-35. If only part of the sentences are suspended, sum the remaining portion and record in columns 33-35. If consecutive sentences are given, sum and put the total in columns 33-35. Only the length of time the offender is to actually serve should be recorded.

36-38 - Total Length of Probation

Probation dispositions for multiple offenses may also run concurrently, consecutively, or be suspended. The same instructions for columns 33-35 (total length of prison sentence) apply here.

39-41 - Total Length of Jail Sentence

Use the instructions given for columns 33-35 (total length of prison sentence).

43-47 - Total Amount of Fine

If more than one fine is levied, the sum should be recorded in columns 43-47. If part of the fines are suspended, only the amount that actually is to be paid should be recorded here.

Instructions for Corrections Action Form (CJS-4)

Columns

1-10 - State ID

This should be the same number recorded on Form CJS-1, Offender Characteristics and Police Action, in the first 10 columns.

11 - Cycle Number

This column has already been coded for you to indicate which cycle follows. Several different kinds of action may happen to the offender in the corrections system. He may serve part of a prison sentence and then be paroled. The prison sentence is one cycle, the parole another cycle. All information on the prison sentence would be recorded on the top line following CYCLE 1. Parole information would fall on the second line following CYCLE 2. If all cycles are not used leave blanks.

25 - Change in Status

This column is to record the reason for the discharge. The person may be discharged from one agency and enter into another -- this would require the completion of a new cycle. The codes are on the form.

Instructions for Status-End of Trace (CJS-5)

Columns

1-10 - State ID

This should be the same number recorded on Form CJS-1, Offender Characteristics and Police Action, in the first 10 columns.

11-12 - Status-End of Trace

When an offender exits from the criminal justice system or when he can no longer be traced, this code will summarize his status. All offenders in the sample should have a summary status form. The codes for status are found on the code sheet.

APPENDIX A: STATE CODES

Alabama	AL	Nebraska	NB
Alaska	AK	Nevada	NV
Arizona	AZ	New Hampshire	NH
Arkansas	AR	New Jersey	NJ
		New Mexico	NM
California	CA	New York	NY
Colorado	CO	North Carolina	NC
Connecticut	CT	North Dakota	ND
Delaware	DE	Ohio	OH
District of Columbia	DC	Oklahoma	OK
		Oregon	OR
Florida	FL		
Georgia	GA	Pennsylvania	PA
		Rhode Island	RI
Hawaii	HI		
		South Carolina	SC
Idaho	ID	South Dakota	SD
Illinois	IL		
Indiana	IN	Tennessee	TN
Iowa	IA	Texas	TX
Kansas	KS	Utah	UT
Kentucky	KY		
		Vermont	VT
Louisiana	LA	Virginia	VA
Maine	ME	Washington	WA
Maryland	MD	West Virginia	WV
Massachusetts	MA	Wisconsin	WI
Michigan	MI	Wyoming	WY
Minnesota	MN		
Mississippi	MS		
Missouri	MO		
Montana	MT		

APPENDIX B: OFFENSE CODES  
(Use NCIC Definitions)

01 Sovereignty  
02 Military  
03 Immigration  
09 Homicide  
10 Kidnapping  
11 Sexual Assault  
12 Robbery  
13 Assault  
14 Abortion  
20 Arson  
21 Extortion  
22 Burglary  
23 Larceny  
24 Stolen Vehicle  
25 Forgery  
26 Fraud  
27 Embezzlement  
28 Stolen Property  
29 Property Damage  
35 Dangerous Drugs  
36 Sex Offense  
37 Obscene Material  
38 Family Offense  
39 Gambling  
40 Commercial Sex  
41 Liquor  
48 Obstruct Police  
49 Flight Escape  
50 Obstruct Justice  
51 Bribery  
52 Weapon Offense  
53 Public Peace  
54 Traffic Offense  
55 Health-Safety  
56 Civil Rights  
57 Invade Privacy  
58 Smuggling  
59 Election Laws  
60 Anti-Trust  
61 Tax Revenue  
62 Conservation

GLOSSARY OF CRIMINAL JUSTICE TERMS

The following is a list of some of the terms which describe the data to be collected while tracking felony offenders through the criminal justice system. The definitions were extracted from Black's Law Dictionary by H. C. Black, M.A. (West Publishing Company, St. Paul, Minnesota, 1951), Fourth Edition.



ABSCOND - To go in a clandestine manner out of the jurisdiction of the courts, or to be concealed in order to avoid their process.

ACQUIT - To set free, release or discharge as from obligation, burden or accusation. To legally certify the innocence of one charged with crime.

ARRAIGN - To bring a prisoner to the bar of the court to answer the matter charged upon him in the indictment. The arraignment of a prisoner consists of calling upon him by name, and reading to him the indictment, and demanding of him whether he be found guilty or not guilty, and entering his plea.

ARREST - To deprive a person of his liberty by legal authority. The apprehending or detaining of a person in order to be forthcoming to answer an alleged or suspected crime.

BAIL BOND - A bond executed by a defendant who has been arrested, together with other persons as sureties, naming the sheriff, constable, or marshal as obligee, in a penal sum, conditioned that the defendant shall duly appear to answer to the legal process in the officer's hand.

BOUND - The condition of being constrained by the obligations of a bond or a covenant.

CHARGE - In criminal law, an accusation or oral charge. A formal complaint, information, or indictment.

CITIZEN - A member of a free city or jural society possessing all the rights and privileges which can be enjoyed by any person under its constitution and government, and subject to the corresponding duties.

CIVIL ACTION - An action wherein an issue is presented for trial by averments of complaint and denials of answer or replication to new matters; implies adversary parties and an issue, and is designed for the recovery or vindication of a civil right or the redress of some civil wrong. In contradiction to criminal, it indicates the private rights and remedies of men.

COMMITMENT - The warrant by which a court or magistrate directs an officer to take a person to prison. The act of sending a person to prison by means of such a warrant. A proceeding for restraining and confining of insane persons for their own and the public's protection.

COMMUTATION - The change of a punishment from a greater to a lesser.

CONVICTION - In a general sense, the result of a criminal trial which ends in a judgement or sentence that the prisoner is guilty as charged.

CRIMINAL ACTION - An action which provides for bringing offenders to justice. The proceeding by which a party charged with a public offense is accused and brought to trial and punishment: (1) an action prosecuted by the state as a party, against a person charged with a public offense, for the punishment thereof; (2) an action prosecuted by the state at the instance of an individual to prevent an apprehended crime against his person or property.

CUSTODY - The detainer of a man's person by virtue of lawful process or authority; actual imprisonment. The term is very elastic and may mean actual imprisonment or physical detension or mere power, legal or physical, of imprisonment or of taking manual possession.

DEFENDANT - The party put upon his defense, or summoned to answer a charge or complaint.

DISCHARGE - The act by which a person in confinement, held on an accusation of some crime or misdemeanor, is set at liberty.

DISMISSAL - A release or discharge finally disposing of an action, suit, or motion, etc., by sending it out of court, though without a trial of the issues involved.

DISPOSITION - A giving over to the care or possession of another.

ESCAPE - The departure or deliverance out of custody of a person who was lawfully imprisoned, before he is entitled to his liberty by the process of law.

EVIDENCE - Any species of proof legally presented at a trial of an issue, by the act of the parties or through the medium of witnesses, records, documents, or concrete objects, etc., for the purpose of inducing belief in the minds of the court or jury as to their contention.

FELONY - A crime of a graver or more atrocious nature than those designated as misdemeanor. An offense which may be punishable by death or imprisonment in a penitentiary, not whether such punishment by necessity follows conviction of that offense.

FINE - A pecuniary punishment imposed upon a person convicted of crime or misdemeanor.

GRAND JURY - A jury of inquiry who are summoned and returned by the sheriff to each session of the criminal courts, and whose duty is to receive complaints and accusations in criminal cases, hear the evidence adduced on the part of the state, and find bills of indictment in cases where they are satisfied a trial ought to be held.

GUILTY - The word used by a prisoner in pleading to an indictment when he confesses the crime of which he is charged.

HEARING - Proceeding with definite issues of fact or law to be tried, in which parties proceeded against have right to be heard. Whatever takes place before magistrates clothed with judicial functions and without jury at any stage.

INDICTMENT - An accusation in writing found and presented by a grand jury, legally convoked and sworn, charging that a person therein named has done some act, or been guilty of some omission, which by law is a public offense, punishable on indictment.

JAIL - A building designated by law, or regularly used, for the confinement of persons held in lawful custody. Here taken to mean a place of detention under the authority of a governmental agency lower than the state, particularly a county or city facility.

JUVENILE COURTS - A court having special jurisdiction of paternal nature, over delinquent and neglected children.

JURY - A certain number of men selected according to law, and sworn to inquire of certain matters of fact, and declare the truth upon evidence to be laid before them.

MISDEMEANOR - Offenses lower than felonies and generally those punishable by fine or imprisonment otherwise than in penitentiary.

NOLO CONTENDERE - I will not contest it. The name of a plea in a criminal action, having the same legal effect as a plea of guilty, so far as regards all proceedings on the indictment, and on which the defendant may be sentenced.

OFFENSE - A crime or misdemeanor; a breach of the criminal laws. Generally implies a crime or misdemeanor infringing public as distinguished from mere private rights, and punishable under the criminal laws.

PAROLE - A conditional release from a state penitentiary (prison); condition being that, if prisoner makes good, he will receive an absolute discharge from balance of sentence, but if he does not, he will be returned to serve unexpired time.

PLEA - A pleading; the first pleading on the part of the defendant. The answer which the defendant in an action at law makes to the plaintiff's declaration, and which he sets up matter of fact as defense.

PRISON - A public building or other place for the confinement of safe custody of persons, whether as punishment imposed by the law or otherwise in the course of the administration of justice. A contradistinction to jail, a state penitentiary.

PROBATION - Allowing a person convicted of some minor offense to go at large, under a suspension of sentence, during good behavior, and generally under the supervision or guardianship of a probation officer.

PROCEEDING - The form and manner of conducting juridical business before a court or judicial officer.

RECOGNIZANCE - An obligation of record, entered into before some court of record, with condition to do some particular act; as to appear at the assizes, or criminal court. A species of bail bond given by the prisoner on being bound over for trial.

RELEASE - The relinquishment, concession, or giving up of a right, claim or privilege, by the person in whom it exists or to whom it accrues, to the person against whom it might have been demanded or enforced. The liberation, discharge, or setting free from restraint or confinement.

REVOCATION - The recall of some power, authority, or thing granted.

SENTENCE - The judgement formally pronounced by the court or judge upon the defendant after his conviction in a criminal prosecution, awarding the punishment to be inflicted.

SUPERIOR COURT - Courts of general original jurisdiction which exercise a control or supervision over a system of lower courts, either by appeal, or error. The only thing requisite to enable the court to take cognizance of actions is the acquisition of jurisdiction of persons or parties.

SUPERVISION - An act of occupation of supervision; inspection.

TERMINATE - To put an end to; to make to cease; to end.

TRIAL - A judicial examination in accordance with law of the land, of the issues between the parties, whether of law or fact before a court that has jurisdiction over it. Proceedings in open court after the pleadings are finished and the prosecution is otherwise ready, down to and including rendition of the verdict.

WARRANT - A writ or precept issued by a magistrate, justice, or other competent authority, addressed to a sheriff, constable, or other officer, requiring him to arrest the body of a person therein named, and bring him before the magistrate or court to answer, to be examined, touching some offense which he is charged with having committed.

TECHNICAL APPENDIX II

COMPUTER SOFTWARE TO PROCESS AND  
ANALYZE OFFENDER-BASED TRANSACTIONAL STATISTICS

Technical Memorandum

September 1970

A COMPUTER SYSTEM FOR THE ANALYSIS  
OF OFFENDER-BASED RECORDS  
FOR PROJECT SEARCH

AN OFFENDER-BASED RECORD SYSTEM

A Computer System for the Analysis of  
Offender-Based Records for Project  
SEARCH

Charles M. Friel, Ph.D.

Institute of Contemporary Corrections  
and the Behavioral Sciences  
Sam Houston State University  
Huntsville, Texas

**PROJECT SEARCH**  **SYSTEM FOR ELECTRONIC  
ANALYSIS AND RETRIEVAL  
OF CRIMINAL HISTORIES**

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## AN OFFENDER-BASED RECORD SYSTEM

### A Computer System for the Analysis of Offender-Based Records for Project SEARCH

#### Introduction

One of the primary objectives of Project SEARCH has been to investigate new approaches to the problem of acquisition, analysis and reporting of criminal statistics. Traditionally, criminal statistics have been recorded in such a way that it is not feasible to track an individual defendant from the point of arrest to the point of final disposition within the criminal justice system. This condition exists since each of the separate agencies within criminal justice tend to keep statistical information which is relevant to their responsibilities but not necessarily relevant to the ultimate goals of the administration of justice on a system wide basis. Even more perplexing is the fact that different agencies within the system tend to view the basis for their statistical gathering procedures from different points of view. The law enforcement community, for example, is primarily interested in number of crimes known to police, number of persons arrested, and number of cases cleared. From a statistical point of view the law enforcement community concerns itself more with the number of crimes than the number of criminals. The prosecutor on the other hand, concerns himself more with the number of defendants brought to trial and less with the number of crimes cleared. This problem extends itself throughout the criminal justice system, making it increasingly difficult to derive system wide statistics that might be used in determining the overall efficiency of the administration of justice.

One reasonable alternative to the current status of criminal statistics is the notion of an offender-based or transactional statistical system. By this is meant that the unit of statistical analysis is a defendant himself and the various aspects of his arrest, prosecution, and sentencing as he passes through the criminal justice system. It would seem reasonable that if an offender-based statistical system could be implemented on an ongoing basis, criminal justice administrators could readily seek answers to questions pertinent to the administration of justice which are currently impossible to answer within the confines of contemporary criminal statistics.

It was for this purpose that Project SEARCH implemented a demonstration project in the acquisition, analysis and reporting of offender-based criminal statistics. The responsibility for the design, implementation, and documentation of this demonstration was assigned to the Statistical Task Force and the Statistical Advisory Committee of Project SEARCH and included the active participation of ten states; Arizona, California, Connecticut, Florida, Maryland, Michigan, Minnesota, New York, Washington, and Texas.

As outlined in the DATA COLLECTION MANUAL for the statistical demonstration project, the objectives of this experiment were to:

1. Locate "problem areas" associated with the tracking of offenders through the state criminal justice system.
2. Acquaint state and local personnel with these "problem areas" encountered.
3. Determine the feasibility of conducting the operation on a large scale.
4. Gain knowledge and experience that will aid in developing a satisfactory mechanism for the collection of the desired data on a continuing basis.

5. Demonstrate the production of summary statistics describing each level or stage in the criminal justice process.

The first four objectives of the demonstration project are to be satisfied by the ten participating states in coordination with the Technical Staff of Project SEARCH. The purpose of the present manuscript is to satisfy the requirements of the fifth objective, namely to develop a computer based statistical system for the analysis of offender-based records.

The present document attempts, therefore, to present a system design and accompanying computer software for an offender-based statistical system. The system is designed to operate on an IBM DOS-360-30 system, but is by no means limited to such a hardware complex. The system is also limited in the type of offender-based records it can receive. It has been designed primarily for the analysis of offender-based records as operationally defined in the DATA COLLECTION MANUAL, Project SEARCH. However, with some modification the system's logic can be made compatible with a variety of offender-based records, including the addition of variables over and above those outlined in the DATA COLLECTION MANUAL.



## SYSTEMS DESIGN

The purpose of this section of the report is to describe the computer software developed for the statistical analysis of the offender-based records. The system has three primary design features: first, to edit the input records by making eight validity checks; second, to provide the operator with the capability of selecting any desired subset of defendants with a predetermined set of characteristics so as to statistically compare them with other subsets or the entire data base; and finally to generate descriptive statistics on individual defendants as well as any subset of the data base.

Each program presented below is described in terms of its function and input-output requirements. To facilitate an understanding of the input-output relationships among the various routines, a systems flowchart is included at the end of this section (p. 27). Also included at the end of this section are examples of output formats of the various routines. A listing of each program appears in Appendices A-K.

### PRE-VALIDATE

The purpose of the PRE-VALIDATE routine is to make a variety of validity checks. It receives punch cards containing the offender-based records submitted by each state.

The PRE-VALIDATE makes three validity checks. First, it determines whether the two digit alpha numeric code in the first two columns of the state ID Code corresponds to one of the ten state ID codes of the participating states. Secondly, it determines whether the card number in column 70 of each card is a number between 1 and 5 inclusive. Thirdly, it validates whether the cycle numbers on cards 2 and 4 are numbers between 1 and 5 inclusive.

Aside from these diagnostic checks the PRE-VALIDATE reorders the cycle numbers on cards 2 and 4 and puts them in a common location in column 79.

As will be noticed in the systems flowchart, the PRE-VALIDATE routine has two outputs. When the routine has edited all the offender-based records of a given state it prints a listing of all card images with diagnostic messages identifying any offender-based records which have either an invalid two digit alpha numeric state identification code, an invalid card number, or an invalid cycle number on either card 2 or 4. It then outputs only the valid card images to a tape (c.f. Figure 1, p. 13).

### SORT

The routine SORT receives input from the tape of card images built by the PRE-VALIDATE routine. Its function is to rearrange the card images first sorting on the state identification number, then sorting by card number and finally sorting by cycle number. The routine SORT outputs to a tape.

### EDIT

The routine EDIT receives input from the tape prepared by the routine SORT. One of its functions is to determine whether more than one offender-based record has the same state identification number. In addition, the EDIT routine validates the card numbers for a given record by determining whether each record has a card 1 and a card 5. If the record has a card 5 the EDIT routine searches for card 4 and 3. If the record does contain a card 4 then the routine searches for cards 3 and 2. If either card 3 or card 2 is missing the routine will write an error message (Incomplete Data) and print

the associated state identification number. The same procedure is repeated for card 3. This validity check will not reject a record simply because a defendant did not make it to the Pre-Trial, Trial and Correctional level, but it will reject a record if data was recorded for the defendant at one level and any of the preceding levels are totally blank.

A similar diagnostic check is made to determine if any of the cycles on cards 2 and 4 were skipped. If any cycles were skipped, as opposed to being left blank because the data element was not applicable, the routine will write the error message Incomplete Data and give the state identification number.

The EDIT routine also performs a variety of diagnostic checks to determine the validity of dates. It checks whether the day entered is a number between 1 and 31 and whether the month entered is a number between 1 and 12. It also checks to determine whether the day reported corresponds to the month reported. For example, if the month reported were November, the day recorded must be a number between 1 and 30, while if the month reported were October, the day reported could be a number between 1 and 31. If the data entered for the day or the month for any of the dates in a record is found to be invalid, the EDIT routine will print a diagnostic message indicating the type of error and the state identification of the erroneous record.

Another function of the EDIT routine is to generate time variables. Since Gregorian dates cannot be mathematically manipulated, the EDIT routine converts all dates, other than the date of birth, into a linear function. To do this, the EDIT routine determines the temporal distance between each date of the offender-based

record and the date January 1, 1869. All generated time variables, therefore, are calculated in days except for age at arrest which is calculated as a decimal equivalent in years from the base date.<sup>1</sup> The PRE-VALIDATE routine generates eleven time variables. Each of these variables is calculated by subtracting the respective date from the date of arrest. The time variables include:

1. The time from arrest to entry of the pre-trial phase
2. The time from arrest to entry of the trial phase
3. The time from arrest to entry of the correctional phase
4. The elapsed time of the pre-trial phase
5. The elapsed time of the trial phase
6. The elapsed time of the entire corrections phase
7. The elapsed time of the corrections phase; cycle 1
8. The elapsed time of the corrections phase; cycle 2
9. The elapsed time of the corrections phase; cycle 3
10. The elapsed time of the corrections phase; cycle 4
11. The elapsed time of the corrections phase; cycle 5

As a check on the elapsed time for the entire correctional phase, the EDIT routine sums the elapsed time for cycles 1 through 5 of the correctional phase and compares it with the I/O time for the entire corrections phase. If the two times do not check the routine writes a diagnostic message.

<sup>1</sup>The rationale for choosing January 1, 1869 as the base date is that it will allow a hundred year time span, utilizing a date which is the first day of the first year following a leap year.

Examples of the error messages generated by the EDIT routine are included in Figure 2, p. 15.

Another function of the EDIT routine is to determine whether the data entered for all continuous variables is right justified. For example, the variable concerning the amount of bond allows a five position field for the entry of the amount of bond. If the bond were \$300, the program would check whether the amount of bond was right justified and precede the amount of bond entered with two zeroes.

The EDIT routine outputs a 320 byte record for each subject to a master tape, including all the time variables, which can be used as input to all other statistical routines in the system. The record layout of the card images output to the master tape is included in Appendix L.

#### SELECT

The purpose of the SELECT routine is to allow the operator to analyze any desired subset of the offender-based records. For example, the operator may be interested in comparing various aspects of the prosecution of defendants who were released on bond as compared with those who were not. SELECT routine allows the researcher to pre-select all those individuals who were released on bond and those who were not, storing these groups on a sub-master tape.

The SELECT routine allows the operator to select a subset of offender-based records utilizing 15 conjunctive conditions and 5 disjunctive conditions. After selecting the subset of subjects who portray the various conjunctive and disjunctive conditions set by the operator the program will print a narrative summary of the variables used to select the sample and indicate the number of subjects who were selected in the sample.

The SELECT routine stores a 320 byte record of each subject on a sub-master tape which can be used as input to any of the statistical routines in the system.

#### FRED

The purpose of the routine FRED is to develop a frequency distribution for 92 variables in the offender-based record. A listing of these variables is provided in Appendix M. The routine receives its input from either the master tape or sub-master tape, depending upon whether the operator chooses to utilize the select option in the system.

The routine generates a 2510 byte record for each variable containing the frequency and percentages associated with each unique response type for all 92 variables in the offender-based record and outputs the information to a tape.

#### SKIRT

The purpose of the routine SKIRT is to generate means, standard deviations, and estimates of the skew and kurtosis associated with the distribution of each continuous variable in the offender-based record. A listing of the 36 continuous variables is provided in Appendix N.

The program also calculates the probability that the skew and kurtosis associated with the distribution of each continuous variable departs from a Gaussian distribution.

If blank data exists for any variable the mean is adjusted for missing data by reducing the size of N by the number of records with missing data.

The routine receives input from either the master tape or sub-master tape depending upon whether the operator chooses to use the option of the SELECT routine.

The routine outputs a 96 byte record for each variable and stores it on a tape.

#### SUMSTAT

The purpose of the routine SUMSTAT is to combine the output of the programs FRED and SKIRT. It produces a one page summary for each variable in the offender-based record which combines the frequency distribution of that variable and; if the variable is continuous, its mean, standard deviation, skew and kurtosis. A listing of these variables is provided in Appendix M.

The routine SUMSTAT receives input from the tapes generated by the program FRED and SKIRT as well as input from the translator disk which provides English synonyms for all unique numeric and alpha numeric codes for each variable.

The routine outputs a one page variable summary for each of the 92 variables in the offender-based record. (c.f. examples in Figures 3 and 4, pp. 17-19).

#### HISTOGRAM

The purpose of the routine HISTOGRAM is to develop a bar graph for each of the discrete variables in the offender-based record. A listing of the discrete variables is included in Appendix O. It receives its input from the tape generated by the program FRED and also from the translator disk, which provides English synonyms for each discrete variable.

The routine HISTOGRAM allows the operator to systematically change the scaling unit on the abscissa. The operator may select a scaling unit from 1 to 9 inclusive.

The routine outputs a histogram which describes graphically the distribution of each discrete variable in the offender-based record. An example of the output is included in Figure 5, p. 21.

#### ID PRINT

The purpose of the routine ID PRINT is to develop a one page summary, listing the condition of all discrete and continuous variables for each offender-based record.

It receives input from either the master tape or sub-master tape depending upon whether the operator chooses to use the option of the SELECT routine. It also receives input from the translator disk which provides English synonyms for each unique numeric or alpha numeric code associated with each variable in the offender-based record.

It outputs a one page summary describing each defendant with respect to 109 variables in the offender-based record. A listing of the variables used in ID PRINT is provided in Appendix I. An example of the output is included in Figure 6, pp. 23-25.

#### CODE BUILD

The purpose of the routine CODE BUILD is to develop English synonyms for each of the unique numeric and alpha numeric codes used for each of the 92 variables in the offender-based record.

The routine receives input from a card deck providing the English synonyms (c.f. Appendix P) and outputs to a tape.

CODE TABLE CREATE

The routine CODE TABLE CREATE is a tape to disk utility program which performs an I/O function, transmitting the translator information from the tape built by CODE BUILD to the translator disk.

	DATE	07/28/70	PROJECT SEARCH PRE-VALIDATE
		AZ0024969118	
		AZ002496990222241703010102091968007232412111	1
		AZ00249699092068241003682411121	2 1
		AZ002496991007682422 1009682 2	1
		AZ0024969908	
		AZ0024978408175000 091968007232212111	1
		AZ00249784092068221016682211122	2 1
		AZ002497841016682221 0122694 2 0061	1
		AZ0024978407	
		AZ0024978704184900 092068007003572111	1
		AZ0024978709206835092568351111	1
		AZ0024978705	
		AZ0024979008284700 091968007232212111	1
		AZ0024979009206822093068221112	2 1
		AZ002497900930682221 1217683 2 024	1
		AZ0024979012121768 1	
		AZ0024979012	
		AZ0024979208074901 091968007232212111	1
		AZ0024979209206822093068221125	2 1
INVALID CARD TYPE		AZ0024979212121768 1	
		AZ0024979212	
		AZ0024987003122801 092268007004972121	1
INVALID CYCLE NUMBER		AZ0024987009226849092268490111	4
		AZ0024987005	
		AZ00078558122831191202 04081368007003572122	1
		AZ0007249809056813090968131115	2 1
INVALID STATE CODE		ZZ0004239208026835080568351115 05	1
		AZ00249433100932070301 091368007233512111	1
		AZ00249433091668350924683511121	1
		AZ002494331028683522 0311691	4
		AZ0024943309	

Figure 1

Sample Output from the  
PRE-VALIDATE Routine

DUPLICATE RECORD; CARD=1; CYCLE= ; STATE ID=AZ00023993  
 DUPLICATE RECORD; CARD=2; CYCLE=1; STATE ID=AZ00023993  
 DUPLICATE RECORD; CARD=5; CYCLE= ; STATE ID=AZ00023993  
 INCOMPLETE DATA; STATE I.D.=AZ00072498  
 INVALID DATE FOUND AZ00081877  
 INCOMPLETE DATA; STATE I.D.=AZ00101958  
 INCOMPLETE DATA; STATE I.D.=AZ00156832  
 INCOMPLETE DATA; STATE I.D.=AZ00216078  
 INCOMPLETE DATA; STATE I.D.=AZ00235774  
 INCOMPLETE DATA; STATE I.D.=AZ00244335  
 INVALID DATE FOUND AZ00247659  
 INVALID DATE FOUND AZ00247843  
 INCOMPLETE DATA; STATE I.D.=AZ00248346  
 INCOMPLETE DATA; STATE I.D.=AZ00248397  
 INCOMPLETE DATA; STATE I.D.=AZ00248450  
 DUPLICATE RECORD; CARD=1; CYCLE= ; STATE ID=AZ00248530  
 DUPLICATE RECORD; CARD=2; CYCLE=1; STATE ID=AZ00248530  
 DUPLICATE RECORD; CARD=5; CYCLE= ; STATE ID=AZ00248530  
 INVALID DATE FOUND AZ00248590  
 DUPLICATE RECORD; CARD=3; CYCLE= ; STATE ID=AZ00248937  
 DUPLICATE RECORD; CARD=5; CYCLE= ; STATE ID=AZ00248937  
 INCOMPLETE DATA; STATE I.D.=AZ00249136  
 INVALID DATE FOUND AZ00249205  
 INVALID DATE FOUND AZ00249221  
 INCOMPLETE DATA; STATE I.D.=AZ00249225

Figure 2

Sample Output from the  
EDIT Routine

PRIOR RECORD OFF. CHARGED  
FREQUENCY DISTRIBUTION TABLE

RESPONSE	FREQUENCY	PERCENTAGE
HOMICIDE	3	1.26
KIDNAPPING	3	1.26
SEXUAL ASSAULT	16	6.75
ROBBERY	8	3.37
ASSAULT	35	14.76
EXTORTION	1	.42
BURGLARY	49	20.67
LARCENY	9	3.79
STOLEN VEHICLE	17	7.17
FORGERY	13	5.48
FRAUD	7	2.95
EMBEZZLEMENT	5	2.10
STOLEN PROPERTY	6	2.53
DANGEROUS DRUGS	58	24.47
FAMILY OFFENSE	1	.42
FLIGHT ESCAPE	2	.84
WEAPON OFFENSE	4	1.68
TOTALS	237	100.00

Figure 3

Sample Output of a Discrete  
Variable from the SUMSTAT  
Routine

PRIOR RECORD # ARREST

MEAN = +00007.77906      STANDARD DEVIATION = +00008.76820  
 SKEW = +00005.08522      PROBABILITY      =      +00000.00010  
 KURTOSIS = +00006.20721      PROBABILITY      =      +00000.00010

FREQUENCY DISTRIBUTION TABLE

RESPONSE	FREQUENCY	PERCENTAGE
	33	13.92
00	32	13.50
01	32	13.50
02	19	8.01
03	23	9.70
04	15	6.32
05	9	3.79
06	9	3.79
07	7	2.95
08	9	3.79
09	3	1.26
10	4	1.68
11	3	1.26
12	5	2.10
13	3	1.26
14	1	.42
15	3	1.26
16	2	.84
17	5	2.10
18	2	.84
19	3	1.26
22	1	.42
23	3	1.26
24	2	.84
25	2	.84
27	1	.42
30	1	.42
31	1	.42
35	1	.42
39	1	.42
48	1	.42
52	1	.42
TOTALS	237	100.00

Figure 4

Sample Output of a Continuous  
 Variable from the SUMSTAT  
 Routine

PROJECT SEARCH

DATE 07-28-70

PLOT OF RACE

PAGE 00

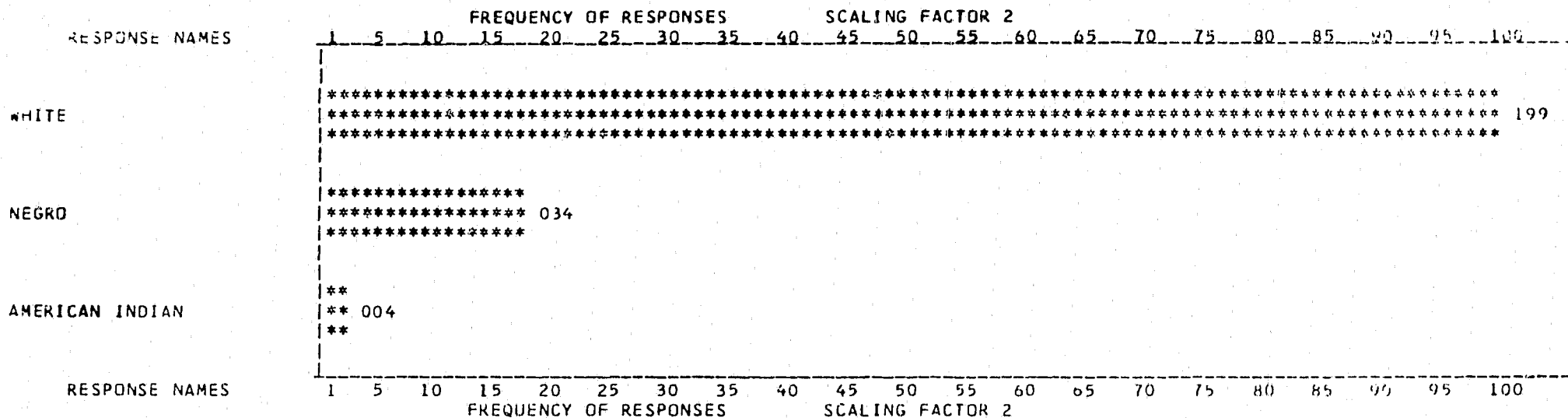


Figure 5

Sample Output from the HISTOGRAM Routine



DATE OF BIRTH = 070532  
 PRIOR RECORD + CONVICTION = 04  
 NUMBER OF DAYS JAIL > 90 =  
 PRIOR RECORD DATE ARREST = 082568  
 PRIOR RECORD OFF. CHARGED = BURGLARY  
 TYPT OF ARREST = WARRANT  
 SEX = MALE  
 FILING DATE = 082668  
 END OFFENSE CHARGED = BURGLARY  
 DATE-END PRE-TRIAL ACTION = 091768  
 CYCLE 1 PLEA = NOT GUILTY  
 CYCLE 1 RELEASE ACTION = INVALID RESPONSE  
 CYCLE 1 LENGTH PROBATION =  
 CYCLE 2 PROCEEDING TYPE = BLANK  
 CYCLE 2 DISPOSITION = BLANK  
 CYCLE 2 JAIL SENTENCE =  
 CYCLE 2 \$ AMOUNT OF FINE =  
 CYCLE 3 PLEA = BLANK  
 CYCLE 3 RELEASE ACTION = BLANK  
 CYCLE 3 LENGTH PROBATION =  
 CYCLE 4 PROCEEDING TYPE = BLANK  
 CYCLE 4 DISPOSITION = BLANK  
 CYCLE 4 JAIL SENTENCE =  
 CYCLE 4 \$ AMOUNT OF FINE =  
 CYCLE 5 PLEA = BLANK  
 CYCLE 5 RELEASE ACTION = BLANK  
 CYCLE 5 LENGTH PROBATION =  
 FELONY TRIAL CHARGED OFF. = BURGLARY  
 FELONY TRIAL FINAL PLEA = GUILTY  
 FELONY TRIAL TYPE = BLANK  
 FELONY TRIAL DATE DEPOS. = 112168  
 FELONY TRIAL W/ SUP. SENT = NO  
 FELONY TRIAL REAS. DISMISS = BLANK  
 FELONY TRIAL PRE-SENT. REP = BLANK  
 FELONY TRIAL TOTAL PROB. =  
 CORR. 1 RECEIVING AGENCY = STATE INSTITUTION  
 CORR. 1 DATE DIS. AGENCY = 012570  
 CORR. 2 RECEIVING AGENCY = BLANK  
 CORR. 2 DATE DIS. AGENCY =  
 CORR. 3 RECEIVING AGENCY = BLANK  
 CORR. 3 DATE DIS. AGENCY =  
 CORR. 4 RECEIVING AGENCY = BLANK  
 CORR. 4 DATE DIS. AGENCY =  
 CORR. 5 RECEIVING AGENCY = BLANK  
 CORR. 5 DATE DIS. AGENCY =  
 PRIOR REC. SYSTEM STATUS = BLANK  
 FELONY TRIAL SYS. STATUS = CONTINUE TO NEXT LEVEL

S E A R C H

PRIOR RECORD + ARRESTS = 23  
 NUMBER OF DAYS JAIL < 90 = 02  
 PRIOR RECORD + PRISON = 01  
 PRIOR RECORD ARREST AGENT = 00723  
 STATUS AT ARREST = NOT IN SYSTEM  
 POLICE DISPOSITION = FELONY CHARGE  
 RACE = NEGRO  
 FILING CHARGE = BURGLARY  
 TYPE COUNSEL = PUBLIC  
 CYCLE 1 PROCEEDING TYPE = ARRAIGNMENT  
 CYCLE 1 DISPOSITION = BOUND OVER SUPERIOR COURT  
 CYCLE 1 JAIL SENTENCE =  
 CYCLE 1 \$ AMOUNT OF FINE =  
 CYCLE 2 PLEA = BLANK  
 CYCLE 2 RELEASE ACTION = BLANK  
 CYCLE 2 LENGTH PROBATION =  
 CYCLE 3 PROCEEDING TYPE = BLANK  
 CYCLE 3 DISPOSITION = BLANK  
 CYCLE 3 JAIL SENTENCE =  
 CYCLE 3 \$ AMOUNT OF FINE =  
 CYCLE 4 PLEA = BLANK  
 CYCLE 4 RELEASE ACTION = BLANK  
 CYCLE 4 LENGTH PROBATION =  
 CYCLE 5 PROCEEDING TYPE = BLANK  
 CYCLE 5 DISPOSITION = BLANK  
 CYCLE 5 JAIL SENTENCE =  
 CYCLE 5 \$ AMOUNT OF FINE =  
 FELONY TRIAL INITIAL PLEA = NOT GUILTY  
 FELONY TRIAL DATE FILING = 100868  
 FELONY TRIAL REL. ACTION = CUSTODY  
 FELONY TRIAL \$ AMT FINE =  
 FELONY TRIAL DISPOSITION = CONVICTED OF FELONY  
 FELONY TRIAL TYPE COUNSEL = PUBLIC  
 FELONY TRIAL TOTAL PRISON = 019  
 FELONY TRIAL TOTAL JAIL =  
 CORR. 1 DATE ENTER AGENCY = 082568  
 CORR. 1 CHANGE IN STATUS = TECHNICAL REVOCATION  
 CORR. 2 DATE ENTER AGENCY =  
 CORR. 2 CHANGE IN STATUS = BLANK  
 CORR. 3 DATE ENTER AGENCY =  
 CORR. 3 CHANGE IN STATUS = BLANK  
 CORR. 4 DATE ENTER AGENCY =  
 CORR. 4 CHANGE IN STATUS = BLANK  
 CORR. 5 DATE ENTER AGENCY =  
 CORR. 5 CHANGE IN STATUS = BLANK  
 PRE-TRIAL SYSTEM STATUS = BLANK  
 CORR. ACTION SYSTEM STATUS = CONTINUE TO NEXT LEVEL

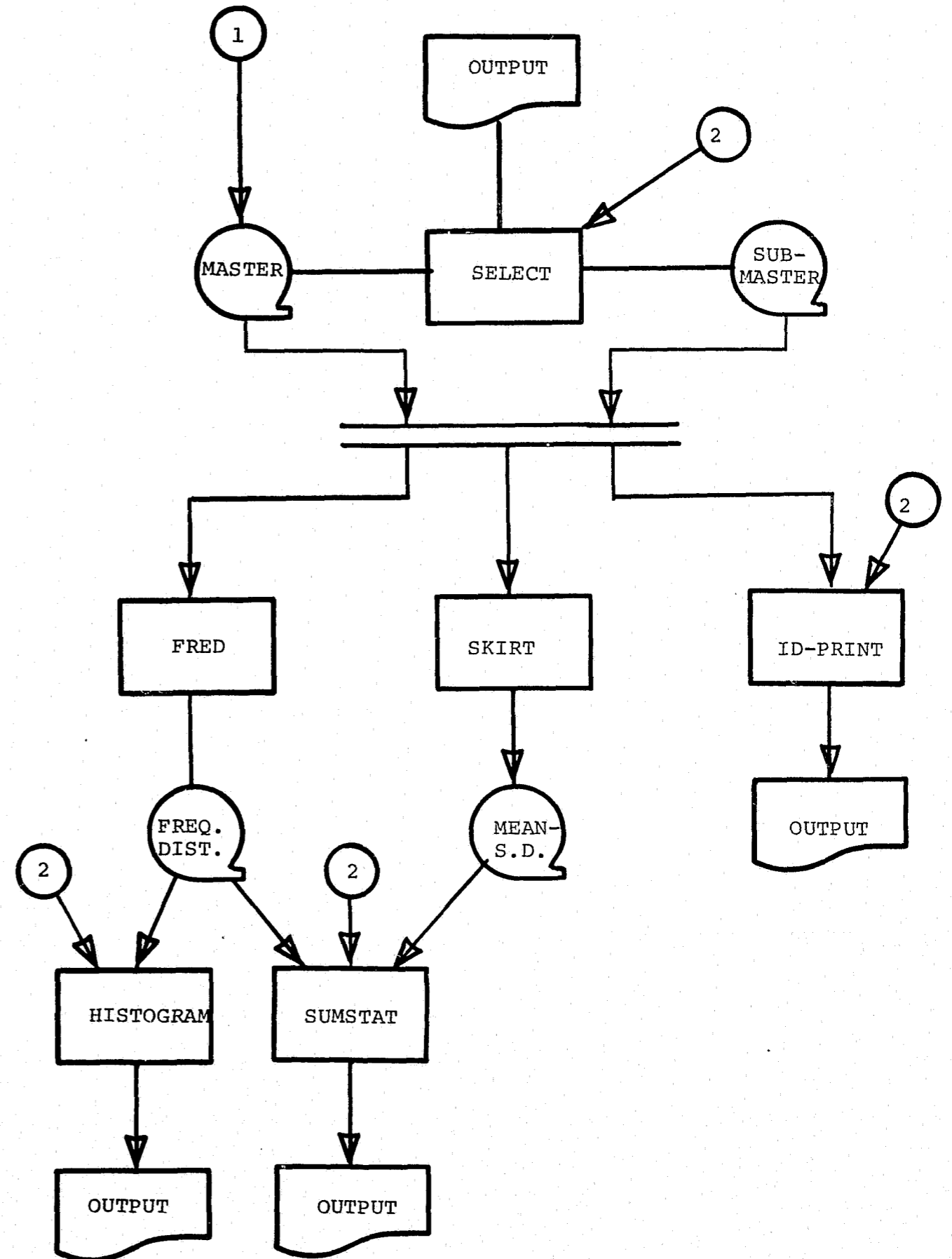
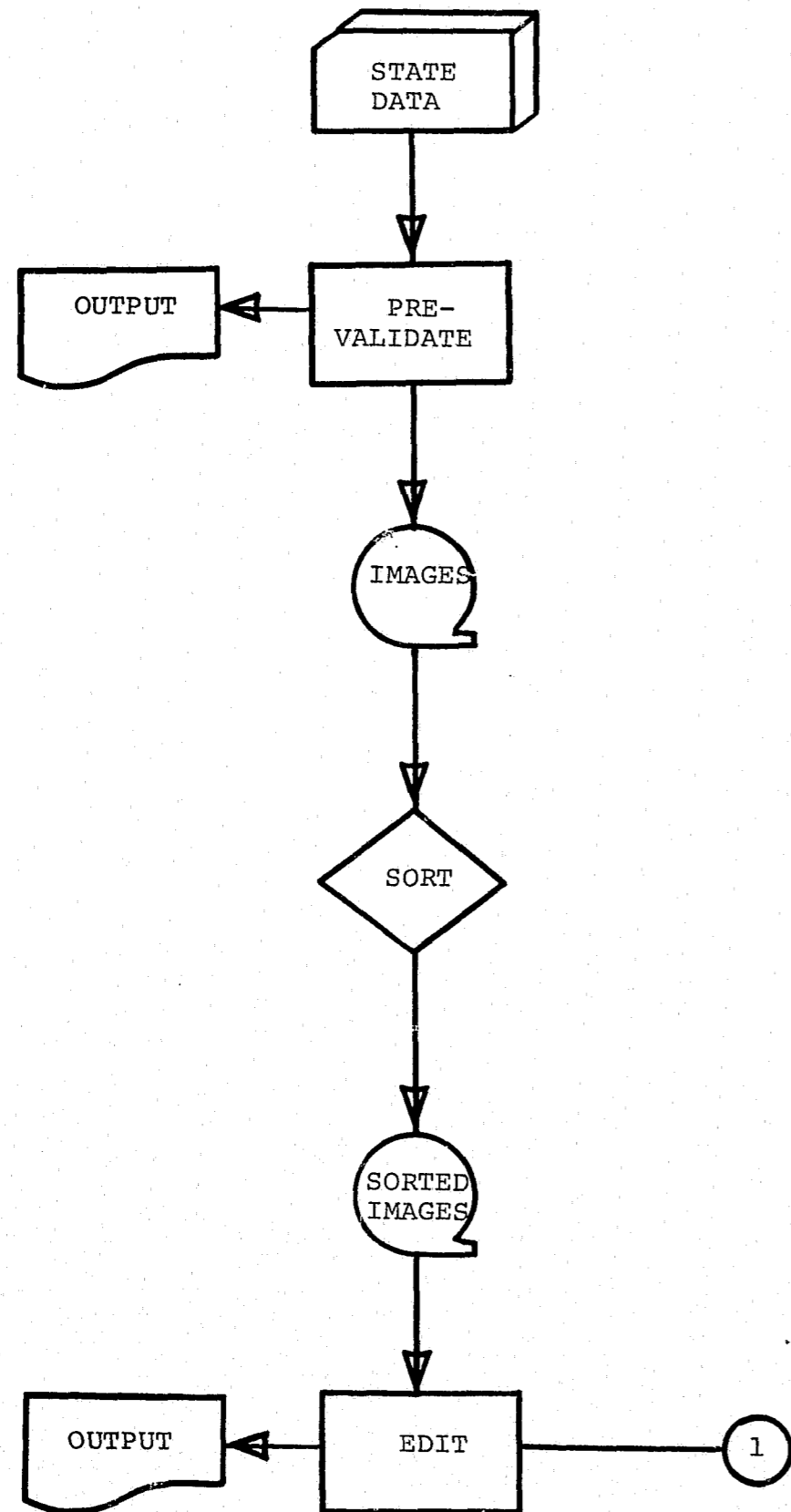
Figure 6  
 Sample Output from the ID PRINT  
 Routine

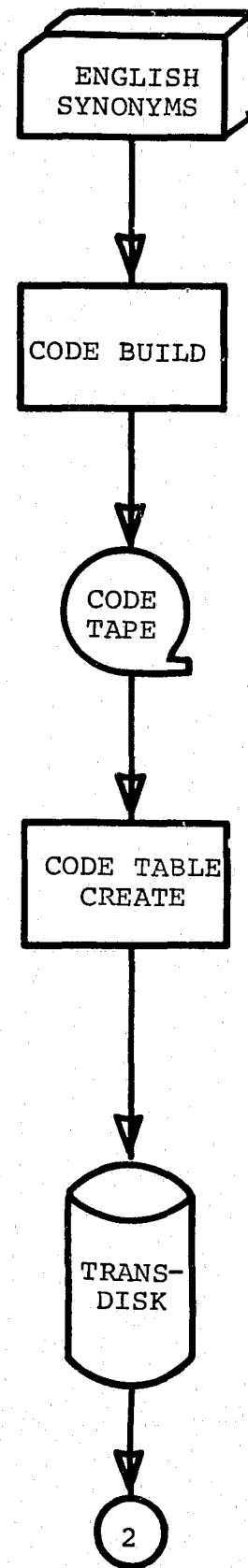
STATUS AT END OF TRACE = PAROLE  
ARREST TO FILING PRETRIAL = 0001  
ARREST TO ENT.CYCLE1 CORR = 0000  
I/O TRIAL = 0044  
I/O CORRECTIONS CYCLE 1 = 0519  
I/O CORRECTIONS CYCLE 3 =  
I/O CORRECTIONS CYCLE 5 =

AGE AT ARREST = 0361  
ARREST TO FILING TRIAL = 0044  
I/O PRE-TRIAL = 0022  
I/O CORRECTIONS TOTAL = 0519  
I/O CORRECTIONS CYCLE 2 =  
I/O CORRECTIONS CYCLE 4 =

Figure 6 (Con't.)  
Sample Output from the ID PRINT  
Routine

SYSTEMS FLOW DIAGRAM FOR ANALYSIS  
OF OFFENDER-BASED RECORDS





APPENDIX A  
Listing of PRE VALIDATE Program

```

* TITLE: SEARCH PRE-VALIDATE
* AUTHOR: JACK L. ULSH
* DATE: JUNE 10,1970
* INPUT TYPE LOGICAL UNIT NAME TYPE FILE
* CARD SYSRDR
* OUTPUT TYPE LOGICAL UNIT NAME TYPE FILE
* TAPE SYS007 PRE-EDIT SEQUENTIAL
* PRINT SYSLST
* REMARKS:
* THIS PROGRAM PERFORMS A PRELIMINARY VALIDATE OF
* STATE CODE,CARD NUMBER,AND CYCLE NUMBER. THE FIRST TWO
* CHARACTERS OF STATE CODE MUST BE ONE OF THE TEN
* PARTICIPATING STATES. EACH CARD MUST CONTAIN A CARD
* NUMBER AND A CYCLE NUMBER BOTH BEING GREATER THAN ZERO
* LESS THAN FIVE.
* ERROR MESSAGES:
* INVALID STATE CODE
* INVALID CARD TYPE
* INVALID CYCLE NUMBER

```

```

PRE-VAL START X'2850'
CARD DTFCO
DEVADDR=SYSRDR,
IOAREA1=CAREA,
BLKSIZE=80,
DEVICE=2540,
EOFADDR=ENDC,

```

X  
X  
X  
X  
X  
X

```

RECFORM=FIXUNB,
TYPEFLE=INPUT
TAPEOUT EJECT DTFMT
BLKSIZE=800,
DEVADDR=SYS007,
FILABL=STD,
IOAREA1=BUF1,
IOAREA2=BUF2,
RECFORM=FIXBLK,
RECSIZE=80,
TYPEFLE=OUTPUT,
WORKA=YES
PRINT EJECT DTFPR
DEVADDR=SYSLST,
IOAREA1=PAREA,
BLKSIZE=133,
CTLCHR=ASA,
DEVICE=1403,
PRINTOV=YES,
RECFORM=FIXUNB
BEGIN EJECT BALR 2,0
USING FIRST,2,3,4,5
FIRST LM 3,5,BASE
B GO
BASE DC A(FIRST+4096)
DC A(FIRST+8192)
DC A(FIRST+12288)
BUF1 DS CL800
BUF2 DS CL800
T DS CL80
CAREA DS CL80
PAREA DC CL133'1'
TSTRT DS OD
DC C'AZ'
DC C'CA'
DC C'CT'
DC C'FL'
DC C'MD'
DC C'MI'
DC C'MN'
DC C'NY'
DC C'TX'
TEND DC C'WA'
MSG1 DC CL18'INVALID STATE CODE'
MSG2 DC CL17'INVALID CARD TYPE'

```

```

MSG3  DC  CL20'INVALID CYCLE NUMBER'
DATE  DS  CL8
GO    OPEN CARD,TAPEOUT,PRINT
      COMRG
      MVC  DATE,0(1)
GETCARD BAL 6,HEADER
      GET  CARD
      MVC  PAREA+26(80),CAREA
      LA  6,TSTRT
      LA  7,TEND
TRYNXT CLC 0(2,6),CAREA
      BE  PASS
      A  6,=F'2'
      CR  7,6
      BH  TRYNXT
      MVC  PAREA+1(18),MSG1
      BAL  6,PP
      B  GETCARD
PASS  CLI  CAREA+79,C'1'
      BE  OK
      CLI  CAREA+79,C'3'
      BE  OK
      CLI  CAREA+79,C'5'
      BE  OK
      CLI  CAREA+79,C'2'
      BE  TYP2
      CLI  CAREA+79,C'4'
      BE  TYP4
      MVC  PAREA+1(17),MSG2
      BAL  6,PP
      B  GETCARD
OK    PUT  TAPEOUT,CAREA
      BAL  6,PP
      B  GETCARD
TYP2  MVC  CAREA+78(1),CAREA+26
      B  TSTCYC
TYP4  MVC  CAREA+78(1),CAREA+10
TSTCYC CLI  CAREA+78,C'1'
      BE  OK
      CLI  CAREA+78,C'2'
      BE  OK
      CLI  CAREA+78,C'3'
      BE  OK
      CLI  CAREA+78,C'4'
      BE  OK
      CLI  CAREA+78,C'5'
      BE  OK
      MVC  PAREA+1(20),MSG3

```

```

PP    BAL 6,PP
      B  GETCARD
      PUT PRINT
      MVI PAREA,X'40'
      MVC PAREA+1(132),PAREA
      PRTOV PRINT,12,HEADER
      BR  6
HEADER LR 7,6
      MVC PAREA+50(27),=C'PROJECT SEARCH PRE-VALIDATE'
      MVI PAREA,X'F1'
      BAL 6,PP
      MVC PAREA+20(4),=C'DATE'
      MVC PAREA+26(8),DATE
      MVC PAREA+111(6),=X'402020202020'
      ED  PAREA+111(6),PGNUM
      MVC PAREA+108(4),=C'PAGE'
      BAL 6,PP
      AP  PGNUM,=P'1'
      BR  7
PGNUM DC  PL3'1'
ENDC  CLOSE CARD
      CLOSE TAPEOUT
      CLOSE PRINT
      EOJ
      LTORG
      END  BEGIN

```

APPENDIX B  
Listing of SORT Program

```
*      TITLE:  PRE-EDIT-SORT
*      INPUT   TYPE   LOGICAL UNIT   FILE NAME   TYPE FILE
*              TAPE   SYS001         PRE-EDIT   SEQUENTIAL
*      OUTPUT  TYPE   LOGICAL UNIT   FILE NAME   TYPE FILE
*              TAPE   SYS002         PRE-EDIT   SEQUENTIAL
*
*      REMARKS:
*
*              THIS PROGRAM READS THE TAPE FILE CREATED BY
*      PRE-VALIDATE ROUTINE. IT SORTS RECORDS ACCORDING TO
*      STATE ID. AND CARD NUMBER.
```

```
///ASSGN SYS001,X'181'
///ASSGN SYS002,X'181'
///TLBL SORTIN1
///TLBL SORTOUT,'SEARCH01',0007,999021,0001,0001,0001,01
///EXEC SORT
/SORT FIELDS=(1,10,A,80,1,A,79,1,A),FORMAT=BI,WORK=3
/RECORD TYPE=F,LENGTH=(80,,80)
/INPFIL BLKSIZE=800
/OUTFIL BLKSIZE=800
/END
```

APPENDIX C  
 Listing of EDIT Program

```

*      TITLE:   EDIT
*
*      AUTHOR:  JACK L. ULSH
*
*      DATE:    JULY 3,1970
*
*      INPUT   TYPE      LOGICAL UNIT   NAME      TYPE FILE
*
*              TAPE      SYS007        PRE-EDIT  SEQUENTIAL
*
*      OUTPUT  TYPE      LOGICAL UNIT   NAME      TYPE FILE
*
*              TAPE      SYS008        MASTER   SEQUENTIAL
*
*              PRINT     SYS009
*
*      REMARKS:
*
*      THIS PROGRAM VALIDATES DATA TO INSURE A COMPLETE DATA SET
*
*      FOR EACH STATE ID. DUPLICATE RECORDS OF CARD NUMBERS,
*
*      CYCLE NUMBERS,AND STATE ID. ARE NOT PERMITTED. ALL
*
*      DATES ARE CHECKED AND THE FINAL OUTPUT IS A STATE
*
*      MASTER FILE.
*
*      ERROR MESSAGES:
*
*              INCOMPLETE DATA; STATE I.D.=
*
*              DUPLICATE RECORD; CARD= ; CYCLE= ; STATE ID=
*
*              INVALID DATE FOUND
  
```

```

MACRO
&NAME  FILL  &A,&B
&NAME  L    11,=A(&A)
        L    12,=A(&B)
        TM  0(12),X'FO'
        BND *+26
        SR  12,11
        TM  0(11),X'FO'
  
```



```

BO      *+16
MVI    0(11),X'F0'
A      11,=F'1'
BCT    12,*-16
MEND
EDIT   START X'2850'
TAPEIN DTFMT
      BLKSIZE=800,
      DEVADDR=SYS007,
      EOFADDR=ENDT,
      FILABL=STD,
      IOAREA1=IN1,
      IOAREA2=IN2,
      IOREG=(2),
      RECFORM=FIXBLK,
      RECSIZE=80,
      TYPEFLE=INPUT
TAPEOUT EJECT
DTFMT   RECSIZE=320,
      RECFORM=FIXBLK,
      IOREG=(3),
      IOAREA2=OUT2,
      IOAREA1=OUT1,
      FILABL=STD,
      DEVADDR=SYS008,
      BLKSIZE=3200,
      TYPEFLE=OUTPUT
PRINT  EJECT
DTFPR   DEVADDR=SYS009,
      IOAREA1=PAREA,
      BLKSIZE=133,
      CTLCHR=ASA,
      DEVICE=1403,
      PRINTOV=YES,
      RECFORM=FIXUNB
BEGIN  EJECT
BALR   4,0
USING  FIRST,4,5,6,7
FIRST  LM   5,7,BASE
B      GO
BASE   DC   A(FIRST+4096)
      DC   A(FIRST+8192)
      DC   A(FIRST+12288)
IN1    DS   CL800
IN2    DS   CL800
OUT1   DC   20CL160'

```

```

OUT2   DC   20CL160'
CASCADE DC   CL1'
PAREA  DC   CL133'1'
THISCODE DC CL10'
CRDSWS DC   X'00'
CY1SWS DC   X'00'
CY2SWS DC   X'00'
IRG    EQU   2
ORG    EQU   3
TMPSWS DS   CL1
DOUBLE DS   D
NUMB   DS   D
ARREST DS   D
SAVEDT01 DS D
MONTHS DC   C'01'
      DC   PL2'0'
      DC   C'02'
      DC   PL2'31'
      DC   C'03'
      DC   PL2'59'
      DC   C'04'
      DC   PL2'90'
      DC   C'05'
      DC   PL2'120'
      DC   C'06'
      DC   PL2'151'
      DC   C'07'
      DC   PL2'181'
      DC   C'08'
      DC   PL2'212'
      DC   C'09'
      DC   PL2'243'
      DC   C'10'
      DC   PL2'273'
      DC   C'11'
      DC   PL2'304'
      DC   C'12'
      DC   PL2'334'
ENDMONTH DC
EJECT
GT      GET   TAPEIN
      BR     8
TEMP   DS   CL320
PT     MVC   TEMP(160),0(ORG)
      MVC   TEMP+160(160),160(ORG)
      FILL  TEMP+16,TEMP+17
      FILL  TEMP+18,TEMP+19
      FILL  TEMP+20,TEMP+21
      FILL  TEMP+22,TEMP+23

```

COMMON READ TAPE MACRO

```

FILL TEMP+24,TEMP+25
FILL TEMP+70,TEMP+72
FILL TEMP+73,TEMP+74
FILL TEMP+75,TEMP+79
FILL TEMP+84,TEMP+86
FILL TEMP+87,TEMP+88
FILL TEMP+89,TEMP+93
FILL TEMP+98,TEMP+100
FILL TEMP+101,TEMP+102
FILL TEMP+103,TEMP+107
FILL TEMP+112,TEMP+114
FILL TEMP+115,TEMP+116
FILL TEMP+117,TEMP+121
FILL TEMP+126,TEMP+128
FILL TEMP+129,TEMP+130
FILL TEMP+131,TEMP+135
FILL TEMP+154,TEMP+158
FILL TEMP+164,TEMP+166
FILL TEMP+167,TEMP+169
FILL TEMP+170,TEMP+172
MVC 0(160,ORG),TEMP
MVC 160(160,ORG),TEMP+160
PUT TAPEOUT
BR 8
PP PUT PRINT COMMON PRINT MACRO
MVC PAREA,CASCADE FILL AREA WITH BLANKS
BR 8
GO OPEN TAPEIN,TAPEOUT,PRINT
BAL 8,GT
MVC THISCODE,0(1RG) READ FIRST RECORD
LOOP CLI 79(1RG),C'1' STORE STATE ID
BE PROS1 IF CARD TYPE IS 1
CLI 79(1RG),C'2' GO TO PROCESS 1
BE PROS2 IF CARD TYPE IS 2
CLI 79(1RG),C'3' GO TO PROCESS 2
BE PROS3 IF CARD TYPE IS 3
CLI 79(1RG),C'4' GO TO PROCESS 3
BE PROS4 IF CARD TYPE IS 4
TM CRDSWS,X'08' DUPLICATE CARD 5?
BO DUPLICATE YES GO WRITE MSG
OI CRDSWS,X'08' TURN ON CARD 5 SWITCH
MVC 247(2,ORG),10(1RG) STORE STATUS AT END
B READNEXT GO TO READ ANOTHER
PROS1 EJECT
TM CRDSWS,X'80' DUPLICATE CARD1?
BO DUPLICATE YES GO WRITE MSG
OI CRDSWS,X'80' TURN ON CARD 1 SWITCH

```

```

MVC 0(10,ORG),0(1RG) STORE STATE ID
MVC 10(6,ORG),10(1RG) STORE DATE OF BIRTH
MVC 16(10,ORG),16(1RG) STORE PRIOR RECORD
MVC 26(16,ORG),26(1RG) STORE ARREST INFO
MVC 42(2,ORG),42(1RG) STORE SEX AND RACE
* MVC 243(1,ORG),70(1RG) STORE SYSTEM STATUS
MVC 243(1,ORG),46(1RG) STORE SYSTEM STATUS
B READNEXT GO TO READ ANOTHER
EJECT
PROS2 OI CRDSWS,X'40' TURN ON CARD 2 SWITCH
CLI 78(1RG),C'1' IF CYCLE IS 1 GO
BE CYC21 TO PROCESS CYCLE 1
CLI 78(1RG),C'2' IF CYCLE IS 2 GO
BE CYC22 TO PROCESS CYCLE 2
CLI 78(1RG),C'3' IF CYCLE IS 3 GO
BE CYC23 TO PROCESS CYCLE 3
CLI 78(1RG),C'4' IF CYCLE IS 4 GO
BE CYC24 TO PROCESS CYCLE 4
TM CY1SWS,X'08' DUPLICATE CYCLE 5?
BO DUPLICATE YES GO WRITE MSG
OI CY1SWS,X'08' TURN ON CYCLE 5 SWITCH
MVC 122(14,ORG),27(1RG) STORE COMPLETE CYCLE 5
B READNEXT GO TO READ ANOTHER
SPACE
CYC21 TM CY1SWS,X'80' DUPLICATE CYCLE 1?
BO DUPLICATE YES GO TO WRITE MSG
OI CY1SWS,X'80' TURN ON CYCLE 1 SWITCH
MVC 49(6,ORG),10(1RG) STORE FILING DATE
MVC 55(2,ORG),16(1RG) STORE FILING CHARGE
MVC 57(2,ORG),24(1RG) STORE END CHARGE
MVC 59(1,ORG),41(1RG) STORE TYPE COUNSEL
MVC 60(6,ORG),18(1RG) STORE DATE-END PRE-TRIAL
* MVC 244(1,ORG),70(1RG) STORE SYSTEM STATUS
MVC 244(1,ORG),43(1RG) STORE SYSTEM STATUS
MVC 66(14,ORG),27(1RG) STORE COMPLETE CYCLE 1
B READNEXT GO TO READ ANOTHER
SPACE
CYC22 TM CY1SWS,X'40' DUPLICATE CYCLE2?
BO DUPLICATE YES GO TO WRITE MSG
OI CY1SWS,X'40' TURN ON CYCLE 2 SWITCH
MVC 80(14,ORG),27(1RG) STORE COMPLETE CYCLE 2
B READNEXT GO TO READ ANOTHER
SPACE
CYC23 TM CY1SWS,X'20' DUPLICATE CYCLE 3?
BO DUPLICATE YES GO TO WRITE MSG
OI CY1SWS,X'20' TURN ON CYCLE 3 SWITCH
MVC 94(14,ORG),27(1RG) STORE COMPLETE CYCLE 3
B READNEXT GO TO READ ANOTHER

```

CYC24	SPACE TM CY1SWS,X'10' BO DUPLICATE OI CY1SWS,X'10' MVC 108(14,ORG),27(1RG) B READNEXT EJECT	DUPLICATE CYCLE 4? YES GO TO WRITE MSG TURN ON CYCLE 4 SWITCH STORE COMPLETE CYCLE 4 GO TO READ ANOTHER
PROS3	TM CRDSWS,X'20' BO DUPLICATE OI CRDSWS,X'20' MVC 136(4,ORG),16(1RG) MVC 140(6,ORG),10(1RG) MVC 146(2,ORG),20(1RG) MVC 148(6,ORG),22(1RG) MVC 154(5,ORG),42(1RG) MVC 159(1,ORG),41(1RG) MVC 160(4,ORG),28(1RG) MVC 164(9,ORG),32(1RG) * MVC 245(1,ORG),70(1RG) MVC 245(1,ORG),48(1RG) B READNEXT EJECT	DUPLICATE CARD 3? YES GO WRITE MSG TURN ON CARD 3 SWITCH STORE OFFENSE AND PLEA STORE DATE OF FILING STORE TYPE TRIAL AND RELSASE STORE DATE OF DISPOSITION STORE FINE AMOUNT STORE NON-SUPER. SENT. STORE DIS. DISMIS. COUN. PRE-ST STORE PRISON PROBATION JAIL STORE SYSTEM STATUS STORE SYSTEM STATUS GO TO READ ANOTHER
PROS4	OI CRDSWS,X'10' CLI 78(1RG),C'1' BE CYC41 CLI 78(1RG),C'2' BE CYC42 CLI 78(1RG),C'3' BE CYC43 CLI 78(1RG),C'4' BE CYC44 TM CY2SWS,X'08' BO DUPLICATE OI CY2SWS,X'08' MVC 229(14,ORG),11(1RG) B READNEXT SPACE	TURN ON CARD 4 SWITCH IF CYCLE IS 1 GO TO PROCESS CYCLE 1 IF CYCLE IS 2 GO TO PROCESS CYCLE 2 IF CYCLE IS 3 GO TO PROCESS CYCLE 3 IF CYCLE IS 4 GO TO PROCESS CYCLE 4 DUPLICATE CYCLE 5? YES GO WRITE MSG TURN ON CYCLE 5 SWITCH STORE COMPLETE CYCLE 5 GO TO READ ANOTHER
CYC41	TM CY2SWS,X'80' BO DUPLICATE OI CY2SWS,X'80' * MVC 246(1,ORG),70(1RG) MVC 246(1,ORG),26(1RG) MVC 173(14,ORG),11(1RG) B READNEXT SPACE	DUPLICATE CYCLE 1? YES GO WRITE MSG TURN ON CYCLE 1 SWITCH STORE SYSTEM STATUS STORE SYSTEM STATUS STORE COMPLETE CYCLE 1 GO TO READ ANOTHER
CYC42	TM CY2SWS,X'40' BO DUPLICATE OI CY2SWS,X'40'	DUPLICATE CYCLE 2? YES GO WRITE MSG TURN ON CYCLE 2 SWITCH

	MVC 187(14,ORG),11(1RG) B READNEXT SPACE	STORE COMPLETE CYCLE 2 GO TO READ ANOTHER
CYC43	TM CY2SWS,X'20' BO DUPLICATE OI CY2SWS,X'20' MVC 201(14,ORG),11(1RG) B READNEXT SPACE	DUPLICATE CYCLE 3? YES GO WRITE MSG TURN ON CYCLE 3 SWITCH STORE COMPLETE CYCLE 3 GO TO READ ANOTHER
CYC44	TM CY2SWS,X'10' BO DUPLICATE OI CY2SWS,X'10' MVC 215(14,ORG),11(1RG) EJECT	DUPLICATE CYCLE 4? YES GO WRITE MSG TURN ON CYCLE 4 SWITCH STORE COMPLETE CYCLE 4
READNEXT	BAL 3,GT CLC THISCODE,0(1RG) BE LOOP CLI CRDSWS,X'F8' BE ALRIGHT CLI CRDSWS,X'E8' BE ALRIGHT CLI CRDSWS,X'C8' BE ALRIGHT CLI CRDSWS,X'88' BE ALRIGHT	READ ANOTHER RECORD SAME STATE I.D.? YES GO PROCESS ARE ALL CARD PRESENT? YES TAKE BRANCH JUST 4 CARD MISSING? YES TAKE BRANCH 3 AND 4 CARD MISSING? YES TAKE BRANCH JUST 1 AND 5 CARD PRESENT? YES TAKE BRANCH
INCOMP	MVC PAREA+1(28),=C' INCOMPLETE DATA; STATE I.D.= MVC PAREA+29(10),THISCODE BAL 8,PP B CLEAROUT EJECT	WRITE ERROR MSG GO PROCESS NEXT I.D.
ALRIGHT	TM CRDSWS,X'40' BNO NOCRD2	CARD 2 PRESENT? NO BYPASS CYCLE VALIDATES
BACKIN	TM CY1SWS,X'08' BO Y24 TM CY1SWS,X'10' BO Y23 TM CY1SWS,X'20' BO Y22 TM CY1SWS,X'40' BO Y21 B ALRIGHT2	5 CYCLE COMPLETED? YES TEST FOR 1 2 3 AND 4 4 CYCLE COMPLETED? YES TEST FOR 1 2 AND 3 3 CYCLE COMPLETED? YES TEST FOR 1 AND 2 2 CYCLE COMPLETED? YES TEST FOR 1 GO TEST CARD 4 CYCLES
Y24	TM CY1SWS,X'10' BNO INCOMP	IS SWITCH 4 ON? NO GO TO ERROR
Y23	TM CY1SWS,X'20' BNO INCOMP	IS SWITCH 3 ON? NO GO TO ERROR
Y22	TM CY1SWS,X'40' BNO INCOMP	IS SWITCH 2 ON? NO GO TO ERROR
Y21	TM CY1SWS,X'80'	IS SWITCH 1 ON?

```

ALRIGHT2 BNO INCOMP NO GO TO ERROR
NOP 0 WILL BE CHANGED TO BRANCH
TM CRD4SWS,X'10' CARD 4 PRESENT?
BNO NOCRD4 NO TAKE THIS EXIT
MVC ALRIGHT2,BRANCH REPLACE NOP WITH BRANCH
MVC TMPSWS,CY1SWS SAVE CY1SWS
MVC CY1SWS,CY2SWS REPLACE CY1SWS WITH CY2SWS
* SO THEY CAN BE VALIDATED
BRANCH B BACKIN VALIDATE CARD 4 CYCLES
B VALID TO REPLACE NOP
EJECT
VALID LA 9,174(0,ORG) LOAD ADDRESS OF IN CYCLE 1
BAL 10,CONVERT BRANCH TO DATE CONVERSION
MVC CY2SWS,CY1SWS *RESTORE SWITCHES TO RESPECTIVE
MVC CY1SWS,TMPSWS *LOCATIONS TO SAVE CONFUSION
MVC ALRIGHT2,=X'47000000' REPLACE NOP INSTRUCTION
MVC SAVEDT01,NUMB STORE NUMBER RETURNED

```

```

* CODE FROM HERE TO NEXT COMMENT WILL GENERATE VARIABLE
* NAMED 'I/O CORRECTIONS TOTAL'
*

```

```

OFF5 TM CY2SWS,X'08' CYCLE 5 PRESENT?
BNO OFF5 NO BYPASS
CLC 236(6,ORG),=C' IS DATE OUT BLANK?
BE OFF5 YES GO TURN OFF CYCLE SWITCH
LA 9,236(0,ORG) * STANDARD LINKAGE
BAL 10,CONVERT * TO CONVERSION ROUTINE
B NOWCOMP GO TO COMPUTATIONS
OFF5 NI CY2SWS,X'F0' TURN OFF CYCLE 5 SWITCH
TM CY2SWS,X'10' CYCLE 4 PRESENT?
BNO OFF4 NO BYPASS
CLC 222(6,ORG),=C' IS DATE OUT BLANK?
BE OFF4 YES GO TURN OFF CYCLE SWITCH
LA 9,222(0,ORG) * STANDARD LINKAGE
BAL 10,CONVERT * TO CONVERSION ROUTINE
OFF4 B NOWCOMP GO TO COMPUTATIONS
NI CY2SWS,X'E1' TURN OFF CYCLE 4 SWITCH
TM CY2SWS,X'20' CYCLE 3 PRESENT?
BNO OFF3 NO BYPASS
CLC 208(6,ORG),=C' IS DATE OUT BLANK?
BE OFF3 YES GO TURN OFF CYCLE SWITCH
LA 9,208(0,ORG) * STANDARD LINKAGE
BAL 10,CONVERT * TO CONVERSION ROUTINE
OFF3 B NOWCOMP GO TO COMPUTATIONS
NI CY2SWS,X'D1' TURN OFF CYCLE 3 SWITCH
TM CY2SWS,X'40' CYCLE 2 PRESENT?
BNO OFF2 NO BYPASS
CLC 194(6,ORG),=C' IS DATE OUT BLANK?

```

```

OFF2 BE OFF2 YES GO TURN OFF CYCLE SWITCH
LA 9,194(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
B NOWCOMP GO TO COMPUTATIONS
OFF2 NI CY2SWS,X'B1' TURN OFF CYCLE 2 SWITCH
CLC 180(6,ORG),=C' IS DATE OUT BLANK?
BE OFF1 YES GO TURN OFF CYCLE SWITCH
LA 9,180(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
B NOWCOMP GO TO COMPUTATIONS
OFF1 NI CY2SWS,X'71' TURN OFF CYCLE 1 SWITCH
* IF CONTROL COMES HERE MAN ENTERED CORRECTIONS
* CYCLE BUT NEVER LEFT THE FIRST CYCLE.
NOWCOMP B FELTRIAL EXIT TO FELONY TRIAL
SP NUMB,SAVEDT01 SUBTRACT ENTER FROM FINAL EXIT
MVC 276(4,ORG),=X'F0202020' MASK TO OUTPUT AREA
ED 276(4,ORG),NUMB+6 EDIT DIFFERENCE TO OUTPUT AREA
*
* END: NOW START COMPUTATIONS FOR INDIVIDUAL CYCLES
*

```

```

EJECT
LA 9,180(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
SP NUMB,SAVEDT01 DIFFERENCE I/O CYCLE 1
MVC 280(4,ORG),=X'F0202020' MASK TO OUTPUT AREA
ED 280(4,ORG),NUMB+6 EDIT DIFFERENCE
TM CY2SWS,X'40' CYCLE TWO PRESENT?
BNO FELTRIAL NO EXIT TO FELONY TRIAL
LA 9,188(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
MVC SAVEDT01,NUMB SAVE IN DATE CYCLE 2
LA 9,194(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
SP NUMB,SAVEDT01 DIFFERENCE I/O CYCLE 2
MVC 284(4,ORG),=X'F0202020' MASK TO OUTPUT AREA
ED 284(4,ORG),NUMB+6 EDIT DIFFERENCE
TM CY2SWS,X'20' CYCLE THREE PRESENT?
BNO FELTRIAL NO EXIT TO FELONY TRIAL
LA 9,202(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
MVC SAVEDT01,NUMB SAVE IN DATE CYCLE 3
LA 9,208(0,ORG) * STANDARD LINKAGE TO
BAL 10,CONVERT * CONVERSION ROUTINE
SP NUMB,SAVEDT01 DIFFERENCE I/O CYCLE 3
MVC 288(4,ORG),=X'F0202020' MASK TO OUTPUT AREA
ED 288(4,ORG),NUMB+6 EDIT DIFFERENCE
TM CY2SWS,X'10' CYCLE FOUR PRESENT?
BNO FELTRIAL NO EXIT TO FELONY TRIAL

```

	LA	9,216(0,ORG)	*STANDARD LINKAGE TO
	BAL	10,CONVERT	* CONVERSION ROUTINE
	MVC	SAVEDT01,NUMB	SAVE INDATE CYCLE 4
	CLC	148(6,ORG),=C'	
	BE	NUCRD3	
	LA	9,222(0,ORG)	* STANDARD LINKAGE TO
	BAL	10,CONVERT	* CONVERSION ROUTINE
	SP	NUMB,SAVEDT01	DIFFERENCE I/O CYCLE 4
	MVC	292(4,ORG),=X'F0202020'	MAST TO OUTPUT AREA
	ED	292(4,ORG),NUMB+6	EDIT DIFFERENCE
	TM	CY2SWS,X'08'	CYCLE FIVE PRESENT
	BNO	FELTRIAL	NO EXIT TO FELONY TRIAL
	LA	9,230(0,ORG)	* STANDARD LINKAGE TO
	BAL	10,CONVERT	* CONVERSION ROUTINE
	MVC	SAVEDT01,NUMB	SAVE IN DATE CYCLE 5
	LA	9,236(0,ORG)	* STANDARD LINKAGE TO
	BAL	10,CONVERT	* CONVERSION ROUTINE
	SP	NUMB,SAVEDT01	DIFFERENCE I/O CYCLE 5
	MVC	296(4,ORG),=X'F0202020'	MAST TO OUTPUT AREA
	ED	296(4,ORG),NUMB+6	EDIT DIFFERENCE
	EJECT		
NUCRD4	TM	CRDSWS,X'20'	CARD THREE PRESENT?
	BNO	NUCRD3	NO TAKE THIS EXIT
FELTRIAL	LA	9,140(0,ORG)	DATE/FILING TRIAL
	BAL	10,CONVERT	GO CONVERT DATE
	MVC	SAVEDT01,NUMB	STORE NUMBER RETURNED
	LA	9,148(0,ORG)	DATE OF DISPOSITION
	BAL	10,CONVERT	GO CONVERT DATE
	SP	NUMB,SAVEDT01	DIFFERENCE I/O FELONY TRIAL
	MVC	272(4,ORG),=X'F0202020'	MASK TO OUTPUT AREA
	ED	272(4,ORG),NUMB+6	EDIT DIFFERENCE
	EJECT		
NUCRD3	CLC	60(6,ORG),=C'	
	BE	NUCRD2	
	LA	9,49(0,ORG)	DATE/FILING PRE-TRIAL
	BAL	10,CONVERT	GO TO CONVERSION ROUTINE
	MVC	SAVEDT01,NUMB	SAVE NUMBER
	LA	9,60(0,ORG)	DATE OUT PRE-TRIAL
	BAL	10,CONVERT	GO TO DATE CONVERSION
	SP	NUMB,SAVEDT01	DIFFERENCE I/O PRE-TRIAL
	MVC	268(4,ORG),=X'F0202020'	MASK TO BUFFER
	ED	268(4,ORG),NUMB+6	EDIT DIFFERENCE
	EJECT		
NUCRD2	LA	9,26(0,ORG)	DATE OF ARREST
	BAL	10,CONVERT	GO CONVERT DATE
	MVC	ARREST,NUMB	SAVE ARREST DATE
	LA	9,10(0,ORG)	DATE OF BIRTH
	BAL	10,CONVERT	GO CONVERT DATE OF BIRTH

	MVC	SAVEDT01,ARREST	DATE OF ARREST OT WORK AREA
	SP	SAVEDT01,NUMB	AGE IN DAYS AT BIRTH
	MP	SAVEDT01,=P'1000'	SHIFT LEFT ONE BYTE AND NIBBLE
	DP	SAVEDT01,=P'36525'	NUMBER OF DAYS IN YEAR
	MVC	252(4,ORG),=X'F0202020'	MASK TO OUTOUT AREA
	ED	252(4,ORG),SAVEDT01+3	EDIT AGE
	TM	CRDSWS,X'40'	PRE-TRIAL COMPLETED?
	BNO	FINALY	NO TAKE FINAL EXIT
	LA	9,49(0,ORG)	FILING PRE-TRIAL
	BAL	10,CONVERT	CONVERT IT AGAIN
	SP	NUMB,ARREST	FIND DIFFERENCE
	MVC	256(4,ORG),=X'F0202020'	MOVE MASK
	ED	256(4,ORG),NUMB+6	EDIT DIFFERENCE
	TM	CRDSWS,X'20'	TRIAL COMPLETED?
	BNO	FINALY	NO TAKE FINAL EXIT
	LA	9,140(0,ORG)	FILING TRIAL
	BAL	10,CONVERT	CONVERT IT
	SP	NUMB,ARREST	FIND DIFF
	MVC	260(4,ORG),=X'F0202020'	MASK
	ED	260(4,ORG),NUMB+6	EDIT TO OUTPUT BUFFER
	TM	CROSWWS,X'10'	CORRECTIONS PRESENT
	BNO	FINALY	NO TAKE FINAL EXIT
	LA	9,174(0,ORG)	POINT DATE ENTERED CYCLE 1
	BAL	10,CONVERT	CONVERT
	SP	NUMB,ARREST	SUBTRACT OUT DATE OF ARREST
	MVC	264(4,ORG),=X'F0202020'	MASK OUTPUT AREA
	ED	264(4,ORG),NUMB+6	EDIT DIFFERENCE
	EJECT		
FINALY	BAL	8,PT	GO WRITE TAPE RECORD
	EJECT		
CLEAROUT	MVI	0(ORG),X'40'	MUVE BLANK TO NEXT OUTPUT AREA
	MVC	1(256,ORG),0(ORG)	CASCADE THRU 256 BYTES
	MVC	256(64,ORG),0(ORG)	CASCADE THRU REST
	MVC	THISCODE,0(ORG)	STORE NEXT STATE I.D.
	MVC	CRDSWS(3),=X'000000'	SET ALL SWITCHES OFF
	B	LOOP	GO TO PROCESS LOOP
	SPACE		
DUPLICATE	MVC	PAREA+1(44),=C'DUPLICATE RECORD; CARD= ; CYCLE= ; STATE X	
		ID='	
	MVC	PAREA+24(1),79(ORG)	
	MVC	PAREA+33(1),78(ORG)	
	MVC	PAREA+45(10),0(ORG)	
	BAL	8,PP	
	B	READNEXT	
	EJECT		
ENDT	CLOSE	TAPEIN,TAPEOUT,PRINT	
	EOJ		
	EJECT		

\*  
 \* THE FOLLOWING SUBROUTINE CONVERTS A DATE IN THE FORM MMDDYY TO  
 \* A CONTINUOUS NUMBER OF DAYS FROM JANUARY 1 1869. STORE THIS  
 \* NUMBER AT NUMB.  
 \*

```

CONVERT  CLI  0(9),X'40'      IS FIRST TYPE A BLANK?
          BNE  NOTBLK01      NO BYPASS MOVE
          MVI  0(9),X'F0'    MOVE ZERO TO FIRST TYPE
NOTBLK01  TM   0(9),X'F0'    IS FIRST TYPE NUMERIC?
          BU   NUMERO1      YES BYPASS ERROR
          MVC  PAREA+1(18),=C'INVALID DATE FOUND'
          B   INCOMP+6
NUMERO1  TM   1(9),X'F0'    IS SECOND TYPE NUMERIC?
          BNO  NOTBLK01+8   NO GO TO ERROR
          CLI  2(9),X'40'    IS THIRD TYPE A BLANK?
          BNE  NOTBLK02      NO BYPASS MOVE
          MVI  2(9),X'F0'    MOVE ZERO TO THIRD BYTE
NOTBLK02  TM   2(9),X'F0'    IS THIRD BYTE NUMERIC?
          BNO  NOTBLK01+8   NO GO TO ERROR
          TM   3(9),X'F0'    IS FOURTH BYTE NUMERIC?
          BNO  NOTBLK01+8   NO GO TO ERROR
          CLI  4(9),X'40'    IS FIFTH BYTE A BLANK?
          BNE  NOTBLK03      NO BYPASS MOVE
          MVI  4(9),X'F0'    MOVE ZERO TO FIFTH BYTE
NOTBLK03  TM   4(9),X'F0'    IS FIFTH BYTE NUMERIC?
          BNO  NOTBLK01+8   NO GO TO ERROR
          TM   5(9),X'F0'    IS SIXTH BYTE NUMERIC?
          BNO  NOTBLK01+8   NO GO TO ERROR
  
```

\*  
 \* AT THIS POINT THE DATE IS KNOWN TO BE NUMERIC AND IS  
 \* ASSUMED TO BE VALID. NO MORE CHECKING WILL BE DONE.  
 \*

```

          PACK  DOUBLE,4(2,9)  PACK YEAR ENTRY
          AP   DOUBLE,=P'1800'  ADD 1800 TO YEAR
          CP   DOUBLE,=P'1870'  IS DOUBLE > 1870?
          BH   *+10             YES BRANCH AROUND ADD
          AP   DOUBLE,=P'100'   ADD 100 MAKING 20TH CENTURY
          SP   DOUBLE,=P'1869'  SUBTRACT BASE YEAR (1869)
          MP   DOUBLE,=P'36525' MULTIPLY BY DAYS IN YEAR
          MVN  DOUBLE+6(1),=X'0C' TRUNCATE FRACTION
          ZAP  NUMB,DOUBLE(7)   MOVE TO FINAL FIELD
          PACK  DOUBLE,2(2,9)  PACK DAY ENTRY
          AP   NUMB,DOUBLE     ADD TO TOTAL
          LA   11,MONTHS      START OF TABLE
          LA   12,ENDMONTH    END OF TABLE
LOOKUP01  CLC  0(2,11),0(9)   IS THIS MONTH?
          BE   ADDITIN       YES TAKE EXIT
          A   11,=F'4'       ADD TO INDEX REGISTER
  
```

```

          CR   12,11
          BNH  NOTBLK01+8     BEYOND RANGE OF TABLE?
          B   LOOKUP01       YES GO TO ERROR
          AP   NUMB,2(2,11)  NO CHECK NEXT ENTRY
          BR   10            ADD IN TABLE VALUE
          EJECT
          LTORG
          END   BEGIN       RETURN TO CALLING ROUTINE
  
```

APPENDIX D  
Listing of SELECT Program

```

*TITLE SELECT
* AUTHOR  BOBIE D. BEDDINGFIELD
* DATE WRITTEN  JULY 1970
* REMARKS
*   PROGRAM SELECTS TAPE RECORDS BY CONDITIONS ESTABLISHED BY CARDS.
*   THE SELECTED TAPE RECORDS ARE WRITTEN ON ANOTHER TAPE AND THE
*   SELECT CONDITIONS ARE PRINTED WITH THE TOTAL NUMBER OF RECORDS
*   SELECTED.
*   THE SELECT CONDITIONS CONSIST OF 20 CONDITIONS, 1 THRU 15 ARE
*   "AND" CONDITIONS AND 16 THRU 20 AS "OR" CONDITIONS.
* INPUT
*   CARDS
*   COLUMN  DESCRIPTION
*   1-2     SEQUENCE NUMBER OF CONDITION CARD, NUMBER MAY
*           1 THRU 20 RIGHT JUSTIFIED WITHOUT LEADING ZEROS.
*   4-6     NUMBER OF VARIABLE TO BE SELECTED, WITH LEADING
*           ZEROS AND RIGHT JUSTIFIED.
*   8       BRANCH CONDITION
*           E=EQUAL
*           N=NOT EQUAL
*           L=LESS THAN
*           G=GREATER THAN
*   10      TYPE OF SELECT STATEMENT
*           A=AND CONDITION, SEQUENCE NO. MUST BE 1 THRU 15
*           O=OR CONDITION, SEQUENCE NO. MUST BE 16 THRU 20
*   12-19   DATA USED FOR COMPARE IN SELECTION.
*           DATA MUST BE RIGHT JUSTIFIED AND FILLED WITH
*           LEADING BLANKS.
*   3,7,9,11  MUST REMAIN BLANK.
*   20-80   MAY BE USED FOR USER COMMENTS (NOT REQUIRED).
*   TAPE
*   DISK
* OUTPUT
*   PRINTER
*   TAPE
* ERRORS AND/HALTS
*
*   CODE  MESSAGE
*   1     CARD SELECT FIELD IS TOO HIGH
*   2     CARD SELECT FIELD IS TOO LOW
*   3     NO MATCHING CARD RESPONSE ON TAPE
*   4     INVALID BRANCH CONDITION IN CARD

```

```

*      5      INVALID CARD SEQUENCE NUMBER
*      6      INVALID BRANCH CODE
*      7      INVALID DATA SELECT FIELD IN CARD
*      8      NO MATCHING RESPONSE ON DISK TO MATCH CARD

```

```

EJECT
SELECT  START  X'2350'
BUFF1   DS     32CL100
BUFF2   DS     32CL100
BUFF3   DS     32CL100
BUFF4   DS     32CL100
DSKAREA1 DS    8CL211
DSKAREA2 DS    8CL211
TAPEIN  DTFMT

      BLKSIZE=3200,
      DEVADDR=SYS007,
      EOFADDR=ENDTAPE,
      FILABL=STD,
      IOAREA1=BUFF1,
      IOAREA2=BUFF2,
      RECFORM=FIXBLK,
      RECSIZE=320,
      TYPEFLE=INPUT,
      WORKA=YES
TAPEOUT DTFMT BLKSIZE=3200,
      DEVADDR=SYS008,
      FILABL=STD,
      IOAREA1=BUFF3,
      IOAREA2=BUFF4,
      RECFORM=FIXBLK,
      RECSIZE=320,
      TYPEFLE=OUTPUT,
      WORKA=YES
CARD     DTFCO
      DEVADDR=SYS010,
      IOAREA1=AREA1,
      BLKSIZE=80,
      DEVICE=2540,
      EOFADDR=ENDCRD,
      RECFORM=FIXUNB,
      TYPEFLE=INPUT,
      WORKA=YES
PRINT   DTFCO
      DEVADDR=SYS012,
      IOAREA1=PAREA,
      BLKSIZE=132,
      DEVICE=1403,
      RECFORM=FIXUNB,
      CONTROL=YES,
      WORKA=YES

```

```

DISK    DTFSO
      BLKSIZE=1688,
      IOAREA1=DSKAREA1,
      IOAREA2=DSKAREA2,
      TYPEFLE=INPUT,
      DEVICE=2314,
      EOFADDR=ENDDISK,
      WORKA=YES
BEGIN   BALR  2,0
      USING FIRST,2,3,4,5
FIRST   LM    3,5,BASE
      B      BYPASS
BASE    DC    A(FIRST+4096)
      DC    A(FIRST+8192)
      DC    A(FIRST+12288)
TIN     DS    CL320
TOUT    DS    CL320
AREA1   DS    CL80
C        DS    CL80
PAREA   DS    CL132
D        DS    8CL211
P        DC    CL132'
EJECT
BYPASS  OPEN  TAPEIN,TAPEOUT,CARD,PRINT,DISK
      CUMRG
      MVC   DATE,0(1)
GETC    GET   CARD,C
      CLC  C+3(3),MAX
      BNH  BYPASS1
      MVI  ERRSW,X'01'
      MVC  CODE,=C' 1'
      B    BYPASS2
BYPASS1 CLC  C+3(3),MIN
      BNL  BYPASS2
      MVI  ERRSW,X'01'
      MVC  CODE,=C' 2'
BYPASS2 BAL  6,MATCH
      BAL  6,WRITE
      BAL  6,SET
      B    GETC
MAX     DC    C'110'
MIN     DC    C'001'
ERRSW   DC    X'00'
CODE    DS    CL2
EJECT
MATCH   CLC  D(3),C+3
      BE   MATCH1
      GET  DISK,D

```



```

MATCH1  B    MATCH
        MVC  POSITION,D+4
        MVC  LENGTH,D+7
        MVC  VARNAME,D+13
        CLI  D+3,C'C'
        BNE  MATCH2
        MVC  RESPNME,C+11
        B    MATCH5
MATCH2  LA   7,D+38
MATCH3  CLC  0(8,7),C+11
        BE  MATCH4
        AP  COUNT,PONE
        CP  COUNT,P50
        BE  MATCH6
        ZAP DBL,P33
        CVB 8,DBL
        AR  7,8
MATCH4  B    MATCH3
        A    7,F8
        MVC  RESPNME,0(7)
MATCH5  SP  COUNT,COUNT
        BR  6
MATCH6  MVI  ERRSW,X'01'
        MVC  CODE,=C' 3'
        B    WRITE7
        MVC  CODE,=C' 8' NO MATCHING RESPONSE ON DISK EOF ON DISK
        B    WRITE7
POSITION DS  CL3
LENGTH  DS  CL2
VARNAME DS  CL25
RESPNME DS  CL25
COUNT  DC  X'000C'
PONE    DC  X'1C'
P50     DC  X'050C'
P33     DC  X'033C'
DBL     DS  D
F8      DC  F'8'
EJECT
WRITE   CP  LC,P50
        BNE  WRITE1
        BAL  7,HEAD
WRITE1  CLI  ERRSW,X'00'
        BNE  WRITE7
        MVC  P(2),C
        MVC  P+3(25),VARNAME
        CLI  C+7,C'E'
        BNE  WRITE2
        MVC  P+29(8),=C'EQUAL TO'

```

```

        MVC  P+38(25),RESPNME
        B    WRITE5
WRITE2  CLI  C+7,C'L'
        BNE  WRITE3
        MVC  P+29(9),=C'LESS THAN'
        MVC  P+39(25),RESPNME
        B    WRITE5
WRITE3  CLI  C+7,C'G'
        BNE  WRITE4
        MVC  P+29(12),=C'GREATER THAN'
        MVC  P+42(25),RESPNME
        B    WRITE5
WRITE4  CLI  C+7,C'N'
        BNE  WRITE6 SET CODE AND WRITE ERROR
        MVC  P+29(9),=C'LESS THAN'
        MVC  P+39(25),RESPNME
WRITE5  BAL  9,PUTP
        BAL  9,PUTP
        BR  6
WRITE6  MVI  ERRSW,X'01'
        MVC  CODE,=C' 4' INVALID BRANCH CONDITION IN CARD
WRITE7  MVC  P(20),C
        MVC  P+21(10),=C'ERROR CODE'
        MVC  P+32(2),CODE
        BAL  9,PUTP
        BAL  9,PUTP
        CANCEL
LC      DC  X'050C'
EJECT
HEAD   CNTRL PRINT,SK,1
        MVC  P+20(8),=C'SOC04A04'
        MVC  P+30(8),DATE NEED DATE FROM COMMUNICATION REGION
        BAL  9,PUTP
        CNTRL PRINT,SP,3
        SP  LC,LC
        BR  7
DATE   DS  CL8
        SPACE
        SPACE
        SPACE
PUTP   PUT  PRINT,P
        MVI  P,C' '
        MVC  P+1(131),P
        BR  9
EJECT
SET    CLC  C(2),=C' 1'
        BNE  TRY2
        MVI  CSW1,X'10'

```

```

BAL 8,LEFTJUST
MVC C1,SHIFT
LA 7,CUND1
BAL 9,MODIFY
BR 6
TRY2 CLC C(2),=C' 2'
BNE TRY3
MVI CSW2,X'10'
BAL 8,LEFTJUST
MVC C2,SHIFT
LA 7,CUND2
BAL 9,MODIFY
BR 6
TRY3 CLC C(2),=C' 3'
BNE TRY4
MVI CSW3,X'10'
BAL 8,LEFTJUST
MVC C3,SHIFT
LA 7,CUND3
BAL 9,MODIFY
BR 6
TRY4 CLC C(2),=C' 4'
BNE TRY5
MVI CSW4,X'10'
BAL 8,LEFTJUST
MVC C4,SHIFT
LA 7,CUND4
BAL 9,MODIFY
BR 6
TRY5 CLC C(2),=C' 5'
BNE TRY6
MVI CSW5,X'10'
BAL 8,LEFTJUST
MVC C5,SHIFT
LA 7,CUND5
BAL 9,MODIFY
BR 6
TRY6 CLC C(2),=C' 6'
BNE TRY7
MVI CSW6,X'10'
BAL 8,LEFTJUST
MVC C6,SHIFT
LA 7,CUND6
BAL 9,MODIFY
BR 6
TRY7 CLC C(2),=C' 7'
BNE TRY8
MVI CSW7,X'10'

```

```

BAL 8,LEFTJUST
MVC C7,SHIFT
LA 7,CUND7
BAL 9,MODIFY
BR 6
TRY8 CLC C(2),=C' 8'
BNE TRY9
MVI CSW8,X'10'
BAL 8,LEFTJUST
MVC C8,SHIFT
LA 7,CUND8
BAL 9,MODIFY
BR 6
TRY9 CLC C(2),=C' 09'
BNE TRY10
MVI CSW9,X'10'
BAL 8,LEFTJUST
MVC C9,SHIFT
LA 7,CUND9
BAL 9,MODIFY
BR 6
TRY10 CLC C(2),=C' 10'
BNE TRY11
MVI CSW10,X'10'
BAL 8,LEFTJUST
MVC C10,SHIFT
LA 7,CUND10
BAL 9,MODIFY
BR 6
TRY11 CLC C(2),=C' 11'
BNE TRY12
MVI CSW11,X'10'
BAL 8,LEFTJUST
MVC C11,SHIFT
LA 7,CUND11
BAL 9,MODIFY
BR 6
TRY12 CLC C(2),=C' 12'
BNE TRY13
MVI CSW12,X'10'
BAL 8,LEFTJUST
MVC C12,SHIFT
LA 7,CUND12
BAL 9,MODIFY
BR 6
TRY13 CLC C(2),=C' 13'
BNE TRY14
MVI CSW13,X'10'

```

```

BAL 8,LEFTJUST
MVC C13,SHIFT
LA 7,COND13
BAL 9,MODIFY
BR 6
TRY14 CLC C(2),=C'14'
      BNE TRY15
      MVI CSW14,X'10'
      BAL 8,LEFTJUST
      MVC C14,SHIFT
      LA 7,COND14
      BAL 9,MODIFY
      BR 6
TRY15 CLC C(2),=C'15'
      BNE TRY16
      MVI CSW15,X'10'
      BAL 8,LEFTJUST
      MVC C15,SHIFT
      LA 7,COND15
      BAL 9,MODIFY
      BR 6
TRY16 CLC C(2),=C'16'
      BNE TRY17
      MVI CSW16,X'10'
      BAL 8,LEFTJUST
      MVC C16,SHIFT
      LA 7,COND16
      BAL 9,MODIFY
      BR 6
TRY17 CLC C(2),=C'17'
      BNE TRY18
      MVI CSW17,X'10'
      BAL 8,LEFTJUST
      MVC C17,SHIFT
      LA 7,COND17
      BR 6
TRY18 CLC C(2),=C'18'
      BNE TRY19
      MVI CSW18,X'10'
      BAL 8,LEFTJUST
      MVC C18,SHIFT
      LA 7,COND18
      BAL 9,MODIFY
      BR 6
TRY19 CLC C(2),=C'19'
      BNE TRY20
      MVI CSW19,X'10'
      BAL 8,LEFTJUST

```

```

MVC C19,SHIFT
LA 7,COND19
BAL 9,MODIFY
BR 6
TRY20 CLC C(2),=C'20'
      BE ITS20
      MVI ERRSW,X'01'
      MVC CODE,=C'05'
      B WRITE7
      MVI CSW20,X'10'
      BAL 8,LEFTJUST
      MVC C20,SHIFT
      LA 7,COND20
      BAL 9,MODIFY
      BR 6
CSW1 DC X'00'
CSW2 DC X'00'
CSW3 DC X'00'
CSW4 DC X'00'
CSW5 DC X'00'
CSW6 DC X'00'
CSW7 DC X'00'
CSW8 DC X'00'
CSW9 DC X'00'
CSW10 DC X'00'
CSW11 DC X'00'
CSW12 DC X'00'
CSW13 DC X'00'
CSW14 DC X'00'
CSW15 DC X'00'
CSW16 DC X'00'
CSW17 DC X'00'
CSW18 DC X'00'
CSW19 DC X'00'
CSW20 DC X'00'
C1 DS CL8
C2 DS CL8
C3 DS CL8
C4 DS CL8
C5 DS CL8
C6 DS CL8
C7 DS CL8
C8 DS CL8
C9 DS CL8
C10 DS CL8
C11 DS CL8
C12 DS CL8
C13 DS CL8

```

INVALID CARD SEQUENCE NUMBER

C14	DS	CL8	
C15	DS	CL8	
C16	DS	CL8	
C17	DS	CL8	
C18	DS	CL8	
C19	DS	CL8	
C20	DS	CL8	
	EJECT		
MODIFY	PACK	DBL,LENGTH	
	SP	DBL,PONE	
	CVB	10,DBL	
	ST	10,FOUR	
	MVC	1(1,7),FOUR+3	LENGTH
	PACK	DBL,POSITION	
	SP	DBL,PONE	
	CVB	10,DBL	
	ST	10,FOUR	
	MVZ	FOUR+2(1),2(7)	
	MVC	2(2,7),FOUR+2	DISPLACEMENT
	CLI	C+7,C'L'	
	BNE	TRYG	
	MVC	7(1,7),=X'40'	BRANCH LOW
	BR	9	
TRYG	CLI	C+7,C'G'	
	BNE	TRYE	
	MVC	7(1,7),=X'20'	BRANCH HIGH
	BR	9	
TRYE	CLI	C+7,C'E'	
	BNE	TRYN	
	MVC	7(1,7),=X'80'	BRANCH EQUAL
	BR	9	
TRYN	CLI	C+7,C'N'	
	BNE	MODIFY1	
	MVC	7(1,7),=X'70'	
	BR	9	
MODIFY1	MVI	ERRSW,X'01'	
	MVC	CODE,=C' 6'	INVALID BRANCH CODE
	B	WRITE7	
FOUR	DS	F	
	EJECT		
LEFTJUST	CLI	C+11,X'40'	
	BE	CK2	
	MVC	SHIFT,C+11	
	BR	8	
CK2	CLI	C+12,X'40'	
	BE	CK3	
	MVC	SHIFT,C+12	
	BR	8	

CK3	CLI	C+13,X'40'	
	BE	CK4	
	MVC	SHIFT,C+13	
	BR	8	
CK4	CLI	C+14,X'40'	
	BE	CK5	
	MVC	SHIFT,C+14	
	BR	8	
CK5	CLI	C+15,X'40'	
	BE	CK6	
	MVC	SHIFT,C+15	
	BR	8	
CK6	CLI	C+16,X'40'	
	BE	CK7	
	MVC	SHIFT,C+16	
	BR	8	
CK7	CLI	C+17,X'40'	
	BE	CK8	
	MVC	SHIFT,C+17	
	BR	8	
CK8	CLI	C+18,X'40'	
	BE	ITSBAD	
	MVC	SHIFT,C+18	
	BR	8	
ITSBAD	MVI	ERRSW,X'10'	
	MVC	CODE,=C' 7'	INVALID DATA IN CARD ALL BLANKS
	B	WRITE7	
SHIFT	DC	C'	
	EJECT		
ENDCRD	GET	TAPEIN,TIN	
	LA	7,TIN	
	CLI	CSW1,X'10'	
	BNE	TST16	
COND1	CLC	0(1,7),C1	
	BE	TST2	
	B	ENDCRD	
TST2	CLI	CSW2,X'10'	
	BNE	TST16	
COND2	CLC	0(1,7),C2	
	BE	TST3	
	B	ENDCRD	
TST3	CLI	CSW3,X'10'	
	BNE	TST16	
COND3	CLC	0(1,7),C3	
	BE	TST4	
	B	ENDCRD	
TST4	CLI	CSW4,X'10'	
	BNE	TST16	

COND4	CLC	O(1,7),C4
	BE	TST5
	B	ENDCRD
TST5	CLI	CSW5,X'10'
	BNE	TST16
COND5	CLC	O(1,7),C5
	BE	TST6
	B	ENDCRD
TST6	CLI	CSW6,X'10'
	BNE	TST16
COND6	CLC	O(1,7),C6
	BE	TST7
	B	ENDCRD
TST7	CLI	CSW7,X'10'
	BNE	TST16
COND7	CLC	O(1,7),C7
	BE	TST8
	B	ENDCRD
TST8	CLI	CSW8,X'10'
	BNE	TST16
COND8	CLC	O(1,7),C8
	BE	TST9
	B	ENDCRD
TST9	CLI	CSW9,X'10'
	BNE	TST16
COND9	CLC	O(1,8),C9
	BE	TST10
	B	ENDCRD
TST10	CLI	CSW10,X'10'
	BNE	TST16
COND10	CLC	O(1,7),C10
	BE	TST11
	B	ENDCRD
TST11	CLI	CSW11,X'10'
	BNE	TST16
COND11	CLC	O(1,8),C11
	BE	TST12
	B	ENDCRD
TST12	CLI	CSW12,X'10'
	BNE	TST16
COND12	CLC	O(1,7),C12
	BE	TST13
	B	ENDCRD
TST13	CLI	CSW13,X'10'
	BNE	TST16
COND13	CLC	O(1,7),C13
	BE	TST14
	B	ENDCRD

# CONTINUED

## 1 OF 5

```

TST14  CLI  CSW14,X'10'
        BNE  TST16
COND14  CLC  O(1,7),C14
        BE   TST15
        B   ENDCRD
TST15  CLI  CSW15,X'10'
        BNE  TST16
COND15  CLC  O(1,7),C15
        BE   TST16
        B   ENDCRD
TST16  CLI  CSW16,X'10'      16 THRU 20 = OR CONDITIONS
        BNE  PASS
COND16  CLC  O(1,7),C16
        BE   PASS
TST17  CLI  CSW17,X'10'
        BNE  ENDCRD
COND17  CLC  O(1,7),C17
        BE   PASS
TST18  CLI  CSW18,X'10'
        BNE  ENDCRD
COND18  CLC  O(1,7),C18
        BE   PASS
TST19  CLI  CSW19,X'10'
        BNE  ENDCRD
COND19  CLC  O(1,7),C19
        BE   PASS
TST20  CLI  CSW20,X'10'
        BNE  ENDCRD
COND20  CLC  O(1,7),C20
        BE   PASS
        B   ENDCRD
PASS    AP   SELCNT,PONE
        MVC  TOUT(256),TIN
        MVC  TOUT+256(64),TIN+256
        PUT  TAPEOUT,TOUT
        B   ENDCRD
SELCNT  DC   X'00000C'      COUNT OF SELECTIONS PASSED
        EJECT
ENDTAPE MVC  P(7),=X'4020206B212020'
        ED   P(7),SELCNT
        BAL  9,PUTP
        CLOSE PRINT,CARD,DISK,TAPEIN,TAPEOUT
        EOJ
        LTORG
        END  BEGIN

```

APPENDIX E  
Listing of FRED Program

```

*      TITLE:      FRED
*
*      AUTHOR:     JACK L. ULSH
*
*      DATE:       JUNE 20,1970
*
*      INPUT      TYPE      LOGICAL UNIT      NAME      TYPE FILE
*
*                TAPE      SYS007           MASTER    SEQUENTIAL
*
*      OUTPUT     TYPE      LOGICAL UNIT      NAME      TYPE FILE
*
*                TAPE      SYS008           FRED      SEQUENTIAL
*
*      WORK FILE  TYPE      LOGICAL UNIT      TYPE FILE
*
*                DISK      SYS013           SEQUENTIAL
*
*      REMARKS:
*
*          THIS PROGRAM READS THE MASTER FILE AND CALCULATES
*
*      A FREQUENCY DISTRIBUTION AND PERCENTAGE FOR EACH
*
*      DISCRETE VARIABLE.
*
*      ERROR MESSAGES:
*
*          NONE

```

```

FRED      START X'2850'
TAPEIN    DTFMT
          BLKSIZE=3200,
          DEVADDR=SYS007,
          EOFADDR=ENDTAPE,
          FILABL=STD,
          IOAREA1=TAREA,
          RECFORM=FIXBLK,
          RECSIZE=320,
          TYPEFLE=INPUT,
          IOREG=(6)
TAPEOUT   DTFMT
          BLKSIZE=2510,
          DEVADDR=SYS008,

```

```

X
X
X
X
X
X
X
X
X
X
X
X

```

```

FILABL=STD,
IOAREA1=TAREA,
RECFORM=FIXUNB,
TYPEFLE=OUTPUT
DISK DTFSD
      BLKSIZE=500,
      EOFADDR=LASTREC,
      DEVADDR=SYS013,
      DEVICE=2314,
      NOTEPNT=YES,
      RECFORM=FIXUNB,
      TYPEFLE=WORK,
      VERIFY=YES
EJECT
BEGIN BALR 2,0
      USING FIRST,2,3,4
FIRST LM 3,4,BASE
      B GO
BASE DC A(FIRST+4096)
      DC A(FIRST+8192)
NOV DC PL4'92'
WIDE DS OCL320
      DC CL50'
      DC CL50' BBAAB AABBAABBAABB BBBBBAABABAB
      DC CL50'BAABBBBBBABABAAAABBBAAAABABBBBBAAABBBBBAABA AB
      DC CL50' BBBBBAABABBBAAAABBBBA BA
      DC CL50'BA BA BA BABABAA
      DC CL50' BBBBAAAABBBBAAAABBBBAAAABBBBAAAABBBBAAAABBBBAAA
NSUBJ DC PL4'0'
P1 DC PL1'1'
KNT2 DC PL4'0'
      DS CL1
TAREA DS CL3200
DSKREC DC 100CL5'
LOVD DS D
GT GET TAPEIN
      BR 5
LOVF DS F
SAVE DS F
NSUBJP DS F
      DS OD
NOVP DC PL8'0'
DVSR DS CL3
DOUBLE DS D
DVND DS CL8
GO OPEN TAPEIN,TAPEOUT,DISK
      POINTS DISK
DRS BAL 5,GT

```

X  
X  
X  
X  
X  
X  
X  
X  
X  
X

```

AP NSUBJ,P1
LA 7,WIDE
LR 8,6
LA 9,DSKREC
A 9,=F'4'
GVR5 CLI 0(7),X'40'
      BNE CTB
      A 7,=F'1'
      A 8,=F'1'
      B OVR5
CTB ZAP LOVD,=P'0'
      LR 10,7
      A 10,=F'1'
      AP LOVD,=P'1'
      CLC 0(1,7),0(10)
      BNE MAD
      A 7,=F'1'
      S 9,=F'1'
      B CTB+6
MAD SP LOVD,=P'1'
      CVB 10,LOVD
      ST 10,LOVF
      MVC HERE+1(1),LOVF+3
      MVC 0(1,9),0(8)
      A 9,LOVF
      A 9,=F'5'
      A 8,LOVF
      A 8,=F'1'
      A 7,=F'1'
      AP NOVP,=P'1'
      ZAP LOVD,=P'0'
      CP NOVP,NOV
      BNE OVR5
      WRITE DISK,SQ,DSKREC
      CHECK DISK
      ZAP NOVP,=P'0'
      B DRS
ENDTAPE CLOSE TAPEIN,DISK
      OPEN DISK
VAS2 POINTS DISK
      ZAP NSUBJP,=P'0'
VAS ZAP KNT2,=P'0'
      READ DISK,SQ,DSKREC
      CHECK DISK
      CP NSUBJP,=P'0'
      BNE CRWR
      AP NSUBJP,=P'1'
      CVB 7,NOVP

```



```

M      6,=F'5'
A      7,=A(DSKREC)
ST     7,SAVE
LA     6,TAREA
A      6,=F'10'
MVC   0(5,6),0(7)
LA     5,TAREA
ZAP   3(2,5),=P'1'
ZAP   5(2,5),NSUBJ
ZAP   5(2,6),=P'1'
B      VAS
CRWR  CLC  0(5,6),0(7)
      BE  EQUAL
      AP  KNT2,=P'1'
      CP  3(2,5),KNT2
      BE  NEW
      A   6,=F'10'
      B   CRWR
EQUAL AP  5(2,6),=P'1'
      LA  6,TAREA
      A   6,=F'10'
      B   VAS
NEW   AP  3(2,5),=P'1'
      MVC 10(5,6),0(7)
      ZAP 15(2,6),=P'1'
      B   EQUAL+6
LASTREC AP  NOV,=P'1'
      MVC TAREA-1(4),=X'F0202020'
      ED  TAREA-1(4),NOVP+6
      CP  TAREA+3(2),=P'1'
      BE  SORTED
      ZAP LOVD,TAREA+3(2)
      CVB 5,LOVD
      LA  7,TAREA
      S   5,=F'1'
LOOP2 A   7,=F'10'
      LR  6,5
      LR  8,7
      A   8,=F'10'
LOOP1 CLC  0(5,7),0(8)
      BH  REVERSE
LOOP3 A   8,=F'10'
      BCT 6,LOOP1
      BCT 5,LOOP2
      B   SORTED
REVERSE XC 0(10,7),0(8)
      XC 0(10,8),0(7)
      XC 0(10,7),0(8)

```

```

B      LOOP3
SORTED LA 7,TAREA
      ZAP 5(2,7),NSUBJ
      A   7,=F'10'
      ZAP DVSR,NSUBJ
      ZAP DOUBLE,TAREA+3(2)
      CVB 8,DOUBLE
UPTHAR ZAP DVND,5(2,7)
      MP  DVND,=P'10000'
      DP  DVND,DVSR
      MVC 7(3,7),DVND+2
      A   7,=F'10'
      BCT 8,UPTHAR
      PUT TAPEOUT
      CP  NOV,NOVP
      BNE VAS2
      CLOSE TAPEOUT,DISK
      EOJ
      END  BEGIN

```

// PAUSE MOUNT 9710.- 1 PART PAPER  
// EXEC SOC05A04

IDENTIFICATION DIVISION.  
PROGRAM-ID. 'SC09CSOC'.  
AUTHOR. MACK BULLARD.  
DATE-WRITTEN. JUNE 01 1970.  
SECURITY. NONE.  
INSTALLATION. SAM HOUSTON SYATE UNIVERSITY.  
REMARKS.

PURPOSE TO CALCULATE THE MEAN, STD DEVIATION, SKEW, PROB  
OF SKEW, KURTOSIS, PROB OF KURTOSIS OF 36 CONTINOUS  
VARIABLES THAT EXIST IN EACH RECORD OF THE SEARCH MASTER  
METHOD IS TO READ THE SEARCH MASTER OR SELECTED SUBSET OF  
SEARCH MASTER TWICE, THE FIRST TIME ACCUMULATING SUM X  
AND SUM XSQ, THE SECOND TIME ACCUMULATING THE SECOND,  
THIRD AND FOURTH MOMENTS, AFTER THE SECOND READ IT  
GOES INTO THE FINAL CALCULATION FOR EACH VARIABLE AND  
WRITES ONE RECORD PER VARIABLE OUT ON SKIRT TAPE FILE

INPUT	TYPE	LOGICAL UNIT	FILE NAME	FILE TYPE
	TAPE	SYS050	SEARCH MASTER	SEQ TAPE
OUTPUT	TYPE	LOGICAL UNIT	FILE NAME	FILE TYPE
	TAPE	SYS053	SEARCH SKIRT	SEQ TAPE.

ENVIRONMENT DIVISION.  
INPUT-OUTPUT SECTION.  
FILE-CONTROL.

SELECT SOCMASTER ASSIGN 'SYS050' UTILITY 2400.  
SELECT SOCSKIRT ASSIGN 'SYS053' UTILITY 2400.

DATA DIVISION.  
FILE SECTION.

```

010010 FD SOCMASTER
010020 RECORDING MODE F
010030 RECORD CONTAINS 320 CHARACTERS
010040 BLOCK CONTAINS 10 RECORDS
010050 LABEL RECORDS STANDARD
010060 DATA RECORD MAST.
010070 01 MAST.
010080 02 STATE-ID.
010090 03 ST-CODE PICTURE XX.
010100 03 IND-ID PICTURE X(8).
010110 02 DOB.
010120 03 B-MM PICTURE XX.
010130 03 B-DD PICTURE XX.
010140 03 B-YY PICTURE XX.
010150 02 V1 PICTURE XX.
010160 02 R1 REDEFINES V1 PICTURE S99.
010170 02 V2 PICTURE XX.
010180 02 R2 REDEFINES V2 PICTURE S99.
010190 02 V3 PICTURE XX.
010200 02 R3 REDEFINES V3 PICTURE S99.
012010 02 V4 PICTURE XX.

```

APPENDIX F

Listing of SKIRT Program

012020	02	R4	REDEFINES V4	PICTURE S99.
012030	02	V5		PICTURE XX.
012040	02	R5	REDEFINES V5	PICTURE S99.
012050	02	FILLER		PICTURE X(44).
012060	02	V6		PICTURE XXX.
012070	02	R6	REDEFINES V6	PICTURE S999.
012080	02	V7		PICTURE XX.
012090	02	R7	REDEFINES V7	PICTURE S99.
012100	02	V8		PICTURE XXXXX.
012110	02	R8	REDEFINES V8	PICTURE S99999.
012120	02	FILLER		PICTURE XXXX.
012130	02	V9		PICTURE XXX.
012140	02	R9	REDEFINES V9	PICTURE S999.
012150	02	V10		PICTURE XX.
012160	02	R10	REDEFINES V10	PICTURE S99.
012170	02	V11		PICTURE XXXXX.
012180	02	R11	REDEFINES V11	PICTURE S99999.
012190	02	FILLER		PICTURE XXXX.
014010	02	V12		PICTURE XXX.
014020	02	R12	REDEFINES V12	PICTURE S999.
014030	02	V13		PICTURE XX.
014040	02	R13	REDEFINES V13	PICTURE S99.
014050	02	V14		PICTURE XXXXX.
014060	02	R14	REDEFINES V14	PICTURE S99999.
014070	02	FILLER		PICTURE XXXX.
014080	02	V15		PICTURE XXX.
014090	02	R15	REDEFINES V15	PICTURE S999.
014100	02	V16		PICTURE XX.
014110	02	R16	REDEFINES V16	PICTURE S99.
014120	02	V17		PICTURE XXXXX.
014130	02	R17	REDEFINES V17	PICTURE S99999.
014140	02	FILLER		PICTURE XXXX.
014150	02	V18		PICTURE XXX.
014160	02	R18	REDEFINES V18	PICTURE S999.
014170	02	V19		PICTURE XX.
014180	02	R19	REDEFINES V19	PICTURE S99.
014190	02	V20		PICTURE XXXXX.
014200	02	R20	REDEFINES V20	PICTURE S99999.
016010	02	FILLER		PICTURE X(18).
016020	02	V21		PICTURE XXXXX.
016030	02	R21	REDEFINES V21	PICTURE S99999.
016040	02	FILLER		PICTURE X(5).
016050	02	V22		PICTURE XXX.
016060	02	R22	REDEFINES V22	PICTURE S999.
016070	02	V23		PICTURE XXX.
016080	02	R23	REDEFINES V23	PICTURE S999.
016090	02	V24		PICTURE XXX.
016100	02	R24	REDEFINES V24	PICTURE S999.

016110	02	FILLER		PICTURE X(79).
016120	02	V25		PICTURE XXXX.
016130	02	R25	REDEFINES V25	PICTURE S999V9.
016140	02	V26		PICTURE XXXX.
016150	02	R26	REDEFINES V26	PICTURE S9999.
016160	02	V27		PICTURE XXXX.
016170	02	R27	REDEFINES V27	PICTURE S9999.
016180	02	V28		PICTURE XXXX.
016190	02	R28	REDEFINES V28	PICTURE S9999.
018010	02	V29		PICTURE XXXX.
018020	02	R29	REDEFINES V29	PICTURE S9999.
018030	02	V30		PICTURE XXXX.
018040	02	R30	REDEFINES V30	PICTURE S9999.
018050	02	V31		PICTURE XXXX.
018060	02	R31	REDEFINES V31	PICTURE S9999.
018070	02	V32		PICTURE XXXX.
018080	02	R32	REDEFINES V32	PICTURE S9999.
018090	02	V33		PICTURE XXXX.
018100	02	R33	REDEFINES V33	PICTURE S9999.
018110	02	V34		PICTURE XXXX.
018120	02	R34	REDEFINES V34	PICTURE S9999.
018130	02	V35		PICTURE XXXX.
018140	02	R35	REDEFINES V35	PICTURE S9999.
018150	02	V36		PICTURE XXXX.
018160	02	R36	REDEFINES V36	PICTURE S9999.
018170	02	FILLER		PICTURE X(20).
018				
020010	FD	SOC SKIRT		
020020		RECORDING MODE F		
020030		RECORD CONTAINS 96 CHARACTERS		
020040		BLOCK CONTAINS 10 RECORDS		
020050		LABEL RECORDS STANDARD		
020060		DATA RECORD SKIRT.		
020070	01	SKIRT.		
020080	02	VAR-NO		PICTURE XXX.
020090	02	FILLER		PICTURE X(9).
020100	02	M-S		PICTURE X.
020110	02	MEAN		PICTURE 99999V99999.
020120	02	SD-S		PICTURE X.
020130	02	STD-DEV		PICTURE 99999V99999.
020140	02	SK-S		PICTURE X.
020150	02	SKEW		PICTURE 99999V99999.
020160	02	SP-S		PICTURE X.
020170	02	S-PROB		PICTURE 99999V99999.
020180	02	K-S		PICTURE X.
020190	02	KURT		PICTURE 99999V99999.
020200	02	KP-S		PICTURE X.
020210	02	K-PROB		PICTURE 99999V99999.

```

020220 02 FILLER PICTURE X(18).
220010 WORKING-STORAGE SECTION.
220020 77 U COMPUTATIONAL-2.
220040 77 A COMPUTATIONAL-2.
220060 77 M COMPUTATIONAL-2.
220060 77 M2 COMPUTATIONAL-2.
220060 77 M3 COMPUTATIONAL-2.
220060 77 M4 COMPUTATIONAL-2.
220060 77 I PICTURE S99 COMPUTATIONAL
VALUE 00.
220100 77 PROB COMPUTATIONAL-2.
220120 77 FF COMPUTATIONAL-2.
220140 77 X COMPUTATIONAL-2.
220160 77 X2 COMPUTATIONAL-2.
220180 77 X-U2 COMPUTATIONAL-2.
220200 77 X-U3 COMPUTATIONAL-2.
220220 77 X-U4 COMPUTATIONAL-2.
220
220
024010 77 B COMPUTATIONAL-2.
024050 77 B2 COMPUTATIONAL-2.
024070 77 FR COMPUTATIONAL-2.
024090 77 DA COMPUTATIONAL-2.
024110 77 DB COMPUTATIONAL-2.
024130 77 AA COMPUTATIONAL-2.
024150 77 BB COMPUTATIONAL-2.
024170 77 AAA COMPUTATIONAL-2.
024190 77 BBB COMPUTATIONAL-2.
024210 77 Z COMPUTATIONAL-2.
026010 01 VAR-TABLE.
026020 02 VAR-ANS OCCURS 36 TIMES.
026030 03 VN PICTURE XXX.
026040 03 FILLER PICTURE X(5).
026050 03 N COMPUTATIONAL-2.
026060 03 EX COMPUTATIONAL-2.
026070 03 EX2 COMPUTATIONAL-2.
026080 03 EX-U2 COMPUTATIONAL-2.
026090 03 EX-U3 COMPUTATIONAL-2.
026100 03 EX-U4 COMPUTATIONAL-2.
01 VAR-NO-TAB.
02 VAR-NO-VALUE.
03 FILLER PICTURE X(51) VALUE
'004005006007008027028029034035036041042043048049050'.
03 FILLER PICTURE X(51) VALUE
'055056057065071072073099100101102103104105106107108'.
03 FILLER PICTURE X(6) VALUE
'109110'.
02 VAR-NO-RED REDEFINES VAR-NO-TAB.

```

```

03 VNC OCCURS 36 TIMES PICTURE XXX.
028010 PROCEDURE DIVISION.
028020 PERFORM ZERO-TAB1 VARYING I FROM 1 BY 1 UNTIL I > 36.
028030
028040 GO TO OPEN-FILES.
028050
028060
028070 ZERO-TAB1.
MOVE VNC (I) TO VN (I).
028090 MOVE 0 TO N (I).
028100 MOVE 0 TO EX (I).
028110 MOVE 0 TO EX2 (I).
028120 MOVE 0 TO EX-U2 (I).
028130 MOVE 0 TO EX-U3 (I).
028140 MOVE 0 TO EX-U4 (I).
028150
028160 OPEN-FILES.
028170 OPEN INPUT SOCMASER OUTPUT SOCSKIRT.
028180 MOVE 0 TO I.
028190 PERFORM ACC-EX-EX2-N THRU ACC1-EXIT.
028200 GO TO CLOSE-FIRST.
030010 ACC-EX-EX2-N.
030020 READ SOCMASER AT END GO TO ACC1-EXIT.
030030 IF V1 NUMERIC MOVE R1 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030040 IF V2 NUMERIC MOVE R2 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030050 IF V3 NUMERIC MOVE R3 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030060 IF V4 NUMERIC MOVE R4 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030070 IF V5 NUMERIC MOVE R5 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030080 IF V6 NUMERIC MOVE R6 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030090 IF V7 NUMERIC MOVE R7 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030100 IF V8 NUMERIC MOVE R8 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030110 IF V9 NUMERIC MOVE R9 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030120 IF V10 NUMERIC MOVE R10 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030130 IF V11 NUMERIC MOVE R11 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030140 IF V12 NUMERIC MOVE R12 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030150 IF V13 NUMERIC MOVE R13 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030160 IF V14 NUMERIC MOVE R14 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030170 IF V15 NUMERIC MOVE R15 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030180 IF V16 NUMERIC MOVE R16 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030190 IF V17 NUMERIC MOVE R17 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
030200 IF V18 NUMERIC MOVE R18 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03201 IF V19 NUMERIC MOVE R19 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03202 IF V20 NUMERIC MOVE R20 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03203 IF V21 NUMERIC MOVE R21 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03204 IF V22 NUMERIC MOVE R22 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03205 IF V23 NUMERIC MOVE R23 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03206 IF V24 NUMERIC MOVE R24 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03207 IF V25 NUMERIC MOVE R25 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.

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03208 IF V26 NUMERIC MOVE R26 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03209 IF V27 NUMERIC MOVE R27 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03210 IF V28 NUMERIC MOVE R28 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03211 IF V29 NUMERIC MOVE R29 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03212 IF V30 NUMERIC MOVE R30 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03213 IF V31 NUMERIC MOVE R31 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03214 IF V32 NUMERIC MOVE R32 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03215 IF V33 NUMERIC MOVE R33 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03216 IF V34 NUMERIC MOVE R34 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03217 IF V35 NUMERIC MOVE R35 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03218 IF V36 NUMERIC MOVE R36 TO X PERFORM C-X-X2 ELSE ADD 1 TO I.
03219 MOVE 0 TO I.
03220 GO TO ACC-EX-EX2-N.
03401 C-X-X2.
03402 ADD 1 TO I.
      IF X NOT = 0 PERFORM C-X-X2-2.
      C-X-X2-2.
03403 ADD 1 TO N (I).
03404 ADD X TO EX (I).
03405 COMPUTE X2 = X ** 2.
03406 ADD X2 TO EX2 (I).
03407 ACC1-EXIT.
03408 EXIT.
03409
03410 CLOSE-FIRST.
03411 CLOSE SOCMASER.
03412
03413 OPEN-2.
03414 OPEN INPUT SOCMASER.
03601
03602 MOVE 0 TO I.
03603 PERFORM ACC-EX-U3-EX-U4 THRU ACC2-EX.
03604 GO TO CLOSE-SECOND
03607 ACC-EX-U3-EX-U4.
03608 READ SOCMASER AT END GO TO ACC2-EX.
03609 IF V1 NUMERIC MOVE R1 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03610 IF V2 NUMERIC MOVE R2 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03611 IF V3 NUMERIC MOVE R3 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03612 IF V4 NUMERIC MOVE R4 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03613 IF V5 NUMERIC MOVE R5 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03614 IF V6 NUMERIC MOVE R6 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03615 IF V7 NUMERIC MOVE R7 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03616 IF V8 NUMERIC MOVE R8 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03617 IF V9 NUMERIC MOVE R9 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03618 IF V10 NUMERIC MOVE R10 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03619 IF V11 NUMERIC MOVE R11 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03620 IF V12 NUMERIC MOVE R12 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03622 IF V13 NUMERIC MOVE R13 TO X PERFORM C-EX-U ELSE ADD 1 TO I.

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03623 IF V14 NUMERIC MOVE R14 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03624 IF V15 NUMERIC MOVE R15 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03801 IF V16 NUMERIC MOVE R16 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03802 IF V17 NUMERIC MOVE R17 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03803 IF V18 NUMERIC MOVE R18 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03804 IF V19 NUMERIC MOVE R19 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03805 IF V20 NUMERIC MOVE R20 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03806 IF V21 NUMERIC MOVE R21 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03807 IF V22 NUMERIC MOVE R22 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03808 IF V23 NUMERIC MOVE R23 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03809 IF V24 NUMERIC MOVE R24 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03810 IF V25 NUMERIC MOVE R25 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03811 IF V26 NUMERIC MOVE R26 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03812 IF V27 NUMERIC MOVE R27 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03813 IF V28 NUMERIC MOVE R28 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03814 IF V29 NUMERIC MOVE R29 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03815 IF V30 NUMERIC MOVE R30 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03816 IF V31 NUMERIC MOVE R31 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03817 IF V32 NUMERIC MOVE R32 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03818 IF V33 NUMERIC MOVE R33 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03819 IF V34 NUMERIC MOVE R34 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03820 IF V35 NUMERIC MOVE R35 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03821 IF V36 NUMERIC MOVE R36 TO X PERFORM C-EX-U ELSE ADD 1 TO I.
03822 MOVE 0 TO I.
03823 GO TO ACC-EX-U3-EX-U4.
04001
04003 C-EX-U.
04004 ADD 1 TO I.
      IF X NOT = 0 PERFORM C-EX-U-2.
      C-EX-U-2.
04005 COMPUTE X-U2 = (X - (EX (I) / N (I))) ** 2.
04006 ADD X-U2 TO EX-U2 (I).
      COMPUTE X-U3 = (X - (EX (I) / N (I))).
      IF X-U3 NEGATIVE COMPUTE X-U3 = (X-U3 ** 3 * -1.0)
      ELSE COMPUTE X-U3 = X-U3 ** 3.
04008 ADD X-U3 TO EX-U3 (I).
04009 COMPUTE X-U4 = (X - (EX (I) / N (I))) ** 4.
04010 ADD X-U4 TO EX-U4 (I).
04014 ACC2-EX.
04015 EXIT.
04201 CLOSE-SECOND.
04202 CLOSE SOCMASER.
04206 PERFORM FINAL-CAL THRU FINAL-EXIT VARYING I FROM 1 BY 1
04207 UNTIL I > 36.
04208 CLOSE SOCSKIRT.
      STOP RUN.
04401 FINAL-CAL.
04405 MOVE VN (I) TO VAR-NO.

```

```

IF N (I) = 0 MOVE 0.0 TO MEAN, STD-DEV, SKEW, KURT, S-PROB
K-PROB MOVE ' ' TO M-S, SD-S, SK-S, K-S, SP-S, KP-S
WRITE SKIRT GO TO FINAL-EXIT.
04406 COMPUTE U = EX (I) / N (I).
04407 IF U NEGATIVE MOVE '-' TO M-S ELSE MOVE '+' TO M-S.
MOVE U TO MEAN.
COMPUTE A = ((EX2 (I) / N (I)) - (EX (I) / N (I)) ** 2)
** 0.5.
IF A NEGATIVE MOVE '-' TO SD-S ELSE MOVE '+' TO SD-S.
MOVE A TO STD-DEV.
04411 COMPUTE M2 = EX-U2 (I) / N (I).
04412 COMPUTE M3 = EX-U3 (I) / N (I).
04413 IF M2 NEGATIVE COMPUTE B = (M3 ** 2) / (M2 ** 3 * -1.0)
ELSE COMPUTE B = (M3 ** 2) / (M2 ** 3).
IF B NEGATIVE MOVE '-' TO SK-S ELSE MOVE '+' TO SK-S.
MOVE B TO SKEW.
04415 COMPUTE M4 = EX-U4 (I) / N (I).
04416 COMPUTE B2 = (M4 / (M2 ** 2)) - 3.0.
04417 IF B2 NEGATIVE MOVE '-' TO K-S ELSE MOVE '+' TO K-S.
04418 MOVE B2 TO KURT.
04419 COMPUTE FR = B ** 2.
04420 PERFORM CAL-PROB THRU PROB-EXIT.
05001 IF PROB NEGATIVE MOVE '-' TO SP-S ELSE MOVE '+' TO SP-S.
05002 MOVE PROB TO S-PROB.
05003 COMPUTE FR = B2 ** 2.
05004 PERFORM CAL-PROB THRU PROB-EXIT.
05005 IF PROB NEGATIVE MOVE '-' TO KP-S ELSE MOVE '+' TO KP-S.
05006 MOVE PROB TO K-PROB.
05007 WRITE SKIRT.
05008 GO TO FINAL-EXIT.
04601 CAL-PROB.
MOVE 01.0 TO PROB.
MOVE 1 TO DA.
04603 COMPUTE DB = N (I) - 1.
04604 IF DB = 00000000.00000000 GO TO PROB-EXIT.
04605 IF FR = 00000000.00000000 GO TO PROB-EXIT.
04606 MOVE FR TO FF.
04607 IF FF NOT < 1.0 MOVE DA TO AA MOVE DB TO BB MOVE FR TO FF
05009 GO TO PROB1.
04610 MOVE DB TO AA MOVE DA TO BB COMPUTE FF = 1.0 / FR.
04611 PROB1.
05012 COMPUTE AAA = 2.0 / (9.0 * AA).
04613 COMPUTE BBB = 2.0 / (9.0 * BB).
04614 COMPUTE Z = ((1.0 - BBB) * FF ** 0.333333 - 1.0 + AAA) /
04615 (BBB * FF ** 0.666667 + AAA) ** 0.5.
04616 IF Z NEGATIVE COMPUTE Z = Z * -1.0.
IF BB NOT < 4.0 GO TO P8.
04617 COMPUTE Z = Z * (1.0 + 0.08 * Z ** 4.0 / BB ** 3).
04618

```

```

04619 P8.
04620 COMPUTE PROB = 0.5 / (1.0 + Z * (0.196854 + Z * (0.115194
04621 + Z * (0.000344 + Z * 0.019527)))) ** 4.
04622 IF FR NOT < 1.0 GO TO P22.
04801 COMPUTE PROB = 1.0 - PROB.
04802 P22.
IF PROB < .0001 MOVE .00011 TO PROB.
04804 PROB-EXIT.
04805 EXIT.
05010 FINAL-EXIT.
EXIT.

```

APPENDIX G  
 Listing of SUMSTAT Program

```
*      TITLE:  SUMSTAT
*      AUTHOR:  THOMAS E. BROOKS
*      DATE:    JUNE 17,1970
*      INPUT   TYPE      LOGICAL UNIT   NAME      TYPE FILE
*              TAPE      SYS007        FRED      SEQUENTIAL
*              TAPE      SYS008        SKIRT     SEQUENTIAL
*              DISK      SYS013   CODE TABLE SEQUENTIAL
*      OUTPUT  TYPE      LOGICAL UNIT   NAME      TYPE FILE
*              PRINT     SYSLSST
```

```
*      REMARKS:
*              THIS PROGRAM READS      FRED AND SKIRT TAPES AND
*      THE VARIABLE CODE TABLE. IT COMBINES FRED AND
*      SKIRT OUTPUT ALONG WITH NAMES FOR EACH VARIABLE
*      AND PRINTS A REPORT.
```

```
SUMSTAT  START X'2850'
FRED      DTFMT
          BLKSIZE=2510,
          DEVADDR=SYS007,
          EOFADDR=ENDFILE,
          FILABL=STD,
          IOAREA1=FAREA,
          RECFORM=FIXUNB
SKIRT     DTFMT
          BLKSIZE=960,
          DEVADDR=SYS008,
          EOFADDR=ENDFILE,
          FILABL=STD,
          IOAREA1=BUFFER,
          RECFORM=FIXBLK,
```

X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X

```

RECSIZE=96,
WORKA=YES
CODES DTFSD
BLKSIZE=1688,
EOFADDR=ENDFILE,
IOAREA1=CAREA,
DEVICE=2314
PRINT DTFPR
DEVADDR=SYSLST,
IOAREA1=PAREA,
BLKSIZE=133,
CTLCHR=ASA
BEGIN BALR 2,0
USING FIRST,2,3,4
FIRST LM 3,4,BASE
B GO
BASE DC A(FIRST+4096)
DC A(FIRST+8192)
FAREA DS CL2510
BUFFER DS 10CL96
SAREA DS CL96
CAREA DS CL1688
CASCADE DC CL1' '
PAREA DC CL133'1'
PP PUT PRINT
MVC PAREA,CASCADE
BR 5
DOUBLE DS D
INVFR DS CL2
INVPR DS CL3
GO OPEN FRED,SKIRT,CODES,PRINT
READNEXT GET FRED
LOOP1 GET CODES
CLC FAREA+1(2),CAREA+11
BNE LOOP1
CLI CAREA+3,C'D'
BE DISCR
CONT GET SKIRT,SAREA
CLC CAREA(3),SAREA
BNE CONT
MVC PAREA+53(25),CAREA+13
BAL 5,PP
MVC PAREA+37(52),=C'MEAN =
ON =
MVC PAREA+44(6),SAREA+12
MVC PAREA+51(5),SAREA+18
MVC PAREA+82(6),SAREA+23
MVC PAREA+89(5),SAREA+29

```

X  
X  
X  
X  
X  
X  
X  
X  
X

STANDARD DEVIATIX

```

MVI PAREA,X'FO'
BAL 5,PP
MVC PAREA+37(52),=C'SKEW =
=
MVC PAREA+44(6),SAREA+34
MVC PAREA+51(5),SAREA+40
MVC PAREA+82(6),SAREA+45
MVC PAREA+89(5),SAREA+51
MVI PAREA,X'FO'
BAL 5,PP
MVC PAREA+33(56),=C'KURTOSIS =
=
MVC PAREA+44(6),SAREA+56
MVC PAREA+51(5),SAREA+62
MVC PAREA+82(6),SAREA+67
MVC PAREA+89(5),SAREA+73
MVI PAREA,X'FO'
BAL 5,PP
ONE MVC PAREA+52(28),=C'FREQUENCY DISTRIBUTION TABLE'
MVI PAREA,X'FO'
BAL 5,PP
MVC PAREA+50(33),=C'RESPONSE FREQUENCY PERCENTAGE'
MVI PAREA,X'FO'
BAL 5,PP
ZAP DOUBLE,FAREA+3(2)
CVB 6,DOUBLE
PLOP1 LA 7,FAREA+10
MVC PAREA+51(5),0(7)
MVC PAREA+63(4),=X'40202020'
ED PAREA+63(4),5(7)
MVC PAREA+74(7),=X'402020214B2020'
ED PAREA+74(7),7(7)
A 7,=F'10'
BAL 5,PP
BCT 6,PLOP1
MVC PAREA+51(6),=C'TOTALS'
MVC PAREA+63(4),=X'40202020'
ED PAREA+63(4),FAREA+5
MVC PAREA+75(6),=C'100.00'
BAL 5,PP
MVI PAREA,X'F1'
B READNEXT
DISCR MVC PAREA+53(25),CAREA+13
BAL 5,PP
CLC FAREA(3),=C'001'
BE ONE
CLC FAREA(3),=C'007'
BE ONE

```



```

MVC PAREA+52(28),=C'FREQUENCY DISTRIBUTION TABLE'
MVI PAREA,X'FO'
BAL 5,PP
MVC PAREA+41(41),=C'RESPONSE          FREQUENCY  PERCENTAGX
E'
MVI PAREA,X'FO'
BAL 5,PP
ZAP INVFR,=P'0'
ZAP INVPR,=P'0'
ZAP DOUBLE,FAREA+3(2)
CVS 6,DOUBLE
LA 7,FAREA+10
LA 8,CAREA+38
PACK DOUBLE,CAREA+9(2)
CVB 9,DOUBLE
PLOP2 CLC 0(5,7),3(8)
BL INVALID
BH MAYBE
MVC PAREA+33(25),8(8)
MVC PAREA+62(4),=X'40202020'
ED PAREA+62(4),5(7)
MVC PAREA+73(7),=X'402020214B2020'
ED PAREA+73(7),7(7)
A 7,=F'10'
BAL 5,PP
EPLOP2 BCT 6,PLOP2
CP INVFR,=P'0'
BE TOTAL
MVC PAREA+33(17),=C'INVALID RESPONSES'
MVC PAREA+62(4),=X'40202020'
ED PAREA+62(4),INVFR
MVC PAREA+73(7),=X'402020214B2020'
ED PAREA+73(7),INVPR
BAL 5,PP
TOTAL MVC PAREA+50(6),=C'TOTALS'
MVC PAREA+62(4),=X'40202020'
ED PAREA+62(4),FAREA+5
MVC PAREA+74(6),=C'100.00'
MVI PAREA,X'FO'
BAL 5,PP
MVI PAREA,X'F1'
B READNEXT
INVALID AP INVFR,5(2,7)
AP INVPR,7(3,7)
A 7,=F'10'
B EPLOP2
MAYBE C 9,=F'0'
BE INVALID

```

```

A 8,=F'33'
BCT 9,PLOP2
B INVALID
ENDFILE CLOSE FRED,SKIRT,CODES,PRINT
EOJ
END BEGIN

```

APPENDIX H  
 Listing of HISTOGRAM Program

// EXEC SOC05A04

00101 IDENTIFICATION DIVISION.  
 00102 PROGRAM-ID. 'SC10CSOC'.  
 00103 AUTHOR. M B BULLARD.  
 00104 DATE-WRITTEN. JUNE 1970.  
 REMARKS.

PURPOSE TO PRINT A HISTOGRAM PLOT OF 54 DECRETE VARIABLES  
 THAT EXIST ON THE SEARCH MASTER  
 METHOD FIRST READ TWO CONTROL CARDS THAT CONTAIN THE NAME  
 OF THE PLOT AND THE SCALING FACTOR OF EACH VARIABLE IF  
 SCALING FACTOR IS OMITTED THAN 1 IS USED  
 MATCH THE RECORDS OF THE FREQUENCY DIST TAPE (FRED)  
 WITH EQUAL VARIABLES ON THE CODE TABLE FILE WHICH CONTAIN  
 S NAMES OF THE VARIABLE AND RESPONSES

PRINT OUT ON PRINTER A PLOT OF EACH RESPONSE THAT OCCURS  
 IN THE FREQUENCY DISTRIBUTION TABLE GROUPING ALL INVALID

INPUT	TYPE	LOGICAL UNIT	FILE NAME	FILE TYPE	REC L
	CARD	SYS010	CON CARD	TWO CARDS	80 F
	TAPE	SYS050	FRED	SEQ TAPE	2510 F
	DISK	SYS049	CODE TAB	SEQ DISK	1688 F
OUTPUT	TYPE	LOGICAL UNIT	FILE NAME	FILE TYPE	REC L
	REPORT	SYS012	HISTOGRAM	UNIT RECORD	133 F

00301 ENVIRONMENT DIVISION.  
 00302 CONFIGURATION SECTION.  
 00303 SOURCE-COMPUTER. IBM-360.  
 00304 OBJECT-COMPUTER. IBM-360.  
 00305 INPUT-OUTPUT SECTION.  
 00306 FILE-CONTROL.  
 00307 SELECT SEAFDT ASSIGN 'SYS050' UTILITY 2400 UNIT.  
 00308 SELECT SEAHPD ASSIGN 'SYS012' UNIT-RECORD 1403 UNIT.  
 00309 SELECT SEAVCT ASSIGN 'SYS049' UTILITY 2314 UNIT.  
 00310 SELECT SEACRD ASSIGN 'SYS010' UNIT-RECORD 2540R UNIT.  
 00501 DATA DIVISION.  
 00502 FILE SECTION.  
 00503 FD SEAFDT  
 00504 RECORDING MODE F  
 00505 LABEL RECORDS STANDARD  
 00506 RECORD CONTAINS 2510 CHARACTERS  
 00507 BLOCK CONTAINS 1 RECORDS  
 00508 DATA RECORDS ARE FD-TAB.  
 00509 01 FD-TAB.  
 00510 02 FD-KEY.  
 00511 03 FILLER PICTURE X.  
 00512 03 FD-VNUM PICTURE XX.  
 00513 03 FD-NORESP PICTURE S999 COMPUTATIONAL-3.  
 00514 03 FD-SUB PICTURE S999 COMPUTATIONAL-3.  
 00515 03 FILLER PICTURE XXX.  
 00516 02 FD-TABLE OCCURS 250 TIMES.  
 00517 03 FD-C PICTURE XXXXX.

00518 03 FD-F PICTURE S999 COMPUTATIONAL-3.  
 00519 03 FD-P PICTURE S999V99 COMPUTATIONAL-3.  
 00701 FD SEAVCT  
 00702 RECORDING MODE F  
 00703 LABEL RECORDS STANDARD  
 00704 RECORD CONTAINS 1688 CHARACTERS  
 00705 BLOCK CONTAINS 1 RECORDS  
 00706 DATA RECORDS ARE VC-TAB.  
 00707  
 00708 01 VC-TAB.  
 00709 02 VC-KEY.  
 00710 03 VC-VNUM PICTURE XXX.  
 00711 03 VC-VTYP PICTURE X.  
 00712 03 VC-VPOS PICTURE 999.  
 00713 03 VC-VLTH PICTURE XX.  
 00714 03 VC-VRESP PICTURE 99.  
 00715 03 VC-F PICTURE XX.  
 00716 03 VC-VNAM PICTURE X(25).  
 00717 02 VC-TABLE OCCURS 50 TIMES.  
 00718 03 FILLER PICTURE XXX.  
 00719 03 VC-RES PICTURE XXXXX.  
 00720 03 VC-RNAM PICTURE X(25).  
 00901 FD SEAHPD  
 00902 RECORDING MODE F  
 00903 RECORD CONTAINS 133 CHARACTERS  
 00904 BLOCK CONTAINS 1 RECORDS  
 00905 LABEL RECORDS OMITTED  
 00906 DATA RECORDS ARE PRT-LINE.  
 00907 01 PRT-LINE.  
 00908 02 C PICTURE X.  
 00909 02 PRT-LIN PICTURE X(132).  
 01101 FD SEACRD  
 01102 RECORDING MODE F  
 01103 RECORD CONTAINS 80 CHARACTERS  
 01104 BLOCK CONTAINS 1 RECORDS  
 01105 LABEL RECORDS OMITTED  
 01106 DATA RECORDS ARE SEA-CTRL-CRD.  
 01107  
 01108 01 SEA-CTRL-CRD.  
 01109 02 CARD-1.  
 01110 04 CARD-ID PICTURE X(7).  
 01111 04 RPT-ID PICTURE X(25).  
 01112 04 FILLER PICTURE X(48).  
 01113 02 CARD-2 REDEFINES CARD-1.  
 01114 04 FILLER PICTURE X(7).  
 01115 04 V-S PICTURE X OCCURS 54 TIMES.  
 01116 04 FILLER PICTURE X(19).  
 01301 WORKING-STORAGE SECTION.

01302 77 I PICTURE S999 COMPUTATIONAL  
 01303 VALUE 000.  
 01304 77 K PICTURE S999 COMPUTATIONAL  
 01305 VALUE 000.  
 01306 77 N PICTURE S999 COMPUTATIONAL  
 01307 VALUE 000.  
 01308 77 W-SCAL PICTURE S9 COMPUTATIONAL-3.  
 01309  
 01310 77 P-CNT PICTURE S999 COMPUTATIONAL-3  
 01311 VALUE 000.  
 01312 77 DW-SCAL PICTURE S999 COMPUTATIONAL-3.  
 01313  
 01314 77 L PICTURE S999 COMPUTATIONAL-3  
 01315 VALUE 000.  
 01316 77 J PICTURE S999 COMPUTATIONAL  
 VALUE 000.  
 77 SAV-VC-F PICTURE XX VALUE ' '.  
 77 INVAL-SW PICTURE 9 VALUE 0.  
 77 W-RES-NAM PICTURE X(25).  
 77 INVAL-CNT PICTURE 999 VALUE 0.  
 01501 01 HD-1.  
 01502 02 FILLER PICTURE X VALUE '1'.  
 01503 02 FILLER PICTURE X(58) VALUE  
 01504 ' P R O '  
 01505 02 FILLER PICTURE X(58) VALUE  
 01506 'J E C T S E A R C H  
 01507 02 FILLER PICTURE X(16) VALUE  
 01508 ' .  
 01509 01 HD-2.  
 01510 02 FILLER PICTURE X(54) VALUE SPACES.  
 01511 02 H-TITLE PICTURE X(25) VALUE SPACES.  
 01512 02 FILLER PICTURE X(54) VALUE SPACES.  
 01513 01 HD-3.  
 01514 02 FILLER PICTURE X(11) VALUE  
 01515 ' RUN DATE '  
 01516 02 H-MO PICTURE XX VALUE SPACES.  
 01517 02 FILLER PICTURE X VALUE '---'.  
 01518 02 A-DAY PICTURE XX VALUE SPACES.  
 01519 02 FILLER PICTURE X VALUE '---'.  
 01520 02 H-YR PICTURE XX VALUE SPACES.  
 01701 02 FILLER PICTURE X(39) VALUE  
 01702 ' PLOT OF '  
 01703 02 H-RESP-NAM PICTURE X(25) VALUE SPACES.  
 01704 02 FILLER PICTURE X(46) VALUE  
 01705 ' PAGE '  
 01706 02 H-P-CNT PICTURE ZZZZ.  
 01707 01 HD-4.  
 01708 02 FILLER PICTURE X(58) VALUE

```

01710      '0
          02 FILLER          PICTURE X(27)  VALUE
          'NSES          SCALING FACTOR '.
          02 H-SCAL          PICTURE 9.
          02 FILLER          PICTURE X(46)  VALUE SPACES.
01713 01  HD-5.
01714      02 FILLER          PICTURE X(58)  VALUE
01715      '          RESPONSE NAMES          1  5  10  15  20  25  30
01716      02 FILLER          PICTURE X(58)  VALUE
01717      '  35  40  45  50  55  60  65  70  75  80  85
01718      02 FILLER          PICTURE X(17)  VALUE
01719      '90  95  100  '
01720
01901 01  HD-6.
01902      02 FILLER          PICTURE X(58)  VALUE
01903      '+
01904      02 FILLER          PICTURE X(58)  VALUE
01905      '
01906      02 FILLER          PICTURE X(17)  VALUE
01907      '-----'
01908 01  DET-LIN.
01909      02 C-C          PICTURE X          VALUE SPACES.
01910      02 D-RES-NAM      PICTURE X(25)  VALUE SPACES.
01911      02 FILLER          PICTURE XX          VALUE ' | '.
01912      02 D-ASTRIC      PICTURE X(105)  VALUE SPACES.
01913      02 D-A REDEFINES D-ASTRIC PICTURE X OCCURS 105 TIMES.
01914
01915 01  FD-F-DIV.
01916      02 FD-FD          PICTURE 999.
01917      02 FD-FDD REDEFINES FD-FD.
01918          03 FD-1          PICTURE 9.
01919          03 FD-2          PICTURE 9.
01920          03 FD-3          PICTURE 9.
02101 01  SCALING-FACTOR.
02102      02 F-VAR-NO.
02103          04 FILLER          PICTURE X(57)  VALUE
02104          '08 09 10 11 12 13 14 15 16 17 18 19 20 24 25 26 27 31 32 '
02105          04 FILLER          PICTURE X(57)  VALUE
02106          '33 34 38 39 40 41 45 46 47 48 52 53 54 55 56 58 59 60 61 '
02107          04 FILLER          PICTURE X(48)  VALUE
02108          '62 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 '
02109      02 F-VAR-NO1 REDEFINES F-VAR-NO.
02110      03 LUP-TAB          OCCURS 54 TIMES.
02111          04 FT-NO          PICTURE XX.
02112          04 F          PICTURE X.
01 REAL-F.
          02 REA-F          PICTURE X.
          02 R-F REDEFINES REA-F PICTURE S9.

```

```

01 RUNDATE.
          02 R-MO          PICTURE XX.
          02 FILLER          PICTURE X.
          02 R-DAY          PICTURE XX.
          02 FILLER          PICTURE X.
          02 R-YR          PICTURE XX.
02301 PROCEDURE DIVISION.
02302 OPEN INPUT SEAFDT, SEAVCT, SEACRD, OUTPUT SEAHPD.
          ENTER LINKAGE.
          CALL 'DATE' USING RUNDATE.
          ENTER COBOL.
          MOVE R-MO TO H-MO.
          MOVE R-DAY TO A-DAY.
          MOVE R-YR TO H-YR.
02303 READCD.
02304 READ SEACRD AT END GO TO INVAL-CRD.
02305 IF CARD-ID = 'SEARCH1' MOVE RPT-ID TO H-TITLE GO TO READCD.
02306 IF CARD-ID = 'SEARCH2' PERFORM VALIDATE-SCALE VARYING
          I FROM 1 BY 1 UNTIL I > 54 GO TO READVC.
02308 INVAL-CRD.
02309 DISPLAY 'CONTROL CARDS INVALID' STOP RUN.
02310 VALIDATE-SCALE.
02311 IF V-S (I) NUMERIC MOVE V-S (I) TO F (I) ELSE MOVE 1
          TO F (I).
02312 READVC.
02313 READ SEAVCT AT END GO TO EOJ1.
02314 IF VC-VTYP NOT = 'D' GO TO READVC.
02315 IF VC-F < '08' GO TO READVC.
02316 MOVE VC-F TO SAV-VC-F.
02317 READFD.
02318 READ SEAFDT AT END GO TO EOJ1.
02319 COM-PAR-VN.
02320 IF FD-VNUM < SAV-VC-F GO TO READFD.
          023 IF FD-VNUM = SAV-VC-F GO TO PROCESS-REC.
          023 PERFORM READVC GO TO COM-PAR-VN.
02501 PROCESS-REC.
02502 PERFORM FIN-SCAL VARYING I FROM 1 BY 1 UNTIL I > 54.
          MOVE W-SCAL TO H-SCAL.
02503 GO TO HEAD-ROU.
02504
02505 FIN-SCAL.
          IF FD-VNUM = FT-NO (I) MOVE F (I) TO REA-F MOVE R-F TO
          W-SCAL MOVE 55 TO I.
02507
02508 HEAD-ROU.
02509 MOVE HD-1 TO PRT-LINE PERFORM WRITE-LIN.
02510 MOVE HD-2 TO PRT-LINE PERFORM WRITE-LIN.
02511 ADD 1 TO P-CNT.

```

02512 MOVE P-CNT TO H-P-CNT.  
 02513 MOVE VC-VNAM TO H-RESP-NAM.  
 02514 MOVE HD-3 TO PRT-LINE PERFORM WRITE-LIN.  
 02515  
 02516  
 02517  
 02518 MOVE HD-4 TO PRT-LINE PERFORM WRITE-LIN.  
 02519 MOVE HD-5 TO PRT-LINE PERFORM WRITE-LIN.  
 02520 MOVE HD-6 TO PRT-LINE PERFORM WRITE-LIN.  
 02701 MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 02702 MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 02703  
 02704  
 02705  
 02706 PERFORM WRT-DET-LIN THRU DET-EXIT VARYING I FROM 1 BY  
 1 UNTIL I > FD-NORESP.  
 IF INVAL-CNT = 0 GO TO FIN-VAR.  
 MOVE 2 TO K.  
 DIVIDE W-SCAL INTO INVAL-CNT GIVING DW-SCAL ROUNDED.  
 PERFORM LOAD-AST VARYING J FROM 1 BY 1 UNTIL J > DW-SCAL.  
 MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 MOVE ' INVALID RESPONSE ' TO D-RES-NAM.  
 MOVE INVAL-CNT TO FD-FD.  
 PERFORM MOVE-FD.  
 FIN-VAR.  
 MOVE 0 TO INVAL-CNT.  
 MOVE HD-6 TO PRT-LINE PERFORM WRITE-LIN.  
 MOVE HD-5 TO PRT-LINE PERFORM WRITE-LIN.  
 MOVE HD-4 TO PRT-LINE MOVE ' ' TO C PERFORM WRITE-LIN.  
 GO TO READVC.  
 02712 WRT-DET-LIN.  
 02719 PERFORM LK-UP-NAM VARYING L FROM 1 BY 1 UNTIL L > VC-VRESP.  
 IF INVAL-SW = 1 MOVE 0 TO INVAL-SW GO TO DET-EXIT.  
 02713 MOVE SPACES TO D-RES-NAM.  
 02714 MOVE SPACES TO D-ASTRIC.  
 DIVIDE W-SCAL INTO FD-F (I) GIVING DW-SCAL ROUNDED.  
 MOVE 2 TO K.  
 02717 PERFORM LOAD-AST VARYING J FROM 1 BY 1 UNTIL J > DW-SCAL.  
 02718 MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 MOVE W-RES-NAM TO D-RES-NAM.  
 02720 MOVE FD-F (I) TO FD-FD.  
 MOVE-FD.  
 027 MOVE FD-1 TO D-A (K) ADD 1 TO K.  
 027 MOVE FD-2 TO D-A (K) ADD 1 TO K.  
 027 MOVE FD-3 TO D-A (K).  
 02901 MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 02902 MOVE ' ' TO D-A (K) SUBTRACT 1 FROM K.  
 02903 MOVE ' ' TO D-A (K) SUBTRACT 1 FROM K.

02904 MOVE ' ' TO D-A (K).  
 02905 MOVE SPACES TO D-RES-NAM.  
 02906 MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 02907 MOVE SPACES TO D-ASTRIC MOVE DET-LIN TO PRT-LINE PERFORM  
 02908 WRITE-LIN MOVE DET-LIN TO PRT-LINE PERFORM WRITE-LIN.  
 02909 DET-EXIT.  
 02910 EXIT.  
 02911 LOAD-AST.  
 IF J < 100 ADD 1 TO K MOVE '\*' TO D-A (J).  
 02914 LK-UP-NAM.  
 IF FD-C (I) = VC-RES (L) MOVE VC-RNAM (L) TO W-RES-NAM  
 02916 MOVE 100 TO L.  
 IF L = VC-VRESP ADD FD-F (I) TO INVAL-CNT MOVE 1 TO INVAL-S.  
 02917 WRITE-LIN.  
 02918 WRITE PRT-LINE AFTER ADVANCING C LINES.  
 02919 EOJ1.  
 02920 CLOSE SEAFDT, SEAHPO, SEAVCT, SEACRD.  
 STOP RUN.

APPENDIX I  
Listing of ID PRINT Program

```

*      TITLE:  ID PRINT
*      AUTHOR  THOMAS E. BROOKS
*      DATE:   JULY 7,1970
*      INPUT   TYPE   LOGICAL UNIT   FILE NAME   TYPE FILE
*              TAPE   SYS007       MASTER       SEQUENTIAL
*      OUTPUT  TYPE   LOGICAL UNIT   FILE NAME   TYPE FILE
*              PRINT  SYSLST
*
*      REMARKS:
*
*              THIS PROGRAM READS FROM THE MASTER FILE AND PRINTS
*      A ONE PAGE REPORT FOR EACH INDIVIDUAL STATE ID.
*
*      ERROR MESSAGES:
*
*              NONE

```

```

MACRO
&NAME DOIT1 &ADD1,&PRINT,&ADD2,&TAPE
&NAME L    5,=A(&ADD1)
MVC   &PRINT+0(25),4(5)
L     5,=A(&ADD2)
MVI   &PRINT+26,C'='
CLI   &TAPE,C' '
BE    *+48
CLI   &TAPE,C'X'
BE    *+50
L     7,0(5)
A     5,=F'29'
CLC   0(1,5),&TAPE
BE    *+42
A     5,=F'26'
BCT   7,*-14
MVC   &PRINT+28(16),IR
B     *+30
MVC   &PRINT+28(5),BL

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B      *+20
MVC    &PRINT+28(14),NA
B      *+10
MVC    &PRINT+28(25),1(5)
MEND
MACRO
&NAME DOIT2 &ADD1, &PRINT, &ADD2, &TAPE
&NAME L      5,=A(&ADD1)
MVC    &PRINT+0(25),4(5)
L      5,=A(&ADD2)
MVI    &PRINT+26,C'='
CLI    &TAPE+1,C' '
BE     *+48
CLI    &TAPE+1,C'X'
BE     *+50
L      7,0(5)
A      5,=F'29'
CLC    0(2,5),&TAPE
BE     *+42
A      5,=F'27'
BCT    7,*-14
MVC    &PRINT+28(16),IR
B      *+30
MVC    &PRINT+28(5),BL
B      *+20
MVC    &PRINT+28(14),NA
B      *+10
MVC    &PRINT+28(25),2(5)
MEND
MACRO
&NAME CT2   &A, &P, &T
&NAME L      5,=A(&A)
MVC    &P+0(25),4(5)
MVI    &P+26,C'='
MVC    &P+28(2),&T
MEND
MACRO
&NAME CT6   &A, &P, &T
&NAME L      5,=A(&A)
MVC    &P+0(25),4(5)
MVI    &P+26,C'='
MVC    &P+28(6),&T
MEND
MACRO
&NAME CT3   &A, &P, &T
&NAME L      5,=A(&A)
MVC    &P+0(25),4(5)
MVI    &P+26,C'='

```

```

MVC    &P+28(3),&T
MEND
MACRO
&NAME CT4   &A, &P, &T
&NAME L      5,=A(&A)
MVC    &P+0(25),4(5)
MVI    &P+26,C'='
MVC    &P+28(4),&T
MEND
MACRO
&NAME CT5   &A, &P, &T
&NAME L      5,=A(&A)
MVC    &P+0(25),4(5)
MVI    &P+26,C'='
MVC    &P+28(5),&T
MEND
SERCH008 START X'2850'
V001   DS      OD
        DC      F'10'
        DC      CL25'STATE CODE'
        DC      CL2'AZ'
        DC      CL25'ARIZONA'
        DC      CL2'CA'
        DC      CL25'CALIFORNIA'
        DC      CL2'CT'
        DC      CL25'CONNECTICUT'
        DC      CL2'FL'
        DC      CL25'FLORDIA'
        DC      CL2'MD'
        DC      CL25'MARYLAND'
        DC      CL2'MI'
        DC      CL25'MICHIGAN'
        DC      CL2'MN'
        DC      CL25'MINNESOTA'
        DC      CL2'NY'
        DC      CL25'NEW YORK'
        DC      CL2'TX'
        DC      CL25'TEXAS'
        DC      CL2'WA'
        DC      CL25'WASHINGTON'
V003   DS      OD
        DC      F'0'
        DC      CL25'DATE OF BIRTH'
V004   DS      OD
        DC      F'0'
        DC      CL25'PRIOR RECORD + ARRESTS'
V005   DS      OD
        DC      F'0'

```

V006 DC CL25'PRIOR RECORD + CONVICTION'  
 DS OD  
 DC F'0'  
 V007 DC CL25'NUMBER OF DAYS JAIL < 90'  
 DS OD  
 DC F'0'  
 V008 DC CL25'NUMBER OF DAYS JAIL > 90'  
 DS OD  
 DC F'0'  
 V009 DC CL25'PRIOR RECORD + PRISON'  
 DS OD  
 DC F'0'  
 V010 DC CL25'PRIOR RECORD DATE ARREST'  
 DS OD  
 DC F'0'  
 V011 DC CL25'PRIOR RECORD ARREST AGENT'  
 DS OD  
 DC F'41'  
 DC CL25'PRIOR RECORD OFF. CHARGED'  
 DC CL2'01'  
 DC CL25'SOVEREIGNTY'  
 DC CL2'02'  
 DC CL25'MILITARY'  
 DC CL2'03'  
 DC CL25'IMMIGRATION'  
 DC CL2'09'  
 DC CL25'HOMICIDE'  
 DC CL2'10'  
 DC CL25'KIDNAPPING'  
 DC CL2'11'  
 DC CL25'SEXUAL ASSULT'  
 DC CL2'12'  
 DC CL25'ROBBERY'  
 DC CL2'13'  
 DC CL25'ASSULT'  
 DC CL2'14'  
 DC CL25'ABORTION'  
 DC CL2'20'  
 DC CL25'ARSON'  
 DC CL2'21'  
 DC CL25'EXTORTION'  
 DC CL2'22'  
 DC CL25'BURGLARY'  
 DC CL2'23'  
 DC CL25'LARCENY'  
 DC CL2'24'  
 DC CL25'STOLEN VEHICLE'  
 DC CL2'25'

DC CL25'FORGERY'  
 DC CL2'26'  
 DC CL25'FRAUD'  
 DC CL2'27'  
 DC CL25'EMBEZZLEMENT'  
 DC CL2'28'  
 DC CL25'STOLEN PROPERTY'  
 DC CL2'29'  
 DC CL25'DANGEROUS DRUGS'  
 DC CL2'35'  
 DC CL25'SEX OFFENSE'  
 DC CL2'36'  
 DC CL25'OBSCENE MATERIAL'  
 DC CL2'38'  
 DC CL25'FAMILY OFFENSE'  
 DC CL2'39'  
 DC CL25'GAMBLING'  
 DC CL2'40'  
 DC CL25'COMMERCIAL SEX'  
 DC CL2'41'  
 DC CL25'LIQUOR'  
 DC CL2'48'  
 DC CL25'OBSTRUCT POLICE'  
 DC CL2'49'  
 DC CL25'FLIGHT ESCAPE'  
 DC CL2'50'  
 DC CL25'OBSTRUCT JUSTICE'  
 DC CL2'51'  
 DC CL25'BRIBERY'  
 DC CL2'52'  
 DC CL25'WEAPON OFFENSE'  
 DC CL2'53'  
 DC CL25'PUBLIC PEACE'  
 DC CL2'54'  
 DC CL25'TRAFFIC OFFENSE'  
 DC CL2'55'  
 DC CL25'HEALTH-SAFETY'  
 DC CL2'56'  
 DC CL25'CIVIL RIGHTS'  
 DC CL2'57'  
 DC CL25'INVADE PRIVACY'  
 DC CL2'58'  
 DC CL25'SMUGGLING'  
 DC CL2'59'  
 DC CL25'ELECTION LAWS'  
 DC CL2'60'  
 DC CL25'ANTI-TRUST'  
 DC CL2'61'



V012 DC CL25'TAX REVENUE'  
 DC CL2'62'  
 DC CL25'CONSERVATION'  
 DS OD  
 DC F'10'  
 DC CL25'STATUS AT ARREST'  
 DC CL1'1'  
 DC CL25'CUSTODY'  
 DC CL1'2'  
 DC CL25'PAROLE'  
 DC CL1'3'  
 DC CL25'PROBATION'  
 DC CL1'4'  
 DC CL25'BOND / O. R.'  
 DC CL1'5'  
 DC CL25'CIVIL COMMITMENT'  
 DC CL1'6'  
 DC CL25'OTHER'  
 DC CL1'7'  
 DC CL25'NOT IN SYSTEM'  
 DC CL1'8'  
 DC CL25'UNKNOWN'  
 V013 DS OD  
 DC F'5'  
 DC CL25'TYPE OF ARREST'  
 DC CL1'1'  
 DC CL25'NON WARRANT'  
 DC CL1'2'  
 DC CL25'WARRANT'  
 DC CL1'3'  
 DC CL25'CITIZEN'  
 DC CL1'4'  
 DC CL25'OTHER AGENCY'  
 DC CL1'5'  
 DC CL25'UNKNOWN'  
 V014 DS OD  
 DC F'5'  
 DC CL25'POLICE DISPOSITION'  
 DC CL1'1'  
 DC CL25'FELONY CHARGE'  
 DC CL1'2'  
 DC CL25'MISDEMEANOR'  
 DC CL1'3'  
 DC CL25'TRANS. OTHER ENF. AGENCY'  
 DC CL1'4'  
 DC CL25'TRANSFER OTHER AGENCY'  
 DC CL1'5'  
 DC CL25'RELEASED'

V015 DS OD  
 DC F'2'  
 DC CL25'SEX'  
 DC CL1'1'  
 DC CL25'MALE'  
 DC CL1'2'  
 DC CL25'FEMALE'  
 V016 DS OD  
 DC F'6'  
 DC CL25'RACE'  
 DC CL1'1'  
 DC CL25'WHITE'  
 DC CL1'2'  
 DC CL25'NEGRO'  
 DC CL1'3'  
 DC CL25'AMERICAN INDIAN'  
 DC CL1'4'  
 DC CL25'CHINESE'  
 DC CL1'5'  
 DC CL25'JAPANESE'  
 DC CL1'6'  
 DC CL25'OTHER'  
 V018 DS OD  
 DC F'0'  
 DC CL25'FILING DATE'  
 V019 DS OD  
 DC F'0'  
 DC CL25'FILING CHARGE'  
 V020 DS OD  
 DC F'0'  
 DC CL25'END OFFENSE CHARGED'  
 V021 DS OD  
 DC F'4'  
 DC CL25'TYPE COUNSEL'  
 DC CL1'1'  
 DC CL25'PRIVATE'  
 DC CL1'2'  
 DC CL25'PUBLIC'  
 DC CL1'3'  
 DC CL25'SELF'  
 DC CL1'4'  
 DC CL25'OTHER'  
 V022 DS OD  
 DC F'0'  
 DC CL25'DATE-END PRE-TRIAL ACTION'  
 V023 DS OD  
 DC F'7'  
 DC CL25'CYCLE 1 PROCEEDING TYPE'

V024 DC CL1'1'  
 DC CL25'ARRAIGNMENT'  
 DC CL1'2'  
 DC CL25'GRAND JURY HEARINGS'  
 DC CL1'3'  
 DC CL25'MISDEMEANOR TRIAL'  
 DC CL1'4'  
 DC CL25'CIVIL COMMITMENT HEARINGS'  
 DC CL1'5'  
 DC CL25'PRELIM. EXAMINATION'  
 DC CL1'6'  
 DC CL25'BAIL//O.R. REVOC.HEARINGS'  
 DC CL1'7'  
 DC CL25'INFORMATION HEARINGS'  
 DS OD  
 DC F'4'  
 DC CL25'CYCLE 1 PLEA'  
 DC CL1'1'  
 DC CL25'NOT GUILTY'  
 DC CL1'2'  
 DC CL25'GUILTY'  
 DC CL1'3'  
 DC CL25'NOLO'  
 DC CL1'4'  
 DC CL25'OTHER'  
 V025 DS OD  
 DC F'8'  
 DC CL25'CYCLE 1 DISPOSITION'  
 DC CL1'1'  
 DC CL25'DISMISSED'  
 DC CL1'2'  
 DC CL25'BOUND OVER SUPERIOR COURT'  
 DC CL1'3'  
 DC CL25'CHARGE REDUCE MISDEMEANOR'  
 DC CL1'4'  
 DC CL25'ACQUITTED MISDEMEANOR'  
 DC CL1'5'  
 DC CL25'CONVICTED MISDEMEANOR'  
 DC CL1'6'  
 DC CL25'HELD MISDEMEANOR'  
 DC CL1'7'  
 DC CL25'CIVIL COMMITMENT'  
 DC CL1'8'  
 DC CL25'BAIL// O.R. REVOKED'  
 V026 DS OD  
 DC F'5'  
 DC CL25'CYCLE 1 RELEASE ACTION'  
 DC CL1'1'

DC CL25'BAIL'  
 DC CL25'BAIL'  
 DC CL1'2'  
 DC CL25'O.R.'  
 DC CL1'3'  
 DC CL25'CUSTODY'  
 DC CL1'4'  
 DC CL25'BAIL NOT POSTED'  
 DC CL1'5'  
 DC CL25'OTHER'  
 V027 DS OD  
 DC F'0'  
 DC CL25'CYCLE 1 JAIL SENTENCE'  
 V028 DS OD  
 DC F'0'  
 DC CL25'CYCLE 1 LENGTH PROBATION'  
 V029 DS OD  
 DC F'0'  
 DC CL25'CYCLE 1 \$ AMOUNT OF FINE'  
 V030 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 PROCEEDING TYPE'  
 V031 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 PLEA'  
 V032 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 DISPOSITION'  
 V033 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 RELEASE ACTION'  
 V034 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 JAIL SENTENCE'  
 V035 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 LENGTH PROBATION'  
 V036 DS OD  
 DC F'0'  
 DC CL25'CYCLE 2 \$ AMOUNT OF FINE'  
 V037 DS OD  
 DC F'0'  
 DC CL25'CYCLE 3 PROCEEDING TYPE'  
 V038 DS OD  
 DC F'0'  
 DC CL25'CYCLE 3 PLEA'  
 V039 DS OD  
 DC F'0'

V040 DC CL25'CYCLE 3 DISPOSITION'  
DS OD  
DC F'0'  
V041 DC CL25'CYCLE 3 RELEASE ACTION'  
DS OD  
DC F'0'  
V042 DC CL25'CYCLE 3 JAIL SENTENCE'  
DS OD  
DC F'0'  
V043 DC CL25'CYCLE 3 LENGTH PROBATION'  
DS OD  
DC F'0'  
V044 DC CL25'CYCLE 3 \$ AMOUNT OF FINE'  
DS OD  
DC F'0'  
V045 DC CL25'CYCLE 4 PROCEEDING TYPE'  
DS OD  
DC F'0'  
V046 DC CL25'CYCLE 4 PLEA'  
DS OD  
DC F'0'  
V047 DC CL25'CYCLE 4 DISPOSITION'  
DS OD  
DC F'0'  
V048 DC CL25'CYCLE 4 RELEASE ACTION'  
DS OD  
DC F'0'  
V049 DC CL25'CYCLE 4 JAIL SENTENCE'  
DS OD  
DC F'0'  
V050 DC CL25'CYCLE 4 LENGTH PROBATION'  
DS OD  
DC F'0'  
V051 DC CL25'CYCLE 4 \$ AMOUNT OF FINE'  
DS OD  
DC F'0'  
V052 DC CL25'CYCLE 5 PROCEEDING TYPE'  
DS OD  
DC F'0'  
V053 DC CL25'CYCLE 5 PLEA'  
DS OD  
DC F'0'  
V054 DC CL25'CYCLE 5 DISPOSITION'  
DS OD  
DC F'0'  
V055 DC CL25'CYCLE 5 RELEASE ACTION'  
DS OD  
DC F'0'

V056 DC CL25'CYCLE 5 JAIL SENTENCE'  
DS OD  
DC F'0'  
V057 DC CL25'CYCLE 5 LENGTH PROBATION'  
DS OD  
DC F'0'  
V058 DC CL25'CYCLE 5 \$ AMOUNT OF FINE'  
DS OD  
DC F'41'  
V059 DC CL25'FELONY TRIAL CHARGED OFF.'  
DS OD  
DC F'4'  
DC CL25'FELONY TRIAL INITIAL PLEA'  
DC CL1'1'  
DC CL25'GUILTY'  
DC CL1'2'  
DC CL25'NOT GUILTY'  
DC CL1'3'  
DC CL25'NOLO'  
DC CL1'4'  
V060 DC CL25'OTHER'  
DS OD  
DC F'4'  
DC CL25'FELONY TRIAL FINAL PLEA'  
DC CL1'1'  
DC CL25'GUILTY'  
DC CL1'2'  
DC CL25'NOT GUILTY'  
DC CL1'3'  
DC CL25'NOLO'  
DC CL1'4'  
V061 DC CL25'OTHER'  
DS OD  
DC F'0'  
V062 DC CL25'FELONY TRIAL DATE FILING'  
DS OD  
DC F'3'  
DC CL25'FELONY TRIAL TYPE'  
DC CL1'1'  
DC CL25'COURT'  
DC CL1'2'  
DC CL25'JURY'  
DC CL1'3'  
V063 DC CL25'TRANSSCRIPT'  
DS OD  
DC F'5'  
DC CL25'FELONY TRIAL REL. ACTION'  
DC CL1'1'

V064 DC CL25'BAIL'  
 DC CL1'2'  
 DC CL25'O.R.'  
 DC CL1'3'  
 DC CL25'CUSTODY'  
 DC CL1'4'  
 DC CL25'BAIL NOT POSTED'  
 DC CL1'5'  
 DC CL25'OTHER'  
 DS OD  
 DC F'0'  
 DC CL25'FELONY TRIAL DATE DEPOS.'  
 V065 DS OD  
 DC F'0'  
 DC CL25'FELONY TRIAL \$ AMT FINE'  
 V066 DS OD  
 DC F'2'  
 DC CL25'FELONY TRIAL NON SUP.SENT'  
 DC CL1'1'  
 DC CL25'YES'  
 DC CL1'2'  
 DC CL25'NO'  
 V067 DS OD  
 DC F'6'  
 DC CL25'FELONY TRIAL DISPOSITION'  
 DC CL1'1'  
 DC CL25'DISMISSED'  
 DC CL1'2'  
 DC CL25'ACQUITTED'  
 DC CL1'3'  
 DC CL25'CONVICTED OF FELONY'  
 DC CL1'4'  
 DC CL25'CONVICTED OF MISDEMEANOR'  
 DC CL1'5'  
 DC CL25'OFF CALENDAR'  
 DC CL1'6'  
 DC CL25'OTHER'  
 V068 DS OD  
 DC F'6'  
 DC CL25'FELONY TRIAL REAS.DISMISS'  
 DC CL1'1'  
 DC CL25'LACK OF EVIDENCE'  
 DC CL1'2'  
 DC CL25'REMANDED MUNICIPAL COURT'  
 DC CL1'3'  
 DC CL25'TRANSFER JUVENILE COURT'  
 DC CL1'4'  
 DC CL25'RELEASE OTHER JURISDICT.'

V069 DC CL1'5'  
 DC CL25'DEATH OF DEFENDANT'  
 DC CL1'6'  
 DC CL25'CIVIL COMMITMENT'  
 DS OD  
 DC F'4'  
 DC CL25'FELONY TRIAL TYPE COUNSEL'  
 DC CL1'1'  
 DC CL25'PRIVATE'  
 DC CL1'2'  
 DC CL25'PUBLIC'  
 DC CL1'3'  
 DC CL25'SELF'  
 DC CL1'4'  
 DC CL25'OTHER'  
 V070 DS OD  
 DC F'2'  
 DC CL25'FELONY TRIAL PRE-SENT.REP'  
 DC CL1'1'  
 DC CL25'YES'  
 DC CL1'2'  
 DC CL25'NO'  
 V071 DS OD  
 DC F'0'  
 DC CL25'FELONY TRIAL TOTAL PRISON'  
 V072 DS OD  
 DC F'0'  
 DC CL25'FELONY TRIAL TOTAL PROB.'  
 V073 DS OD  
 DC F'0'  
 DC CL25'FELONY TRIAL TOTAL JAIL'  
 V074 DS OD  
 DC F'5'  
 DC CL25'CORR.1 RECEIVING AGENCY'  
 DC CL1'1'  
 DC CL25'STATE INSTITUTION'  
 DC CL1'2'  
 DC CL25'PROBATION AGENCY'  
 DC CL1'3'  
 DC CL25'JAIL'  
 DC CL1'4'  
 DC CL25'PAROLE AGENCY'  
 DC CL1'5'  
 DC CL25'OTHER'  
 V075 DS OD  
 DC F'0'  
 DC CL25'CORR.1 DATE ENTER AGENCY'  
 V076 DS OD

V077 DC F'0'  
 DC CL25'CORR.1DATE DIS. AGENCY'  
 DS OD  
 DC F'10'  
 DC CL25'CORR.1 CHANGE IN STATUS'  
 DC CL1'0'  
 DC CL25'TRAN.OTHER JURISDICTION'  
 DC CL1'1'  
 DC CL25'TECHNICAL REVOCATION'  
 DC CL1'3'  
 DC CL25'NEW FELONY REVOCATION'  
 DC CL1'4'  
 DC CL25'ABSCON / ESCAPE'  
 DC CL1'5'  
 DC CL25'COURT DISCHARGE'  
 DC CL1'6'  
 DC CL25'COMMUTATION'  
 DC CL1'7'  
 DC CL25'DECEASED'  
 DC CL1'8'  
 DC CL25'RELEASED'  
 DC CL1'9'  
 DC CL25'SUSPENSION REVOKED'  
 DS OD  
 V078 DC F'0'  
 DC CL25'CORR. 2 RECEIVING AGENCY'  
 V079 DS OD  
 DC F'0'  
 DC CL25'CORR. 2 DATE ENTER AGENCY'  
 V080 DS OD  
 DC F'0'  
 DC CL25'CORR. 2 DATE DIS. AGENCY'  
 V081 DS OD  
 DC F'0'  
 DC CL25'CORR. 2 CHANGE IN STATUS'  
 V082 DS OD  
 DC F'0'  
 DC CL25'CORR. 3 RECEIVING AGENCY'  
 V083 DS OD  
 DC F'0'  
 DC CL25'CORR. 3 DATE ENTER AGENCY'  
 V084 DS OD  
 DC F'0'  
 DC CL25'CORR. 3 DATE DIS. AGENCY'  
 V085 DS OD  
 DC F'0'  
 DC CL25'CORR. 3 CHANGE IN STATUS'  
 V086 DS OD

V087 DC F'0'  
 DC CL25'CORR. 4 RECEIVING AGENCY'  
 DS OD  
 DC F'0'  
 V088 DC CL25'CORR. 4 DATE ENTER AGENCY'  
 DS OD  
 DC F'0'  
 V089 DC CL25'CORR. 4 DATE DIS. AGENCY'  
 DS OD  
 DC F'0'  
 V090 DC CL25'CORR. 4 CHANGE IN STATUS'  
 DS OD  
 DC F'0'  
 V091 DC CL25'CORR. 5 RECEIVING AGENCY'  
 DS OD  
 DC F'0'  
 V092 DC CL25'CORR. 5 DATE ENTER AGENCY'  
 DS OD  
 DC F'0'  
 V093 DC CL25'CORR. 5 DATE DIS. AGENCY'  
 DS OD  
 DC F'0'  
 V094 DC CL25'CORR. 5 CHANGE IN STATUS'  
 DS OD  
 DC F'4'  
 DC CL25'PRIOR REC. SYSTEM STATUS'  
 DC CL1'1'  
 DC CL25'CONTINUE TO NEXT LEVEL'  
 DC CL1'2'  
 DC CL25'NO MORE INFO. AVAILABLE'  
 DC CL1'3'  
 DC CL25'NEW ARREST'  
 DC CL1'4'  
 DC CL25'EXIT FROM SYSTEM'  
 V095 DS OD  
 DC F'0'  
 V096 DC CL25'PRE-TRIAL SYSTEM STATUS'  
 DS OD  
 DC F'0'  
 V097 DC CL25'FELONY TRIAL SYS. STATUS'  
 DS OD  
 DC F'0'  
 V098 DC CL25'CORR.ACTION SYSTEM STATUS'  
 DS OD  
 DC F'18'  
 DC CL25'STATUS AT END OF TRACE'  
 DC CL2'01'  
 DC CL25'DEATH OF DEFENDANT'

DC CL2'02'  
 DC CL25'TRANS.LAW ENFORCE. AGENCY'  
 DC CL2'03'  
 DC CL25'TRANS. OTHER AGENCY'  
 DC CL2'04'  
 DC CL25'RELEASED POLICE'  
 DC CL2'05'  
 DC CL25'DISMISSED PRE-TRIAL'  
 DC CL2'06'  
 DC CL25'ACQUITTED MISDEMEANOR'  
 DC CL2'07'  
 DC CL25'CONVICTED MISDEMEANOR'  
 DC CL2'08'  
 DC CL25'CIVIL COMMITMENT'  
 DC CL2'09'  
 DC CL25'DISMISSED FELONY TRIAL'  
 DC CL2'10'  
 DC CL25'ACQUITTED FELONY'  
 DC CL2'11'  
 DC CL25'JAIL'  
 DC CL2'12'  
 DC CL25'PROBATION'  
 DC CL2'13'  
 DC CL25'PRISON'  
 DC CL2'14'  
 DC CL25'PAROLE'  
 DC CL2'15'  
 DC CL25'OTHER SUPERVISION'  
 DC CL2'16'  
 DC CL25'NO MORE INFO. AVAILABLE'  
 DC CL2'17'  
 DC CL25'NEW ARREST'  
 DC CL2'18'  
 DC CL25'OTHER EXIT FROM SYSTEM'  
 V099 DS OD  
 DC F'0'  
 V100 DC CL25'AGE AT ARREST'  
 DS OD  
 DC F'0'  
 V101 DC CL25'ARREST TO FILING PRETRIAL'  
 DS OD  
 DC F'0'  
 V102 DC CL25'ARREST TO FILING TRIAL'  
 DS OD  
 DC F'0'  
 V103 DC CL25'ARREST TO ENT.CYCLE1 CORR'  
 DS OD  
 DC F'0'

V104 DC CL25'I/O PRE-TRIAL'  
 DS OD  
 DC F'0'  
 V105 DC CL25'I/O TRIAL'  
 DS OD  
 DC F'0'  
 V106 DC CL25'I/O CORRECTIONS TOTAL'  
 DS OD  
 DC F'0'  
 V107 DC CL25'I/O CORRECTIONS CYCLE 1'  
 DS OD  
 DC F'0'  
 V108 DC CL25'I/O CORRECTIONS CYCLE 2'  
 DS OD  
 DC F'0'  
 V109 DC CL25'I/O CORRECTIONS CYCLE 3'  
 DS OD  
 DC F'0'  
 V110 DC CL25'I/O CORRECTIONS CYCLE 4'  
 DS OD  
 DC F'0'  
 DC CL25'I/O CORRECTIONS CYCLE 5'  
 TAPE DTFMT BLKSIZE=3200,DEVADDR=SYS007,EOFADDR=END,FILABL=STD, X  
 IOAREA1=BUF,RECFORM=FIXBLK,RECSIZE=320,TYPEFLE=INPUT, X  
 WORKA=YES  
 PRINT DTFPR DEVADDR=SYSLST,IOAREA1=PAREA,BLKSIZE=133,CTLCHR=ASA  
 BEGIN BALR 2,0  
 USING FIRST,2,3,4  
 FIRST LM 3,4,BASE  
 B GO  
 BASE DC A(FIRST+4096)  
 DC A(FIRST+8192)  
 BUF DS 10CL320  
 TAREA DS CL320  
 CASCADE DC CL1' '  
 PAREA DC CL133'1'  
 GT GET TAPE,TAREA  
 BR 6  
 IR DC CL16'INVALID RESPONSE'  
 BL DC CL5'BLANK'  
 NA DC CL14'DOES NOT APPLY'  
 PP PUT PRINT  
 MVC PAREA,CASCADE  
 BR 6  
 GO OPEN TAPE,PRINT  
 LOOP BAL 6,GT  
 MVC PAREA+1(10),TAREA  
 MVC PAREA+55(11),=C'S E A R C H'

BAL 6,PP  
CT6 V003,PAREA+1,TAREA+10  
CT2 V004,PAREA+61,TAREA+16  
BAL 6,PP  
CT2 V005,PAREA+1,TAREA+18  
CT2 V006,PAREA+61,TAREA+20  
BAL 6,PP  
CT2 V007,PAREA+1,TAREA+22  
CT2 V008,PAREA+61,TAREA+24  
BAL 6,PP  
CT6 V009,PAREA+1,TAREA+26  
CT5 V010,PAREA+61,TAREA+32  
BAL 6,PP  
DOIT2 V011,PAREA+1,V011,TAREA+37  
DOIT1 V012,PAREA+61,V012,TAREA+39  
BAL 6,PP  
DOIT1 V013,PAREA+1,V013,TAREA+40  
DOIT1 V014,PAREA+61,V014,TAREA+41  
BAL 6,PP  
DOIT1 V015,PAREA+1,V015,TAREA+42  
DOIT1 V016,PAREA+61,V016,TAREA+43  
BAL 6,PP  
CT6 V018,PAREA+1,TAREA+49  
DOIT2 V019,PAREA+61,V011,TAREA+55  
BAL 6,PP  
DOIT2 V020,PAREA+1,V011,TAREA+57  
DOIT1 V021,PAREA+61,V021,TAREA+59  
BAL 6,PP  
CT6 V022,PAREA+1,TAREA+60  
DOIT1 V023,PAREA+61,V023,TAREA+66  
BAL 6,PP  
DOIT1 V024,PAREA+1,V024,TAREA+67  
DOIT1 V025,PAREA+61,V025,TAREA+68  
BAL 6,PP  
DOIT1 V026,PAREA+1,V026,TAREA+69  
CT3 V027,PAREA+61,TAREA+70  
BAL 6,PP  
CT2 V028,PAREA+1,TAREA+73  
CT5 V029,PAREA+61,TAREA+75  
BAL 6,PP  
DOIT1 V030,PAREA+1,V023,TAREA+80  
DOIT1 V031,PAREA+61,V024,TAREA+81  
BAL 6,PP  
DOIT1 V032,PAREA+1,V025,TAREA+82  
DOIT1 V033,PAREA+61,V026,TAREA+83  
BAL 6,PP  
CT3 V034,PAREA+1,TAREA+84  
CT2 V035,PAREA+61,TAREA+87

BAL 6,PP  
CT5 V036,PAREA+1,TAREA+89  
DOIT1 V037,PAREA+61,V023,TAREA+94  
BAL 6,PP  
DOIT1 V038,PAREA+1,V024,TAREA+95  
DOIT1 V039,PAREA+61,V025,TAREA+96  
BAL 6,PP  
DOIT1 V040,PAREA+1,V026,TAREA+97  
CT3 V041,PAREA+61,TAREA+98  
BAL 6,PP  
CT2 V042,PAREA+1,TAREA+101  
CT5 V043,PAREA+61,TAREA+103  
BAL 6,PP  
DOIT1 V044,PAREA+1,V023,TAREA+108  
DOIT1 V045,PAREA+61,V024,TAREA+109  
BAL 6,PP  
DOIT1 V046,PAREA+1,V025,TAREA+110  
DOIT1 V047,PAREA+61,V026,TAREA+111  
BAL 6,PP  
CT3 V048,PAREA+1,TAREA+112  
CT2 V049,PAREA+61,TAREA+115  
BAL 6,PP  
CT5 V050,PAREA+1,TAREA+117  
DOIT1 V051,PAREA+61,V023,TAREA+122  
BAL 6,PP  
DOIT1 V052,PAREA+1,V024,TAREA+123  
DOIT1 V053,PAREA+61,V025,TAREA+124  
BAL 6,PP  
DOIT1 V054,PAREA+1,V026,TAREA+125  
CT3 V055,PAREA+61,TAREA+126  
BAL 6,PP  
CT2 V056,PAREA+1,TAREA+129  
CT5 V057,PAREA+61,TAREA+131  
BAL 6,PP  
DOIT2 V058,PAREA+1,V011,TAREA+136  
DOIT1 V059,PAREA+61,V059,TAREA+138  
BAL 6,PP  
DOIT1 V060,PAREA+1,V059,TAREA+139  
CT6 V061,PAREA+61,TAREA+140  
BAL 6,PP  
DOIT1 V062,PAREA+1,V062,TAREA+146  
DOIT1 V063,PAREA+61,V063,TAREA+147  
BAL 6,PP  
CT6 V064,PAREA+1,TAREA+148  
CT5 V065,PAREA+61,TAREA+154  
BAL 6,PP  
DOIT1 V066,PAREA+1,V066,TAREA+159  
DOIT1 V067,PAREA+61,V067,TAREA+160

```

BAL      6,PP
DOIT1   V068,PAREA+1,V068,TAREA+161
DOIT1   V069,PAREA+61,V069,TAREA+162
BAL      6,PP
DOIT1   V070,PAREA+1,V070,TAREA+163
CT3     V071,PAREA+61,TAREA+164
BAL      6,PP
CT3     V072,PAREA+1,TAREA+167
CT3     V073,PAREA+61,TAREA+170
BAL      6,PP
DOIT1   V074,PAREA+1,V074,TAREA+173
CT6     V075,PAREA+61,TAREA+174
BAL      6,PP
CT6     V076,PAREA+1,TAREA+180
DOIT1   V077,PAREA+61,V077,TAREA+186
BAL      6,PP
DOIT1   V078,PAREA+1,V074,TAREA+187
CT6     V079,PAREA+61,TAREA+188
BAL      6,PP
CT6     V080,PAREA+1,TAREA+194
DOIT1   V081,PAREA+61,V077,TAREA+200
BAL      6,PP
DOIT1   V082,PAREA+1,V074,TAREA+201
CT6     V083,PAREA+61,TAREA+202
BAL      6,PP
CT6     V084,PAREA+1,TAREA+208
DOIT1   V085,PAREA+61,V077,TAREA+214
BAL      6,PP
DOIT1   V086,PAREA+1,V074,TAREA+215
CT6     V087,PAREA+61,TAREA+216
BAL      6,PP
CT6     V088,PAREA+1,TAREA+222
DOIT1   V089,PAREA+61,V077,TAREA+228
BAL      6,PP
DOIT1   V090,PAREA+1,V074,TAREA+229
CT6     V091,PAREA+61,TAREA+230
BAL      6,PP
CT6     V092,PAREA+1,TAREA+236
DOIT1   V093,PAREA+61,V077,TAREA+242
BAL      6,PP
DOIT1   V094,PAREA+1,V094,TAREA+243
DOIT1   V095,PAREA+61,V094,TAREA+244
BAL      6,PP
DOIT1   V096,PAREA+1,V094,TAREA+245
DOIT1   V097,PAREA+61,V094,TAREA+246
BAL      6,PP
DOIT2   V098,PAREA+1,V098,TAREA+247
CT4     V099,PAREA+61,TAREA+252

```

```

BAL      6,PP
CT4     V100,PAREA+1,TAREA+256
CT4     V101,PAREA+61,TAREA+260
BAL      6,PP
CT4     V102,PAREA+1,TAREA+264
CT4     V103,PAREA+61,TAREA+268
BAL      6,PP
CT4     V104,PAREA+1,TAREA+272
CT4     V105,PAREA+61,TAREA+276
BAL      6,PP
CT4     V106,PAREA+1,TAREA+280
CT4     V107,PAREA+61,TAREA+284
BAL      6,PP
CT4     V108,PAREA+1,TAREA+288
CT4     V109,PAREA+61,TAREA+292
BAL      6,PP
CT4     V110,PAREA+1,TAREA+296
BAL      6,PP
MVI     PAREA,C'1'
B       LOOP
END     CLOSE TAPE,PRINT
EOJ
LTORG
END     BEGIN

```



APPENDIX J  
 Listing of CODE BUILD Program

// EXEC SOCG5A04

001010 IDENTIFICATION DIVISION.  
 001020 PROGRAM-ID. 'SEARCH03'.  
 REMARKS.

PURPOSE TO BUILD FROM CARDS A SEQ FILE THAT CONTAINS A RECORD  
 FOR EACH VARIABLE IN THE SEARCH SYSTEM EACH RECORD  
 CONTAINS VARIABLE NUMBER AND NAME AND FOR DECRETE VARIA  
 BLES EACH VALID RESPONSE ALONG WITH RESPONSE NAME  
 METHOD READ CARD FILE THAT CONTAINS TYPE 1 CARDS AND TYPE  
 2 CARDS, TYPE 1 CARDS CONTAIN VAR NUMBER VAR TYPE AND  
 VAR NAME, TYPE 2 CARDS CONTAIN VAR NUMBER RESPONSE  
 VALUE AND RESPONSE NAME

INPUT	TYPE	LOGICAL UNIT	FILE NAME	FILE TYPE	REC L
	CARDS	SYS010	CODE NAM CARDS	UNIT RECORD	80 F
OUTPUT	TYPE	LOGICAL UNIT	FILE NAME	FILE TYPE	REC L
	TAPE	SYS050	VAR CODE TABLE	SEQ TAPE	1688 F

001030 ENVIRONMENT DIVISION.  
 001040 CONFIGURATION SECTION.  
 001050 SOURCE-COMPUTER. IBM-360 D30.  
 001060 OBJECT-COMPUTER. IBM-360 D30.  
 001070 INPUT-OUTPUT SECTION.  
 001080 FILE-CONTROL.  
 001090 SELECT CARDIN, ASSIGN 'SYS010' UNIT-RECORD 2540R.  
 001100 SELECT TAPE0, ASSIGN 'SYS050' UTILITY 2400 UNIT.  
 001110 DATA DIVISION.  
 001120 FILE SECTION.  
 001130 FD CARDIN  
 001140 RECORDING MODE IS F  
 001150  
 001160 LABEL RECORDS ARE OMITTED  
 001170 DATA RECORD IS CARD-IN.  
 001180 01 CARD-IN.  
 001190 02 VARIABLE-NO PICTURE XXX.  
 001200 02 CARDTYPE PICTURE X.  
 002010 02 TYPE1.  
 002020 03 D-C PICTURE X.  
 002030 03 POSITION PICTURE 999.  
 002040 03 RESP-LEN PICTURE 99.  
 002050 03 RESP-CNT PICTURE 99.  
 002055 03 VAR-SEQ PICTURE XX.  
 002060 03 FILLER PICTURE X(6).  
 002070 03 HEAD-NAME PICTURE X(25).  
 002080  
 002090  
 002100 02 TYPE2 REDEFINES TYPE1.  
 002110 03 FILLER PICTURE X(8).  
 002120 03 RESPONSE PICTURE X(8).  
 002130 03 RESP-NAME PICTURE X(25).  
 002140 02 FILLER PICTURE X(35).

```

FD TAPEO
RECORDING MODE IS F
RECORD CONTAINS 1688 CHARACTERS
LABEL RECORDS ARE STANDARD
DATA RECORD IS OUT-TAPE.
01 OUT-TAPE.
02 FILLER PICTURE X(1688).
WORKING-STORAGE SECTION.
77 C-SEQ PICTURE XXX VALUE SPACES.
77 P-SEQ PICTURE XXX VALUE SPACES.
77 REC-CNT PICTURE 9999 VALUE 0.
77 S-CNT PICTURE 99 VALUE 03.
77 I PICTURE 99 COMPUTATIONAL
VALUE 03.
77 CK-CTR PICTURE 99 VALUE 00.
01 TAPE-REC.
02 W-VAR-NUM PICTURE X(3).
02 W-VAR-TYP PICTURE X.
02 W-VAR-POS PICTURE 9(3).
02 W-VAR-LENGTH PICTURE 99.
02 W-VAR-RESP-CNT PICTURE XX.
02 W-VAR-SEQ PICTURE XX.
02 W-VAR-NAME PICTURE X(25).
02 W-VAR-RESPONSES OCCURS 50 TIMES.
03 W-RES-V PICTURE X(8).
03 W-RES-N PICTURE X(25).
PROCEDURE DIVISION.
INITI.
OPEN INPUT CARDIN OUTPUT TAPEO.
MOVE ' ' TO W-RES-V (1).
MOVE 'MISSING DATA ' TO W-RES-N (1).
MOVE ' X' TO W-RES-V (2).
MOVE 'NOT APPLICABLE ' TO W-RES-N (2).
MOVE ' Y' TO W-RES-V (3).
MOVE 'UNKNOWN ' TO W-RES-N (3).
READ1. MOVE C-SEQ TO P-SEQ.
READ CARDIN AT END GO TO EOC1.
ADD 1 TO REC-CNT.
MOVE VARIABLE-NO TO C-SEQ.
IF C-SEQ < P-SEQ GO TO DISPLAY-MESSAGE.
IF C-SEQ NOT = P-SEQ GO TO WRTE-REC.
CK1.
IF CARDTYPE = '1' GO TO TYP1.
IF CARDTYPE = '2' GO TO TYP2.
DISPLAY 'INVALID CARD TYPE'.
GO TO READ1.
TYP1.
IF C-SEQ = P-SEQ DISPLAY 'TWO TYPE 1'.

```

```

MOVE VARIABLE-NO TO W-VAR-NUM.
MOVE VAR-SEQ TO W-VAR-SEQ.
MOVE D-C TO W-VAR-TYP.
MOVE POSITION TO W-VAR-POS.
MOVE RESP-LEN TO W-VAR-LENGTH.
MOVE HEAD-NAME TO W-VAR-NAME.
GO TO READ1.
TYP2.
IF VARIABLE-NO NOT = W-VAR-NUM
DISPLAY 'NO TYPE 1' GO TO READ1.
ADD 1 TO I.
ADD 1 TO S-CNT.
MOVE RESPONSE TO W-RES-V (I).
MOVE RESP-NAME TO W-RES-N (I).
GO TO READ1.
WRTE-REC.
IF P-SEQ = ' ' GO TO CK1.
MOVE S-CNT TO W-VAR-RESP-CNT.
PERFORM ZERO-RESP-TAB THRU ZER-EXT.
WRITE OUT-TAPE FROM TAPE-REC.
MOVE 3 TO I.
MOVE 3 TO S-CNT.
WRT-RET.
GO TO CK1.
ZERO-RESP-TAB.
ADD 1 TO S-CNT.
MOVE SPACES TO W-RES-V (S-CNT) W-RES-N (S-CNT).
IF S-CNT > 49 GO TO ZER-EXT.
GO TO ZERO-RESP-TAB.
ZER-EXT.
EXIT.
DISPLAY-MESSAGE.
DISPLAY 'CARDS OUT OF SEQ'.
EOC1.
DISPLAY REC-CNT.
PERFORM WRTE-REC.
CLOSE CARDIN TAPEO.
STOP RUN.

```

APPENDIX K

Listing of CODE TABLE CREATE Program

```
*      TITLE:   CODE TABLE CREATE
*      INPUT   TYPE   LOGICAL UNIT   FILE NAME   TYPE FILE
*              TAPE   SYS004       CODE TABLE  SEQUENTIAL
*      OUTPUT  TYPE   LOGICAL UNIT   FILE NAME   TYPE FILE
*              DISK   SYS007       CODE TABLE  SEQUENTIAL
*
*      REMARKS:
*
*              THIS PROGRAM CREATES A DISK FILE OF ALL VARIABLE
*
*              NAMES AND THEIR LEGAL RESPONSES.
```

```
///ASSGN SYS004,X'180'
///ASSGN SYS007,X'134'
///TLBL UIN
///DLBL UOUT,'SOCIOLOGY CODE TABLE',70/365,SD
///EXTENT SYS007,PROD02,1,0,3400,40
///EXEC TPK
///UTD TC,FF,A=(1688,1688),B=(1688,1688),IU,OY,E=(2314)
///END
```

APPENDIX L

Record Lay-Out of Card Images Stored  
on SEARCH Master Tape

MODE																				
INFO	State Identification										Date of Birth						Prior Record			
	State Code		Individuals Identification								Month		Day		Year		Number of Arrests		Number of Convictions	
BYTE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

MODE																				
INFO	Prior Record Continued						Arrest													
	Number Jail < 90		Number Jail > 90		Number of Prison		Date of Arrest						Arresting Agency		Charged Offense		Status at Arrest			
BYTE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

MODE																				
INFO	Arrest Con.				Pre - Trial Actions															
	Type of Arrest		Police Disposition		Sex Race		filler				Filing Date		Filing Charge		End Charge		Type Counsel			
BYTE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

MODE																				
INFO	Pre - Trial Con't.						Cycle Number One													
	Date-end Pre-Trial Action						Process Type		Plea		Disposition		Release Action		Jail Sentence		Length Probation		\$ Amount of Fine	
BYTE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

10 Records/Block

INSTITUTE OF CONTEMPORARY CORRECTIONS

Page 2 of 4

320 Bytes/Record

Project SEARCH

FIXBLK Record Form

File Name "SEARCH MASTER"

Date 4/6/70

MODE																				
INFO	Cycle Number Two										Cycle Number Three									
BYTE	8,1	8,2	8,3	8,4	8,5	8,6	8,7	8,8	8,9	9,0	9,1	9,2	9,3	9,4	9,5	9,6	9,7	9,8	9,9	10,0

MODE																				
INFO	Cycle Number Three - Con't.								Cycle Number Four											
BYTE	10,1	10,2	10,3	10,4	10,5	10,6	10,7	10,8	10,9	11,0	11,1	11,2	11,3	11,4	11,5	11,6	11,7	11,8	11,9	12,0

MODE																				
INFO	Four Cont		Cycle Number Five												Felony Trial Action					
															Charged Offense	Initial Plea	Final Plea			
BYTE	12,1	12,2	12,3	12,4	12,5	12,6	12,7	12,8	12,9	13,0	13,1	13,2	13,3	13,4	13,5	13,6	13,7	13,8	13,9	14,0

MODE																				
INFO	Felony Trial Action Continued																			
	Date of Filing						Date of Disposition						Total \$ Amount Fine				Non-Supervisory Sent.			
	Month	Day	Year	Type of Trial	Re-Release of Action	Month	Day	Year												
BYTE	14,1	14,2	14,3	14,4	14,5	14,6	14,7	14,8	14,9	15,0	15,1	15,2	15,3	15,4	15,5	15,6	15,7	15,8	15,9	16,0

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10 Records/Block

INSTITUTE OF CONTEMPORARY CORRECTIONS

Page 3 of 4

320 Bytes/Record

Project SEARCH

FIXBLK Record Form

File Name "SEARCH MASTER"

Date 4/6/70

MODE	Felony Trial Action Continued														Corrections Cycle 1					
INFO	Disposition	Reason Dismissal	Type of Counsel	Pre-Sentence Report	Total Length Prison			Total Length Probation			Total Length Jail			Receiving Agency	Date Entered Agency					
					Month	Day	Year	Month	Day	Year	Month	Day	Year							
BYTE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180

MODE	Corrections Cycle 1 Con't.							Corrections Cycle 2												
INFO	Date Discharged Agency			Change in Status																
	Month	Day	Year																	
BYTE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200

MODE	2cont. Corrections Cycle 3														Corrections Cycle 4					
INFO																				
BYTE	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220

MODE	Corrections Cycle 4 Con't.										Corrections Cycle 5									
INFO																				
BYTE	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240

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10 Records/Block

INSTITUTE OF CONTEMPORARY CORRECTIONS

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320 Bytes/Record

Project SEARCH

FIXBLK Record Form

File Name "SEARCH MASTER"

Date 4/6/70

MODE																				
INFO	Cycle 5 Con't.				System Status					Filler	Age of Arrest				Arrest to Filing Pre-Trial					
	1	2	3	4	Status at End 5		Y	Y	Y		Y/10	D	D	D	D					
BYTE	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260

MODE																				
INFO	Arrest to Filing Trial				Arrest to Entered Cycle #1 Correct.				I/O Pre-Trial				I/O Trial				I/O Corrections Total			
	D D D D				D D D D				D D D D				D D D D				D D D D			
BYTE	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280

MODE																				
INFO	I/O Corrections Cycle #1				I/O Corrections Cycle #2				I/O Corrections Cycle #3				I/O Corrections Cycle #4				I/O Corrections Cycle #5			
	D D D D				D D D D				D D D D				D D D D				D D D D			
BYTE	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300

MODE																				
INFO	Filler																			
BYTE	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320

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APPENDIX M  
 Listing of Variables Used to Calculate  
 Frequency Distributions

LISTING OF VARIABLES OUTPUT

Variable	Length	Location
Date of Birth - Year	2	15- 16
No. of Arrests	2	17- 18
No. of Convictions	2	19- 20
No. Jail Less than 90 Days	2	21- 22
No. Jail Greater than 90 Days	2	23- 24
No. of Prison	2	25- 26
Arresting Agency	5	33- 37
Charged Offense	2	38- 39
Status at Arrest	1	40
Type of Arrest	1	41
Police Disposition	1	42
Sex	1	43
Race	1	44
Filing Charge	2	56- 57
End Charge	2	58- 59
Type Counsel	1	60
Proceeding Type	1	67
Plea	1	68
Disposition	1	69
Release Action	1	70
Jail Sentence	3	71- 73
Length Probation	2	74- 75
\$ Amount of Fine	5	76- 80
Proceeding Type	1	81
Plea	1	82
Disposition	1	83
Release Action	1	84
Jail Sentence	3	87- 87
Length Probation	2	88- 89
\$ Amount of Fine	5	90- 94
Proceeding Type	1	95
Plea	1	96
Disposition	1	97
Release Action	1	98

Prior Record

Cycle 1

Cycle 2

Cycle 2

Cycle 3

Variable	Length	Location
Jail Sentence	3	99-101
Length Probation	2	102-103 Cycle 3
\$ Amount of Fine	5	104-108
Proceeding Type	1	109
Plea	1	110
Disposition	1	111 Cycle 4
Release Action	1	112
Jail Sentence	3	113-115
Length Probation	2	116-117 Cycle 4
\$ Amount of Fine	5	118-122
Proceeding Type	1	123
Plea	1	124
Disposition	1	125 Cycle 5
Release Action	1	126
Jail Sentence	3	127-129
Length Probation	2	130-131 Cycle 5
\$ Amount of Fine	5	132-136
Charged Offense	2	137-138
Initial Plea	1	139
Final Plea	1	140
Type Trial	1	147
Release Action	1	148
\$ Amount of Fine	5	155-159
Non-Supervisory Sentence	1	160
Disposition	1	161
Reason Dismissal	1	162
Type Counsel	1	163
Pre-Sentence Report	1	164 Felony Trial Conviction
Total Length Prison	3	165-167
Total Length Probation	3	168-170
Total Length Jail	3	171-173
Receiving Agency	1	174 Cycle 1
Change in Status	2	187
Receiving Agency	1	188 Cycle 2
Change in Status	1	201
Receiving Agency	1	202 Cycle 3

Variable	Length	Location
Change in Status	1	215
Receiving Agency	1	216 Cycle 4
Change in Status	1	229
Receiving Agency	1	230 Cycle 5
Change in Status	1	243
System Status	1	244
System Status	2	245
System Status	3	246
System Status	4	247
Status at End	2	248-249
Age at Arrest (Decimal Equ. in Years)	4	253-256
Arrest to Filing Pre-Trial	4	257-260
Arrest to Filing Trial	4	261-264
Arrest to Entered Cycle #1 Corrections	4	265-268
I/O Pre-Trial	4	269-272
I/O Trial	4	273-276
I/O Corrections Total	4	277-280
I/O Corrections Cycle #1	4	281-284
I/O Corrections Cycle #2	4	285-288
I/O Corrections Cycle #3	4	289-292
I/O Corrections Cycle #4	4	293-296
I/O Corrections Cycle #5	4	297-300

LISTING OF CONTINUOUS VARIABLES

Variable	Length	Location
No. of Arrests	2	17- 18
No. of Convictions	2	19- 20
No. Jail Less than 90 Days	2	21- 22
No. Jail Greater than 90 Days	2	23- 24
No. of Prison	2	25- 26
Jail Sentence	3	71- 73
Length Probation	2	74- 75
\$ Amount of Fine	5	76- 80
Jail Sentence	3	85- 87
Length Probation	2	88- 89
\$ Amount of Fine	5	90- 94
Jail Sentence	3	99-101
Length Probation	2	102-103
\$ Amount of Fine	5	104-108
Jail Sentence	3	113-115
Length Probation	2	116-117
\$ Amount of Fine	5	118-122
Jail Sentence	3	127-129
Length Probation	2	130-131
\$ Amount of Fine	5	132-136
\$ Amount of Fine	5	155-159
Total Length Prison	3	165-167
Total Length Probation	3	168-170
Total Length Jail	3	171-173
Age at Arrest	4	253-256
Arrest to Filing Pre-Trial	4	257-260
Arrest to Filing Trial	4	261-264
Arrest to Entered Cycle #1 Corrections	4	265-268
I/O Pre-Trial	4	269-272
I/O Trial	4	273-276
I/O Corrections Total	4	277-280
I/O Corrections Cycle #1	4	281-284
I/O Corrections Cycle #2	4	285-288
I/O Corrections Cycle #3	4	289-292
I/O Corrections Cycle #4	4	293-296
I/O Corrections Cycle #5	4	297-300

APPENDIX N

Listing of Variables Used to Calculate Means, Standard Deviations and Estimates of Skew and Kurtosis

APPENDIX O  
 Listing of Discrete Variables Used to  
 Calculate Histograms

LISTING OF DISCRETE VARIABLES

Variable	Length	Locations	
Date of Birth - Year	2	15- 16	
Arresting Agency	5	33- 37	
Charged Offense	2	38- 39	
Status at Arrest	1	40	
Type of Arrest	1	41	
Police Disposition	1	42	
Sex	1	43	
Race	1	44	
Filing Charge	2	56- 57	
End Charge	2	58- 59	
Type Counsel	1	60	
Proceeding Type	1	67	
Plea	1	68	
Disposition	1	69	
Release Action	1	70	
Proceeding Type	1	81	
Plea	1	82	
Disposition	1	83	Cycle 2
Release Action	1	84	
Proceeding Type	1	95	
Plea	1	96	
Disposition	1	97	Cycle 3
Release Action	1	98	
Proceeding Type	1	109	
Plea	1	110	
Disposition	1	111	Cycle 4
Release Action	1	112	
Proceeding Type	1	123	
Plea	1	124	
Disposition	1	125	Cycle 5
Release Action	1	126	
Charged Offense	2	137-138	
Initial Plea	1	139	
Final Plea	1	140	

Variable		Length	Location
Type Trial		1	147
Release Action		1	148
Non-Supervisory Sentence		1	160
Disposition		1	161
Reason Dismissal		1	162
Type Counsel		1	163
Pre-Sentence Report		1	164
Receiving Agency		1	174 Cycle 1
Change in Status		1	187
Receiving Agency		1	188 Cycle 2
Change in Status		1	201
Receiving Agency		1	202 Cycle 3
Change in Status		1	215
Receiving Agency		1	216 Cycle 4
Change in Status		1	229
Receiving Agency		1	230 Cycle 5
Change in Status		1	243
System Status	1 Prior Record	1	244
System Status	2 Pre-Trial	1	245
System Status	3 Felony Trial	1	246
System Status	4 Corr. Action	1	247
Status at End		2	248-249

APPENDIX P  
Listing of English Synonyms

LISTING OF ENGLISH SYNONYMS

0011D0010210		STATE CODE
0012		AZARIZONA
0012		CACALIFORNIA
0012		CTCONNECTICUT
0012		FLFLORDIA
0012		MDMARYLAND
0012		MIMICHIGAN
0012		MNMINNESOTA
0012		NYNEW YORK
0012		TXTEXAS
0012		WAWASHINGTON
0021D00308		INDIVIDUAL IDENTIFICATION
0031D01106	01	DATE OF BIRTH
0041C01702	02	PRIOR RECORD # ARRESTS
0051C01902	03	PRIOR RECORD # CONVICTION
0061C02102	04	NUMBER OF DAYS JAIL < 90
0071C02302	05	NUMBER OF DAYS JAIL > 90
0081C02502	06	PRIOR RECORD # PRISON
0091D02706		PRIOR RECORD DATE ARREST
0101D03305	07	PRIOR RECORD ARREST AGENT
0111D038024308		PRIOR RECORD OFF. CHARGED
0112		01SOVEREIGNTY
0112		02MILITARY
0112		03IMMIGRATION
0112		09HOMICIDE
0112		10KIDNAPPING
0112		11SEXUAL ASSAULT
0112		12ROBBERY
0112		13ASSAULT
0112		14ABORTION
0112		20ARSON
0112		21EXTORTION
0112		22BURGLARY
0112		23LARCENY
0112		24STOLEN VEHICLE
0112		25FORGERY
0112		26FRAUD

0112	27EMBEZZLEMENT
0112	28STOLEN PROPERTY
0112	29PROPERTY DAMAGE
0112	35DANGEROUS DRUGS
0112	36SEX OFFENSE
0112	37OBSCENE MATERIAL
0112	38FAMILY OFFENSE
0112	39GAMBLING
0112	40COMMERCIAL SEX
0112	41LIQUOR
0112	48OBSTRUCT POLICE
0112	49FLIGHT ESCAPE
0112	50OBSTRUCT JUSTICE
0112	51BRIBERY
0112	52WEAPON OFFENSE
0112	53PUBLIC PEACE
0112	54TRAFFIC OFFENSE
0112	55HEALTH-SAFETY
0112	56CIVIL RIGHTS
0112	57INVADE PRIVACY
0112	58SMUGGLING
0112	59ELECTION LAWS
0112	60ANTI-TRUST
0112	61TAX REVENUE
0112	62CONSERVATION
0121D04001	0 STATUS AT ARREST
0122	1CUSTODY
0122	2PAROLE
0122	3PROBATION
0122	4BOND / O. R.
0122	5CIVIL COMMITMENT
0122	6OTHER
0122	7NOT IN SYSTEM
0122	8UNKNOWN
0131D04101	10 TYPE OF ARREST
0132	1NON WARRANT
0132	2WARRANT
0132	3CITIZEN
0132	4OTHER AGENCY
0132	5UNKNOWN
0141D04201	11 POLICE DISPOSITION
0142	1FELONY CHARGE
0142	2MISDEMEANOR CHARGE
0142	3TRANS. OTHER ENF. AGENCY
0142	4TRANSFER OTHER AGENCY
0142	5RELEASED
0151D043010312	SEX
0152	1MALE

0152	2FEMALE
0161D044010713	RACE
0162	1WHITE
0162	2NEGRO
0162	3AMERICAN INDIAN
0162	4CHINESE
0162	5JAPANESE
0162	6OTHER
0171D04505	FILLER
0181D05006	FILING DATE
0191D056024314	FILING CHARGE
0192	01SOVEREIGNTY
0192	02MILITARY
0192	03IMMIGRATION
0192	09HOMICIDE
0192	10KIDNAPPING
0192	11SEXUAL ASSAULT
0192	12ROBBERY
0192	13ASSAULT
0192	14ABORTION
0192	20ARSON
0192	21EXTORTION
0192	22BURGLARY
0192	23LARCENY
0192	24STOLEN VEHICLE
0192	25FORGERY
0192	26FRAUD
0192	27EMBEZZLEMENT
0192	28STOLEN PROPERTY
0192	29PROPERTY DAMAGE
0192	35DANGEROUS DRUGS
0192	36SEX OFFENSE
0192	37OBSCENE MATERIAL
0192	38FAMILY OFFENSE
0192	39GAMBLING
0192	40COMMERCIAL SEX
0192	41LIQUOR
0192	48OBSTRUCT POLICE
0192	49FLIGHT ESCAPE
0192	50OBSTRUCT JUSTICE
0192	51BRIBERY
0192	52WEAPON OFFENSE
0192	53PUBLIC PEACE
0192	54TRAFFIC OFFENSE
0192	55HEALTH-SAFETY
0192	56CIVIL RIGHTS
0192	57INVADE PRIVACY
0192	58SMUGGLING

0192	59ELECTION LAWS
0192	60ANTI-TRUST
0192	61TAX REVENUE
0192	62CONSERVATION
0201D058024315	END OFFENSE CHARGED
0202	01SOVEREIGNTY
0202	01SOVEREIGNTY
0202	02MILITARY
0202	03IMMIGRATION
0202	09HOMICIDE
0202	10KIDNAPPING
0202	11SEXUAL ASSAULT
0202	12ROBBERY
0202	13ASSAULT
0202	14ABORTION
0202	20ARSON
0202	21EXTORTION
0202	22BURGLARY
0202	23LARCENY
0202	24STOLEN VEHICLE
0202	25FORGERY
0202	26FRAUD
0202	27EMBEZZLEMENT
0202	28STOLEN PROPERTY
0202	29PROPERTY DAMAGE
0202	35DANGEROUS DRUGS
0202	36SEX OFFENSE
0202	37OBSCENE MATERIAL
0202	38FAMILY OFFENSE
0202	39GAMBLING
0202	40COMMERCIAL SEX
0202	41LIQUOR
0202	48OBSTRUCT POLICE
0202	49FLIGHT ESCAPE
0202	50OBSTRUCT JUSTICE
0202	51BRIBERY
0202	52WEAPON OFFENSE
0202	53PUBLIC PEACE
0202	54TRAFFIC OFFENSE
0202	55HEALTH-SAFETY
0202	56CIVIL RIGHTS
0202	57INVADE PRIVACY
0202	58SMUGGLING
0202	59ELECTION LAWS
0202	60ANTI-TRUST
0202	61TAX REVENUE
0202	62CONSERVATION
0211D06001 16	TYPE COUNSEL

0212	1PRIVATE
0212	2PUBLIC
0212	3SELF
0212	4OTHER
0221D06106	DATE-END PRE-TRIAL ACTION
0231D06701 17	CYCLE 1 PROCEEDING TYPE
0232	1ARRAIGNMENT
0232	2GRAND JURY HEARINGS
0232	3MISDEMEANOR TRIAL
0232	4CIVIL COMMITMENT HEARINGS
0232	5PRELIM. EXAMINATION
0232	6BAIL/O.R. REVOC. HEARINGS
0232	7INFORMATION HEARINGS
0241D06801 18	CYCLE 1 PLEA
0242	1NOT GUILTY
0242	2GUILTY
0242	3NOLO
0242	4OTHER
0251D06901 19	CYCLE 1 DISPOSITION
0252	1DISMISSED
0252	2BOUND OVER SUPERIOR COURT
0252	3CHARGE REDUCE MISDEMEANOR
0252	4ACQUITTED MISDEMEANOR
0252	5CONVICTED MISDEMEANOR
0252	6HELD MISDEMEANOR
0252	7CIVIL COMMITMENT
0252	8BAIL / O. R. REVOKED
0261D07001 20	CYCLE 1 RELEASE ACTION
0262	1BAIL
0262	2O.R.
0262	3CUSTODY
0262	4BAIL NOT POSTED
0262	5OTHER
0271C07103 21	CYCLE 1 JAIL SENTENCE
0281C07402 22	CYCLE 1 LENGTH PROBATION
0291C07605 23	CYCLE 1 \$ AMOUNT OF FINE
0301D08101 24	CYCLE 2 PROCEEDING TYPE
0302	1ARRAIGNMENT
0302	2GRAND JURY HEARINGS
0302	3MISDEMEANOR TRIAL
0302	4CIVIL COMMITMENT HEARINGS
0302	5PRELIM. EXAMINATION
0302	6BAIL/O.R. REVOC. HEARINGS
0302	7INFORMATION HEARINGS
0311D08201 25	CYCLE 2 PLEA
0312	1NOT GUILTY
0312	2GUILTY
0312	3NOLO



0312		4OTHER
0321D08301	26	CYCLE 2 DISPOSITION
0322		1DISMISSED
0322		2BOUND OVER SUPERIOR COURT
0322		3CHARGE REDUCE MISDEMEANOR
0322		4ACQUITTED MISDEMEANOR
0322		5CONVICTED MISDEMEANOR
0322		6HELD MISDEMEANOR
0322		7CIVIL COMMITMENT
0322		8BAIL / O. R. REVOKED
0331D08401	27	CYCLE 2 RELEASE ACTION
0332		1BAIL
0332		2O.R.
0332		3CUSTODY
0332		4BAIL NOT POSTED
0332		5OTHER
0341C08503	28	CYCLE 2 JAIL SENTENCE
0351C08802	29	CYCLE 2 LENGTH PROBATION
0361C09005	30	CYCLE 2 \$ AMOUNT OF FINE
0371D09501	31	CYCLE 3 PROCEEDING TYPE
0372		1ARRAIGNMENT
0372		2GRAND JURY HEARINGS
0372		3MISDEMEANOR TRIAL
0372		4CIVIL COMMITMENT HEARINGS
0372		5PRELIM. EXAMINATION
0372		6BAIL/O.R. REVOC. HEARINGS
0372		7INFORMATION HEARINGS
0381D09601	32	CYCLE 3 PLEA
0382		1NOT GUILTY
0382		2GUILTY
0382		3NOLO
0382		4OTHER
0391D09701	33	CYCLE 3 DISPOSITION
0392		1DISMISSED
0392		2BOUND OVER SUPERIOR COURT
0392		3CHARGE REDUCE MISDEMEANOR
0392		4ACQUITTED MISDEMEANOR
0392		5CONVICTED MISDEMEANOR
0392		6HELD MISDEMEANOR
0392		7CIVIL COMMITMENT
0392		8BAIL / O. R. REVOKED
0401D09801	34	CYCLE 3 RELEASE ACTION
0402		1BAIL
0402		2O.R.
0402		3CUSTODY
0402		4BAIL NOT POSTED
0402		5OTHER
0411C09903	35	CYCLE 3 JAIL SENTENCE

0421C10202	36	CYCLE 3 LENGTH PROBATION
0431C10405	37	CYCLE 3 \$ AMOUNT OF FINE
0441D10901	38	CYCLE 4 PROCEEDING TYPE
0442		1ARRAIGNMENT
0442		2GRAND JURY HEARINGS
0442		3MISDEMEANOR TRIAL
0442		4CIVIL COMMITMENT HEARINGS
0442		5PRELIM. EXAMINATION
0442		6BAIL/O.R. REVOC. HEARINGS
0442		7INFORMATION HEARINGS
0451D11001	39	CYCLE 4 PLEA
0452		1NOT GUILTY
0452		2GUILTY
0452		3NOLO
0452		4OTHER
0461D11101	40	CYCLE 4 DISPOSITION
0462		1DISMISSED
0462		2BOUND OVER SUPERIOR COURT
0462		3CHARGE REDUCE MISDEMEANOR
0462		4ACQUITTED MISDEMEANOR
0462		5CONVICTED MISDEMEANOR
0462		6HELD MISDEMEANOR
0462		7CIVIL COMMITMENT
0462		8BAIL / O. R. REVOKED
0471D11201	41	CYCLE 4 RELEASE ACTION
0472		1BAIL
0472		2O.R.
0472		3CUSTODY
0472		4BAIL NOT POSTED
0472		5OTHER
0481C11303	42	CYCLE 4 JAIL SENTENCE
0491C11602	43	CYCLE 4 LENGTH PROBATION
0501C11805	44	CYCLE 5 \$ AMOUNT OF FINE
0511D12301	45	CYCLE 5 PROCEEDING TYPE
0512		1ARRAIGNMENT
0512		2GRAND JURY HEARINGS
0512		3MISDEMEANOR TRIAL
0512		4CIVIL COMMITMENT HEARINGS
0512		5PRELIM. EXAMINATION
0512		6BAIL/O.R. REVOC. HEARINGS
0512		7INFORMATION HEARINGS
0521D12401	46	CYCLE 5 PLEA
0522		1NOT GUILTY
0522		2GUILTY
0522		3NOLO
0522		4OTHER
0531D12501	47	CYCLE 5 DISPOSITION
0532		1DISMISSED

0532	2BOUND OVER SUPERIOR COURT
0532	3CHARGE REDUCE MISDEMEANOR
0532	4ACQUITTED MISDEMEANOR
0532	5CONVICTED MISDEMEANOR
0532	6HELD MISDEMEANOR
0532	7CIVIL COMMITMENT
0532	8BAIL / O. R. REVOKED
0541D12601 48	CYCLE 5 RELEASE ACTION
0542	1BAIL
0542	2O.R.
0542	3CUSTODY
0542	4BAIL NOT POSTED
0542	5OTHER
0551C12703 49	CYCLE 5 JAIL SENTENCE
0561C13002 50	CYCLE 5 LENGTH PROBATION
0571C13205 51	CYCLE 5 \$ AMOUNT OF FINE
0581D137024352	FELONY TRIAL CHARGED OFF.
0582	01SOVEREIGNTY
0582	02MILITARY
0582	03IMMIGRATION
0582	09HOMICIDE
0582	10KIDNAPPING
0582	11SEXUAL ASSAULT
0582	12ROBBERY
0582	13ASSAULT
0582	14ABORTION
0582	20ARSON
0582	21EXTORTION
0582	22BURGLARY
0582	23LARCENY
0582	24STOLEN VEHICLE
0582	25FORGERY
0582	26FRAUD
0582	27EMBEZZLEMENT
0582	28STOLEN PROPERTY
0582	29PROPERTY DAMAGE
0582	35DANGEROUS DRUGS
0582	36SEX OFFENSE
0582	37OBSCENE MATERIAL
0582	38FAMILY OFFENSE
0582	39GAMBLING
0582	40COMMERCIAL SEX
0582	41LIQUOR
0582	48OBSTRUCT POLICE
0582	49FLIGHT ESCAPE
0582	50OBSTRUCT JUSTICE
0582	51BRIBERY
0582	52WEAPON OFFENSE

0582	53PUBLIC PEACE
0582	54TRAFFIC OFFENSE
0582	55HEALTH-SAFETY
0582	56CIVIL RIGHTS
0582	57INVADE PRIVACY
0582	58SMUGGLING
0582	59ELECTION LAWS
0582	60ANTI-TRUST
0582	61TAX REVENUE
0582	62CONSERVATION
0591D13901 53	FELONY TRIAL INITIAL PLEA
0592	1GUILTY
0592	2NOT GUILTY
0592	3NOLO
0592	4OTHER
0601D14001 54	FELONY TRIAL FINAL PLEA
0602	1GUILTY
0602	2NOT GUILTY
0602	3NOLO
0602	4OTHER
0611D14106	FELONY TRIAL DATE FILING
0621D14701 55	FELONY TRIAL TYPE
0622	1COURT
0622	2JURY
0622	3TRANSCRIPT
0631D14801 56	FELONY TRIAL REL. ACTION
0632	1BAIL
0632	2O.R.
0632	3CUSTODY
0632	4BAIL NOT POSTED
0632	5OTHER
0641D14906	FELONY TRIAL DATE DEPOS.
0651C15505 57	FELONY TRIAL \$ AMT FINE
0661D16001 58	FELONY TRIAL NON SUP.SENT
0662	1YES
0671D16101 59	FELONY TRIAL DISPOSITION
0662	2NO
0672	1DISMISSED
0672	2ACQUITTED
0672	3CONVICTED OF FELONY
0672	4CONVICTED OF MISDEMEANOR
0672	5OFF CALENDAR
0672	6OTHER
0672	7STET
0681D16201 60	FELONY TRIAL REAS.DISSMISS
0682	1LACK OF EVIDENCE
0682	2REMANDED MUNICIPAL COURT
0682	3TRANSFER JUVENILE COURT

0682		4RELEASE OTHER JURISDTCT.
0682		5DEATH OF DEFENDANT
0682		6CIVIL COMMITMENT
0691D16301	61	FELONY TRIAL TYPE COUNSEL
0692		1PRIVATE
0692		2PUBLIC
0692		3SELF
0692		4OTHER
0701D16401	62	FELONY TRIAL PRE-SENT.REP
0702		1YES
0702		2NO
0711C16503	63	FELONY TRIAL TOTAL PRISON
0721C16803	64	FELONY TRIAL TOTAL PROB.
0731C17103	65	FELONY TRIAL TOTAL JAIL
0741D17401	66	CORR.1 RECEIVING AGENCY
0742		1STATE INSTITUTION
0742		2PROBATION AGENCY
0742		3JAIL
0742		4PAROLE AGENCY
0742		5OTHER
0751D17506		CORR.1 DATE ENTER AGENCY
0761D18106		CORR.1 DATE DIS. AGENCY
0771D18701	67	CORR.1 CHANGE IN STATUS
0772		OTRAN.OTHER JURISDICT
0772		1PAROLE
0772		2TECHNICAL REVOCATION
0772		3NEW FELONY REVOCATION
0772		4ABSCOND / ESCAPE
0772		5COURT DISCHARGE
0772		6COMMUTATION
0772		7DECEASED
0772		8RELEASED
0772		9SUSPENSION REVOKED
0781D18801	68	CORR.2 RECEIVING AGENCY
0782		1STATE INSTITUTION
0782		2PROBATION AGENCY
0782		3JAIL
0782		4PAROLE AGENCY
0782		5OTHER
0791D18906		CORR.2 DATE ENTER AGENCY
0801D19506		CORR.2 DATE DIS. AGENCY
0811D20101	69	CORR.2 CHANGE IN STATUS
0812		OTRAN.OTHER JURISDICT
0812		1PAROLE
0812		2TECHNICAL REVOCATION
0812		3NEW FELONY REVOCATION
0812		4ABSCOND / ESCAPE
0812		5COURT DISCHARGE

0812		6COMMUTATION
0812		7DECEASED
0812		8RELEASED
0812		9SUSPENSION REVOKED
0821D20201	70	CORR.3 RECEIVING AGENCY
0822		1STATE INSTITUTION
0822		2PROBATION AGENCY
0822		3JAIL
0822		4PAROLE AGENCY
0822		5OTHER
0831D20306		CORR.3 DATE ENTER AGENCY
0841D20906		CORR.3 DATE DIS. AGENCY
0851D21501	71	CORR.3 CHANGE IN STATUS
0852		OTRAN.OTHER JURISDICT
0852		1PAROLE
0852		2TECHNICAL REVOCATION
0852		3NEW FELONY REVOCATION
0852		4ABSCOND / ESCAPE
0852		5COURT DISCHARGE
0852		6COMMUTATION
0852		7DECEASED
0852		8RELEASED
0852		9SUSPENSION REVOKED
0861D21601	72	CORR.4 RECEIVING AGENCY
0862		1STATE INSTITUTION
0862		2PROBATION AGENCY
0862		3JAIL
0862		4PAROLE AGENCY
0862		5OTHER
0871D21706		CORR.4 DATE ENTER AGENCY
0881D22306		CORR.4 DATE DIS. AGENCY
0891D22901	73	CORR.4 CHANGE IN STATUS
0892		OTRAN.OTHER JURISDICT
0892		1PAROLE
0892		2TECHNICAL REVOCATION
0892		3NEW FELONY REVOCATION
0892		4ABSCOND / ESCAPE
0892		5COURT DISCHARGE
0892		6COMMUTATION
0892		7DECEASED
0892		8RELEASED
0892		9SUSPENSION REVOKED
0901D23001	74	CORR.5 RECEIVING AGENCY
0902		1STATE INSTITUTION
0902		2PROBATION AGENCY
0902		3JAIL
0902		4PAROLE AGENCY
0902		5OTHER

0911D23106		CORR.5 DATE ENTER AGENCY
0921D23706		CORR.5 DATE DIS. AGENCY
0931D24301	75	CORR.5 CHANGE IN STATUS
0932		OTRAN.OTHER JURISDICT
0932		1PAROLE
0932		2TECHNICAL REVOCATION
0932		3NEW FELONY REVOCATION
0932		4ABSCOND / ESCAPE
0932		5COURT DISCHARGE
0932		6COMMUTATION
0932		7DECEASED
0932		8RELEASED
0932		9SUSPENSION REVOKED
0941D24401	76	PRIOR REC. SYSTEM STATUS
0942		1CONTINUE TO NEXT LEVEL
0942		2NO MORE INFO. AVAILABLE
0942		3NEW ARREST
0942		4EXIT FROM SYSTEM
0951D24501	77	PRE-TRIAL SYSTEM STATUS
0952		1CONTINUE TO NEXT LEVEL
0952		2NO MORE INFO. AVAILABLE
0952		3NEW ARREST
0952		4EXIT FROM SYSTEM
0961D24601	78	FELONY TRIAL SYS. STATUS
0962		1CONTINUE TO NEXT LEVEL
0962		2NO MORE INFO. AVAILABLE
0962		3NEW ARREST
0962		4EXIT FROM SYSTEM
0971D24701	79	CORR.ACTION SYSTEM STATUS
0972		1CONTINUE TO NEXT LEVEL
0972		2NO MORE INFO. AVAILABLE
0972		3NEW ARREST
0972		4EXIT FROM SYSTEM
0981D24802	80	STATUS AT END OF TRACE
0982		01DEATH OF DEFENDANT
0982		02TRANS.LAW ENFORCE. AGENCY
0982		03TRANSFER OTHER AGENCY
0982		04RELEASED POLICE
0982		05DISMISSED PRE-TRIAL
0982		06ACQUITTED MISDEMEANOR
0982		07CONVICTED MISDEMEANOR
0982		08CIVIL COMMITMENT
0982		09DISMISSED FELONY TRIAL
0982		10ACQUITTED FELONY
0982		11JAIL
0982		12PROBATION
0982		13PRISON
0982		14PAROLE

0982		15OTHER SUPERVISION
0982		16NO MORE INFO. AVAILABLE
0982		17NEW ARREST
0982		18OTHER EXIT FROM SYSTEM
0991C25304	81	AGE AT ARREST
1001C25704	82	ARREST TO FILING PRETRIAL
1011C26104	83	ARREST TO FILING TRIAL
1021C26504	84	ARREST TO ENT.CYCLE1 CORR
1031C26904	85	I/O PRE-TRIAL
1041C27304	86	I/O TRIAL
1051C27704	87	I/O CORRECTIONS TOTAL
1061C28104	88	I/O CORRECTIONS CYCLE 1
1071C28504	89	I/O CORRECTIONS CYCLE 2
1081C28904	90	I/O CORRECTIONS CYCLE 3
1091C29304	91	I/O CORRECTIONS CYCLE 4
1101C29704	92	I/O CORRECTIONS CYCLE 5

TECHNICAL APPENDIX III  
ANALYSIS AND EXAMPLES OF OFFENDER-BASED  
TRANSACTIONAL STATISTICS IN CALIFORNIA

ANALYSIS OF  
ARRESTEE/OFFENSE RECORDS  
FOR  
THIRTEEN SELECTED CALIFORNIA  
COUNTIES

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21 September 1970

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## I. INTRODUCTION

The investigation of the operation of the criminal justice system requires quantitative information on the administration of justice in the various counties throughout the state. To develop this information, the Bureau of Criminal Statistics has been collecting data on the processing of individuals through the criminal justice system from their arrest to their final disposition. This data has been collected for approximately 15,000 arrests from thirteen selected counties. A description of the data collected is given in Section II. The Bureau has included information on the personal arrestee characteristics and the nature of the offense, in addition to the criminal justice actions taken in each case. The project presented in this report has developed methods for the analysis of this arrestee/offense data and has demonstrated the utility of the information by performing representative analyses using the developed procedures.

The first project phase developed a computer program for displaying the summarized information in tabular form showing the relationships between two specific data elements. The program is very general, allowing the user to select two variables to be displayed from a range of crime/offender/disposition characteristics. An explanation of this program and examples of the types of tables that can be generated is discussed in Section III of this report. In addition to the tabular representation of the relationships between the data elements taken two-at-a-time, several multiple combinations of the variables were evaluated using more sophisticated mathematical techniques to determine the relative significance of certain characteristics upon the administration of criminal justice. These include the determination of the extent to which such items as the probability of conviction or the probability of being sent to prison following a conviction can be explained by the personal characteristics of the offender or the characteristics describing the severity of the convicted offense. The methods used in this analysis and the results obtained are presented in Section IV.

## II. DATA FILE

For the purpose of evaluating the utility of collecting offense/arrest data, the Bureau of Criminal Statistics selected thirteen counties from which to collect data. These counties represent a range from sparsely populated rural areas to densely populated urban areas. A list of the counties selected is given in Table 2-1.

Table 2-1. List of Counties

Butte	Plumas
Del Norte	Sacramento
Humboldt	San Francisco
Lake	San Joaquin
Mendocino	Stanislaus
Napa	Sutter
Placer	

Information on the arrestee, offense, and disposition was entered on punch cards for 1969 data from these counties. A list of the information elements included on the punch cards is given in Table 2-2.

To facilitate future statistical processing, the data from the cards were placed on magnetic tape. This process included an editing routine to detect recording and keypunch errors and to insure that the recorded information conformed with the specified data codes. The specific computer editing program was developed for continuing use as additional arrest records are added to the data file.



Table 2-2. Data Elements

<u>Columns</u>	<u>Description - Coding</u>
1-5	Jurisdiction Identification Number
6-20	Name of Arrestee (Last, First, MI)
21-26	Booking Number
27-33	C.I.I. Number
34-36	Booked Offense (BCS Offense Code)
37-38	Month Arrested
39	Year Arrested (Last Digit)
40-42	Report to Arrest Time Lapse (Tenths of Months)
43-44	Birth Year of Arrestee
45	Sex and Race of Arrestee <ul style="list-style-type: none"> <li>1 - Male White</li> <li>2 - Male Mexican-American</li> <li>3 - Male Negro</li> <li>4 - Male Indian</li> <li>5 - Male Other</li> <li>6 - Female White</li> <li>7 - Female Mexican-American</li> <li>8 - Female Negro</li> <li>9 - Female Indian</li> <li>0 - Female Other</li> <li>X - Unknown/Not Stated</li> </ul>
46	Alcohol Involvement <ul style="list-style-type: none"> <li>1 - Victim and Arrestee Drinking</li> <li>2 - Victim Only Drinking</li> <li>3 - Arrestee Only Drinking</li> <li>4 - No Alcohol Involvement</li> <li>X - Unknown/Not Stated</li> </ul>
47	Where Arrested <ul style="list-style-type: none"> <li>1 - In County</li> <li>2 - Out of County</li> <li>X - Unknown/Not Stated</li> </ul>

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
48	Type of Arrest <ul style="list-style-type: none"> <li>1 - Warrant</li> <li>2 - Citizen</li> <li>3 - On View</li> <li>4 - Institutional Hold</li> <li>5 - APB or Known Want</li> <li>X - Unknown/Not Stated</li> </ul>
49	Number of Crime Partners (Including Arrestee) <ul style="list-style-type: none"> <li>1 - Lone Participant</li> <li>2 - Two Persons</li> <li>3 - Three Persons</li> <li>4 - Four Persons</li> <li>5 - Five Persons</li> <li>6 - Six Persons</li> <li>7 - Seven Persons</li> <li>8 - Eight Persons</li> <li>9 - Nine or More Persons</li> <li>X - Unknown/Not Stated</li> </ul>
50	Victim Arrestee Relationship <ul style="list-style-type: none"> <li>1 - Spouse, Ex-Spouse or Common Law</li> <li>2 - Son, Daughter, Mother, Father, In-Law, Live-In Relative</li> <li>3 - Other Relative, Friend, Close Associate, Fellow Prisoner</li> <li>4 - Acquaintances, Met at Bar, Neighbor</li> <li>5 - Absolute Stranger, Never Seen or Talked to (Before Event)</li> <li>6 - Law Enforcement Officer - On or Off Duty</li> <li>9 - Other</li> <li>0 - Not Applicable</li> <li>X - Unknown/Not Stated</li> </ul>
51	Victim's Age <ul style="list-style-type: none"> <li>1 - Up through 13</li> </ul>

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
51 (Cont)	2 - 14 through 17 3 - 18 through 19 4 - 20 through 24 5 - 25 through 29 6 - 30 through 39 7 - 40 through 49 8 - 50 through 59 9 - 60 and Over 0 - Not Applicable X - Unknown/Not Stated
52	Sex and Race of Victim (Same Coding as Column 45)
53	Victim's Role 1 - Social Partner 2 - Engaged in Business Activity 3 - Pedestrian 4 - Vehicle Driver or Passenger 5 - Householder at Home 0 - Not Applicable X - Unknown/Not Stated
54	Compliance by Victim 1 - Passive - No Resistance 2 - Drugged, Intoxicated, Surprised 3 - Fled, Refused, Mute Verbally 4 - Originated Offense, Sought Arrestee 5 - Struggled - Some Physical Exertion 6 - Chased Arrestee 7 - Beat Arrestee 8 - Knifed Arrestee 9 - Shot Arrestee 0 - Not Applicable X - Unknown/Not Stated

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
55	Premises Where Occurred 1 - Residence - House, Apartment, Trailer, Tent, Barracks, Etc. 2 - Multiple Dwelling - Hotel, Motel 3 - Food/Drink Business - Restaurant, Bar, Drive-in, Saloon 4 - Grocery/Liquor Business - Market, Liquor Store, Food Chain, Pantry 5 - Other Commercial Business - Gas Station, Hardware, Medical Office, Bank 6 - For Hire Vehicle - Bus, Taxi, Commercial Plane, Ferry, Truck 7 - Private Vehicle - Auto, Motorcycle 8 - Public Open Area - Park, Street, Freeway, Walk, Parking Lot 9 - Private/Closed Area - Woods, Levee Road, Cemetery 0 - Entertainment - Theater, Dancehall, Sports Arena X - Unknown/All Other - Church, School, Jail, Hospital, Library
56	Arrestee's Weapon 1 - None 2 - Physical - Feet, Elbow, Hands 3 - Club - Board, Sap, Tire Iron, Rock 4 - Knife - Saw, Sword, Scissors, Axe, Needle, Icepick 5 - Handgun - Small, Pocket-type, Automatic, Revolver, Concealable 6 - Rifle - Longbarreled, Shotgun, .22 Calibre, Machine Gun 7 - Explosive - Powder, Chemical, Firebomb, Gasoline 8 - Vehicle - When used to deliberately injure or kill 9 - Other - Poison, Electrical Shock, Medicine

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
56 (Cont)	0 - Not Applicable X - Unknown/Not Stated
57	Arrestee's Level of Violence Towards Victim 1 - None 2 - Threat Only 3 - Grab, Push, Hold 4 - Shot at, but Missed 5 - Beat with Hand, Club, Rock 6 - Cut, Stabbed, Punctured 7 - Shot and Hit 8 - Burned with Fire, Acid 9 - Torture by any Means 0 - Not Applicable X - Unknown/Not Stated
58	Arrestee's Level of Force Towards Property 1 - None 2 - Used Key - Lock Cheat, Celluloid, Special Tool 3 - Forced Entry - Broke In 4 - Used Explosives - Fire, Torch 0 - Not Applicable X - Unknown/Not Stated
59	Value of Property Stolen 0 - None and attempts 1 - Up to \$5 2 - \$5 to \$19 3 - \$20 to \$49 4 - \$50 to \$99 5 - \$100 to \$199 6 - \$200 to \$499 7 - \$500 to \$999

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
59 (Cont)	8 - \$1,000 to \$2,999 9 - \$3,000 and over X - Unknown/Not Stated
60	Blank
61	Police Disposition 1 - Released 2 - Other Jurisdiction 3 - Misdemeanor Complaint 4 - Felony Complaint
62	Felony Complaint Disposition 1 - Information 2 - Indict 3 - Certify 4 - Prosecute in Lower Court 5 - Felony Tried in Lower Court (17 P.C.) 6 - Dismissed by Lower Court 7 - Transferred to Juvenile Court 8 - Duplicate Tried in Superior Court 9 - Duplicate Tried in Municipal Court
63-65	Original Charged Offense (BCS Offense Codes)
66-68	Arrest to Disposition Time Lapse (Tenths of Months)
69-71	Convicted Offense
72	Reason for Dismissal 0 - Second Case 1 - Interest of Justice, Lack of Evidence, etc. 2 - 1538.5 P.C. 3 - 995 P.C. 4 - Remanded to Municipal or Justice Court 5 - Released to Other Jurisdiction 6 - Transferred to Juvenile Court

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
72 (Cont)	7 - Death of Defendant 8 - Off-Calendar to State Hospital - Mentally ill 9 - Off-Calendar - Bench Warrant Outstanding Six Months or More X - Unknown/Not Stated
73	Disposition 0 - Dismissed or Off-Calendar (4 to 9 in Column 72) 1 - Dismissed or Off-Calendar (1-3 in Column 72) 2 - Submitted on Transcript - Acquitted 3 - Submitted on Transcript - Convicted 4 - Acquitted by Jury or Insane at Commission 5 - Acquitted by Court or Insane at Commission 6 - Convicted - Original Plea of Guilty 7 - Convicted - Not Guilty Plea Changed to Guilty 8 - Convicted - Jury 9 - Convicted - Court
74	Sentence 0 - Death 1 - Prison 2 - CYA 3 - Probation 4 - Probation and Jail 5 - Probation and Jail - Work Furlough 6 - Jail - Note - 1 Day Susp. - Count as Jail Only 7 - Jail - Work Furlough 8 - Fine 9 - Mental Hygiene Civil Commitment - MDSO X - CRC (3051 W&I)
75	Length of Probation X - None 0 - Under 1 Year

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description - Coding</u>
75 (Cont)	1 - Under 2 2 - Under 3 3 - 3 - Under 4 4 - 4 - Under 5 5 - 5 - Under 6 6 - 6 - Under 10 7 - 10 - and Over 8 - Indefinite 9 - Not Given
76	Length of Jail Term 0 - 0-29 Days, Under 1 Month 1 - 30 Days, 1 Month 2 - 31-60 Days, 2 Months 3 - 61-90 " , 3 " 4 - 91-120 " , 4 " 5 - 121-150 Days, 5 Months 6 - 151-210 " , 6 and 7 Months 7 - 211-270 " , 8 and 9 Months 8 - 271-330 " , 10 and 11 Months 9 - 331-365 " , 12 Months and Over
77	Level of Conviction 1 - Felony as Charged 2 - Felony as Charged - Misdemeanor Sentence 3 - Felony as Charged - Section 17 P.C. 4 - Lesser Felony - Felony Sentence 5 - Lesser Felony - Misdemeanor Sentence 6 - Lesser Felony - 17 P.C. 7 - Lesser Misdemeanor. 8 - Misdemeanor as Charged

Table 2-2. Data Elements (Continued)

<u>Columns</u>	<u>Description</u>
78	Prior Record
	X - No Prior Arrests
	0 - 1 or 2 Arrests - No Convictions
	1 - 3 to 7 Arrests - No Conviction, 1 or 2 Convictions of Less Than 90 Days Jail (Or Fine)
	2 - 8 or More Arrests - No Convictions, 3 to 5 Convictions of Less Than 90 Days Jail (Or Fine)
	3 - 6 or More Convictions of Less Than 90 Days Jail
	4 - 1 or 2 Convictions of 90 Days Jail or More
	5 - 3 or More Convictions of 90 Days Jail or More
	6 - 1 Prison Commitment
	7 - 1 Prison Commitment with 2 or More Convictions of 90 Days Jail or More
	8 - 2 Prison Commitments
	9 - 3 or More Prison Commitments
79	Existing Criminal Status
	0 - Not Under any Commitment
	1 - On Parole - Department of Corrections
	2 - On Parole - Youth Authority
	3 - California Felony Probation
	4 - California Misdemeanor Probation
	5 - California Juvenile Probation
	6 - Other Jurisdiction Probation
	7 - Other Jurisdiction Parole
	8 - CRC Parole
	9 - Serving Term in Prison
	X - Serving Term in Other Institution
80	Control Column

III. TABLE GENERATION PROGRAM OPERATION

The BCS table generation program provides the method for displaying:

1. The distribution of cases within the criminal justice system operations,
2. The relationship between separate proceedings of the criminal justice system,
3. The relationship between criminal justice system proceedings and the characteristics of the offender and offense,
4. The relationship between various offender/victim characteristics.

For the tables giving the distribution of cases within any one of the criminal justice system's operations, the numbers of individuals and the percentage figures for each of the possible dispositions are presented on a single table. For the remainder of the table types which show the relationship between two fields of the data cards, four separate tables will be printed. The first lists the number of cases within each cell of the table. The second lists the overall percentages for each cell. The overall percentage figures sum to 100 for the entire table and are computed by dividing the number of cases within each cell by the total for the table. The third table lists the vertical marginal percentages for each cell. The vertical marginal percentages sum to 100 for each vertical column on the table and are computed by dividing the number of cases within each cell by the total number of cases in the column containing that cell. The fourth table lists the horizontal marginal percentages for each cell. These sum to 100 for each horizontal row on the table and are computed by dividing the number of cases within each cell by the total number of cases in the row containing that cell.

An example of these tables, showing the relationship between Superior Court dispositions and arrest to disposition time lapse are given in Tables 3-2 through 3-5. The explanation of the court disposition codes is presented preceding these in Table 3-1. The

Table 3-1. Superior Court Disposition Codes

<u>Code</u>	<u>Disposition</u>
0	Dismissed or Off Calendar (See Reason for Dismissal Coding)
1	Dismissed or Off Calendar (See Reason for Dismissal Coding)
2	Submitted on Transcript - Acquitted
3	Submitted on Transcript - Convicted
4	Acquitted by Jury or Insane at Commission
5	Acquitted by Court or Insane at Commission
6	Convicted - Original Plea of Guilty
7	Convicted - Not Guilty Plea Changed to Guilty
8	Convicted - Jury
9	Convicted - Court

Table 3-2. Superior Court Dispositions Vs. Arrest to Disposition Time Lapse, Number of Cases

Sum of Every County  
Restrictions: None

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS											GROUPED CODES			
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
0.0 TU 1.0	36	30		2	3	3	2363	22	1	3	2463	6	6	2385	2391
1.1 TD 2.0	89	82		8	7	4	1951	121	16	5	2283	11	29	2072	2101
2.1 TU 3.0	87	134	2	5	20	9	845	299	41	11	1453	31	57	1144	1201
3.1 TD 4.0	67	111	1	4	25		389	367	111	10	1085	26	125	756	881
4.1 TD 5.0	38	59	2	8	12	2	164	260	60	12	617	16	80	424	504
5.1 TU 6.0	26	27		1	10		96	151	44	8	363	10	53	247	300
6.1 TD 7.0	23	15		1	5	1	41	110	19	5	220	6	25	151	176
7.1 TD 8.0	14	16		1	5	1	21	62	14		134	6	15	83	98
8.1 TD 9.0	5	9		1	1		24	37	9		86	1	10	61	71
9.1 TD 10.0	3	2	1		1	1	11	19	11	1	50	3	12	30	42
10.1 TU 11.0	2					1	2	8	5		18	1	5	10	15
11.1 TD 12.0	1						2	10	1		14		1	12	13
MORE THAN 12.0	3	2		1			9	5	3	1	24		5	14	19
TOTAL NUMBER	394	497	6	32	89	22	5918	1471	335	56	8810	117	423	7389	7812
AVERAGE TIME LAPSE	3.4	3.4	4.7	5.1	3.9	3.5	1.7	4.3	4.7	4.2	2.4	3.8	4.6	2.2	2.3
MAXIMUM TIME LAPSE	40.0	14.8	9.5	58.2	9.4	10.3	99.1	40.0	14.6	16.1	99.1	10.3	58.2	99.1	99.1

Table 3-3. Superior Court Dispositions Vs. Arrest to Disposition Time Lapse,  
Overall Percentages

Sum of Every County  
Restrictions: None

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										9	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	TOTAL		2, 4,5	3, 8,9	6,7	3, 6-9
0.0 TO 1.0	.4	.3		.0	.0	.0	26.8	.2	.0	.0	28.0	.1	.1	27.1	27.1
1.1 TO 2.0	1.0	.9		.1	.1	.0	22.1	1.4	.2	.1	25.9	.1	.3	23.5	23.8
2.1 TO 3.0	1.0	1.5	.0	.1	.2	.1	9.6	3.4	.5	.1	16.5	.4	.6	13.0	13.6
3.1 TO 4.0	.8	1.3	.0	.0	.3		4.4	4.2	1.3	.1	12.3	.3	1.4	8.6	10.0
4.1 TO 5.0	.4	.7	.0	.1	.1	.0	1.9	3.0	.7	.1	7.0	.2	.9	4.8	5.7
5.1 TO 6.0	.3	.3		.0	.1		1.1	1.7	.5	.1	4.1	.1	.6	2.8	3.4
6.1 TO 7.0	.3	.2		.0	.1	.0	.5	1.2	.2	.1	2.5	.1	.3	1.7	2.0
7.1 TO 8.0	.2	.2		.0	.1	.0	.2	.7	.2		1.5	.1	.2	.9	1.1
8.1 TO 9.0	.1	.1		.0	.0		.3	.4	.1		1.0	.0	.1	.7	.8
9.1 TO 10.0	.0	.0	.0		.0	.0	.1	.2	.1	.0	.6	.0	.1	.3	.5
10.1 TO 11.0	.0					.0	.0	.1	.1		.2	.0	.1	.1	.2
11.1 TO 12.0	.0						.0	.1	.0		.2		.0	.1	.1
MORE THAN 12.0	.0	.0		.0			.1	.1	.0	.0	.3		.1	.2	.2
TOTAL NUMBER	4.5	5.5	.1	.4	1.0	.2	67.2	16.7	3.8	.6	100.0	1.3	4.8	83.9	88.7



Table 3-4. Superior Court Dispositions Vs. Arrest to Disposition Time Lapse, Vertical Percentages

Sum of Every County  
Restrictions: None

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	9		2, 4,5	3, 8,9	6,7	3, 6-9
0.0 TO 1.0	9.1	6.2		6.3	3.4	13.6	39.9	1.5	.3	5.4	28.0	5.1	1.4	32.3	30.6
1.1 TO 2.0	22.6	16.8		25.0	7.9	18.2	33.0	8.2	4.8	8.9	25.9	9.4	6.9	28.0	26.9
2.1 TO 3.0	22.1	27.5	33.3	15.6	22.5	40.9	14.3	20.3	12.2	19.6	16.5	26.5	13.5	15.5	15.4
3.1 TO 4.0	17.0	22.8	16.7	12.5	28.1		6.6	24.9	33.1	17.9	12.3	22.2	29.6	10.2	11.3
4.1 TO 5.0	9.6	12.1	33.3	25.0	13.5	9.1	2.8	17.7	17.9	21.4	7.0	13.7	18.9	5.7	6.5
5.1 TO 6.0	6.6	5.5		3.1	11.2		1.6	10.3	13.1	14.3	4.1	8.5	12.5	3.3	3.8
6.1 TO 7.0	5.8	3.1		3.1	5.6	4.5	.7	7.5	5.7	8.9	2.5	5.1	5.9	2.0	2.3
7.1 TO 8.0	3.6	3.3		3.1	5.6	4.5	.4	4.2	4.2		1.5	5.1	3.5	1.1	1.3
8.1 TO 9.0	1.3	1.8		3.1	1.1		.4	2.5	2.7		1.0	.9	2.4	.8	.9
9.1 TO 10.0	.8	.4	16.7		1.1	4.5	.2	1.3	3.3	1.8	.6	2.6	2.8	.4	.5
10.1 TO 11.0	.5					4.5	.0	.5	1.5		.2	.9	1.2	.1	.2
11.1 TO 12.0	.3						.0	.7	.3		.2		.2	.2	.2
MORE THAN 12.0	.8	.4		3.1			.2	.3	.9	1.8	.3		1.2	.2	.2
TOTAL NUMBER	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 3-5. Superior Court Dispositions Vs. Arrest to Disposition Time Lapse,  
Horizontal Percentages

Sum of Every County  
Restrictions: None

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										9 TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5		3, 8,9	6,7	3, 6-9	
0.0 TO 1.0	1.5	1.2		.1	.1	.1	95.9	.9	.0	.1	100.0	.2	.2	96.8	97.1
1.1 TO 2.0	3.9	3.6		.4	.3	.2	85.5	5.3	.7	.2	100.0	.5	1.3	90.8	92.0
2.1 TO 3.0	6.0	9.2	.1	.3	1.4	.6	58.2	20.6	2.8	.8	100.0	2.1	3.9	78.7	82.7
3.1 TO 4.0	6.2	10.2	.1	.4	2.3		75.9	33.8	10.2	.9	100.0	2.4	11.5	69.7	81.2
4.1 TO 5.0	6.2	9.6	.3	1.3	1.9	.3	26.6	42.1	9.7	1.9	100.0	2.6	13.0	68.7	81.7
5.1 TO 6.0	7.2	7.4		.3	2.8		26.4	41.6	12.1	2.2	100.0	2.8	14.6	68.0	82.6
6.1 TO 7.0	10.5	6.8		.5	2.3	.5	18.6	50.0	8.6	2.3	100.0	2.7	11.4	68.6	80.0
7.1 TO 8.0	10.4	11.9		.7	3.7	.7	15.7	46.3	10.4		100.0	4.5	11.2	61.9	73.1
8.1 TO 9.0	5.8	10.5		1.2	1.2		27.9	43.0	10.5		100.0	1.2	11.6	70.9	82.6
9.1 TO 10.0	6.0	4.0	2.0		2.0	2.0	22.0	38.0	22.0	2.0	100.0	6.0	24.0	60.0	84.0
10.1 TO 11.0	11.1					5.6	11.1	44.4	27.8		100.0	5.6	27.8	55.6	83.3
11.1 TO 12.0	7.1						14.3	71.4	7.1		100.0		7.1	85.7	92.9
MORE THAN 12.0	12.5	8.3		4.2			37.5	20.8	12.5	4.2	100.0		20.8	58.3	79.2
TOTAL NUMBER	4.5	5.5	.1	.4	1.0	.2	67.2	16.7	3.8	.6	100.0	1.3	4.8	83.9	88.7

method for controlling the computer generation of the tables is presented in the following paragraphs. The complete documentation of the table generation program, including a description of the program operations, a flow diagram indicating the operating sequence of the various sub-elements of the program, and a complete listing of the operational program written in COBOL has been published separately. Additional sample tables appear in Appendix A.

TABLE SELECTION - PROGRAM CONTROL CARDS

The selection of the tables that are desired to be printed is determined by a set of control cards furnished to the computer, together with the table generation program and the magnetic tape data file.

With a single control card the operator can:

1. Select any one of the ten horizontal axis displays,
2. Select any one of the 26 vertical axis displays,
3. Have a table generated for any number of the 13 counties or simultaneously have the data from all 13 counties combined into a separate table,
4. If desired, suppress the printing of either or both of the marginal percentage tables,
5. Place restrictions on what data is to be used for generating tables.

A copy of the coding sheet for the control card is given in Figure 3-1. Referring to the information titles given on the coding sheet, the following paragraphs explain the use of the coding sheet in controlling the table generation program and in the selection of the desired tables. A detailed coding sheet instruction booklet has been published separately.

HORIZONTAL AXIS

A list of the ten horizontal axis that can be used is given in the accompanying table, Table 3-6. Each entry in the table is

TABLE GENERATION PROGRAM CODING SHEET			Optional Restrictions
<input type="checkbox"/>	Horizontal Axis Identification Number		Use data with Booking Offense Codes between <input type="checkbox"/> 1
<input type="checkbox"/>	Vertical Axis Identification Number	<input type="checkbox"/>	← and
<input type="checkbox"/>	County Tables Printed	<input type="checkbox"/>	← and also between
<input type="checkbox"/>	Every County table	<input type="checkbox"/>	← and
<input type="checkbox"/>	Butte	<input type="checkbox"/>	←
<input type="checkbox"/>	Del Norte	<input type="checkbox"/>	Use data with Original Charged Offense Codes between <input type="checkbox"/> 2
<input type="checkbox"/>	Humboldt	<input type="checkbox"/>	← and
<input type="checkbox"/>	Lake	<input type="checkbox"/>	← and also between
<input type="checkbox"/>	Mendocino	<input type="checkbox"/>	← and
<input type="checkbox"/>	Napa	<input type="checkbox"/>	←
<input type="checkbox"/>	Placer	<input type="checkbox"/>	Use data with Convicted Offense Codes between <input type="checkbox"/> 3
<input type="checkbox"/>	Plumas	<input type="checkbox"/>	← and
<input type="checkbox"/>	Sacramento	<input type="checkbox"/>	← and also between
<input type="checkbox"/>	San Francisco	<input type="checkbox"/>	← and
<input type="checkbox"/>	San Joaquin	<input type="checkbox"/>	←
<input type="checkbox"/>	Stanislaus	<input type="checkbox"/>	Exclude Guilty pleas <input type="checkbox"/> 4
<input type="checkbox"/>	Sutter	<input type="checkbox"/>	Use Superior Cases only <input type="checkbox"/> 5
<input type="checkbox"/>	All Counties combined	<input type="checkbox"/>	Use Felony Convictions only <input type="checkbox"/> 6
		<input type="checkbox"/>	Do not print tables giving vertical marginal percentages <input type="checkbox"/> 7
		<input type="checkbox"/>	Do not print tables giving horizontal marginal percentages <input type="checkbox"/> 8

Figure 3-1. Control Card Coding Sheet

Table 3-6. Horizontal Axis, Selections

<u>ID No.</u>	<u>Description</u>
	Pertaining to Dispositions:
11	Police and Felony Complaint Dispositions
12	Superior Court Disposition
13	Dismissal
14	Sentence
15	Level of Conviction
	Pertaining to Offenses:
16	Booking Offense
17	Original Court Offense
18	Convicted Offense
	Pertaining to Victim:
19	Victim - Sex and Race
20	Age of Victim

provided with an identification number. The horizontal axis is selected by entering the two digit identification number on the coding sheet in the locations indicated for columns 1 and 2 on the card. For the example presented in Tables 3-2 through 3-5, a "1, 2" was entered.

#### VERTICAL AXIS

A list of the 26 vertical axis displays that can be selected are given in Table 3-7. As indicated on the table, each of the vertical axis is given an identification number. The vertical axis selection is made by entering the two digit identification number on the coding sheet in the spaces marked for columns 6 and 7 on the card. For the example presented in Tables 3-2 through 3-5, a "1, 6" was entered.

#### COUNTY TABLES

The operator has the option of generating the table for data from any one or group of the 13 counties and/or have a single table combining the data from all of the counties. Referring to the coding sheet, Appendix A, the operator selects the county for display by entering a "1" on the coding sheet in the space adjacent to the county name. If all 13 county displays are desired, the operator need only place a "1" in column 11. A table combining the data from all of the counties will be printed by placing a "1" in the column 25 box opposite the title "All Counties Combined." This last entry was used to generate Tables 3-2 through 3-5. The operator enters only the desired 1's, all other spaces may be left blank. As many of these as is needed may be selected on the same coding sheet.

#### RESTRICTIONS (OPTIONAL)

The following paragraphs indicate the restrictions that can be placed on the data to be used for generating the tables and give the procedures for suppressing the printing of the tables giving the vertical and horizontal marginal percentages. No restrictions were used in making Tables 3-2 through 3-5.

Table 3-7. Vertical Axis, Selections

<u>ID No.</u>	<u>Description</u>
	Overall Figures and Time Lapses:
11	Number and Percent Only
12	Number and Percent with Report to Arrest Average Time
13	Number and Percent with Arrest to Disposition Average Time
14	Number and Percent with Report to Disposition Average Time
15	Time Lapse for Report to Arrest
16	Time Lapse for Arrest to Disposition
17	Time Lapse for Report to Disposition
	Pertaining to Offenses:
18	Booking Offense
19	Original Charged Offense
20	Convicted Offense
	Pertaining to Offender:
21	Age of Offender
22	Offender - Sex and Race
23	Existing Criminal Status
24	Prior Record Code
25	Alcohol Involvement
26	Number of Crime Partners
	Pertaining to Crime:
27	Apparent Motive
28	Premise of Offense
29	Type of Weapon
30	Value of Property
31	Level of Violence - Persons
32	Level of Force - Property

Table 3-7. Vertical Axis, Selections (Continued)

<u>ID No.</u>	<u>Description</u>
	Pertaining to Victim:
33	Age of Victim
34	Victim - Sex and Race
35	Victim - Offender Relation
36	Role of Victim
37	Compliance of Victim

Restrictions on Offense Codes. If it is desired to display data only with regard to certain offenses, either for Booking Offense, Original Charged Offense, or Convicted Offense, the inclusive ranges of the desired offense codes can be entered on the control card. The program will then use only offender data falling within these ranges. The program allows for either one or two ranges to be selected simultaneously for each offense type. Standard BCS offense codes are used.

For selecting a desired range in Booking Offense, the operator enters the first number of the booking offense range in the spaces marked for columns 31-33. The highest number of the range is then entered in the spaces marked for columns 34-36. If a second range of booking offense codes is also desired to be included, the first number of the second range is entered in the spaces marked for columns 37-39 and the highest number of the second range in the spaces marked for columns 40-42. As an example, it is desired to present data for homicide cases excluding manslaughter. The number "100" would be entered in columns 31, 32, and 33, and the number "120" in the spaces for columns 34, 35, and 36. Columns 37 through 42 would be left blank. If only first degree murder is desired, the number "110" would be entered in both fields, 31 through 33 and 34 through 36. As a third example, consider data for the driving offenses including vehicular manslaughter. In this case, columns 31 and 33 would contain the number "160," columns 34 through 36 the number "166," columns 37 through 39 would contain the number "850," and columns 40 through 42 the number "869."

Selecting data for only certain Original Charged Offenses or for only certain Convicted Offenses is done in a similar manner. As indicated on the coding sheet, columns 44 through 55 pertain to the Original Charged Offense and columns 57 through 68 to the Convicted Offense.

Exclude Guilty Pleas. If it is desired to exclude data on offenders that entered an original plea of guilty; that is, cards

containing a 6 punch in column 73, the box marked on the coding sheet for column 71 should contain a "1."

Superior Court Cases Only. To construct tables restricted to data having a Superior Court disposition, a "1" should be placed in the space marked on the coding sheet for column 72. This will cause the program to reject all data having no Superior Court disposition.

Felony Convictions Only. To generate tables containing only data for offenders who received a felony conviction, a "1" should be placed on the coding sheet on the space marked for column 73. This causes the program to consider data only for offenders having a 3, 6, 7, 8, or 9 punch for the Superior Court disposition (see Table 3-1).

Suppression of Marginal Percentage Tables. For all tabular presentations of the relationship between two fields on the data cards, four tables will be printed. The first contains the numbers of individuals, the second contains the overall percentage figures, the third contains the vertical marginal percentages, the fourth contains the horizontal marginal percentages. Either or both of these last two tables can be omitted by placing a "1" on the coding sheet in the corresponding box or boxes, columns 76 and 77.

#### IV. ANALYSES

To examine empirical relationships between selected variables and criminal justice processing, mathematical models were constructed. Criminal justice processing was represented by the probability of being convicted,  $P(\text{convicted})$ , and the probability of being committed to prison, given conviction,  $P(\text{prison/conviction})$ .

The analysis approach takes a series of "responses" generated by the system under study and attempts to associate changes in observed response to known changes in independent variables. Thus, the set of responses must exhibit variability which can be "explained" by the concomitant variation in the independent variables. Such responses can be created by setting specific conditions of the independent variables and determining how many of all the people who satisfy these conditions also meet the response criteria. For example, to relate probability of conviction to level of violence and value of property associated with offense, we would set some level of violence used and some amount of property lost and calculate, for all offenders who satisfy these conditions, the number who were convicted. Of the 17 people involved in offenses in which no violence was used and no property was lost, 13 were convicted. The ratio of convicted to total,  $13/17$ , provide the response  $P(\text{conviction}) = 13/17 = .765$ .

Models developed in this way relate to groups and not individuals. Therefore, prediction pertains to an expected number in a homogeneous group and not to persons one-by-one. A "good" model will predict the probability of group behavior, as opposed to individual activity.

The mathematical models take the following form:

$$\text{Response} = f(\text{variables}) + \text{error}$$

The function,  $f(\text{variables}) = f(\underline{x})$ , is approximated by a polynomial of the form,

$$f(\underline{x}) = F(x_1, x_2, \dots, x_k) + R(\underline{x})$$

where  $R(\underline{x})$  is the remainder, and

$$F(x_1, x_2, \dots, x_k) = b_0 + \sum_{i=1}^k b_i x_i + \sum_{i=1}^k \sum_{j=1}^k b_{ij} x_i x_j$$

Therefore,

$$\text{Response} = F(x_1, x_2, \dots, x_k) + R(\underline{x}) + \text{error}$$

The analysis consists of estimating the unknown polynomial coefficients,  $b_i$ . The best estimates for this purpose result from minimizing the sum of the squared differences between the observed response and the predicted response

$$\text{Min SS} = \sum_{i=1}^n (Y_{\text{observed}} - Y_{\text{predicted}})^2$$

These least-squared estimates are subject to error, and significance tests can be performed to test the hypothesis that a coefficient is equal to zero; that is, to test whether a variable has an affect on the response.

The estimation of the coefficients,  $b_i$ , establishes the form of the polynomial, and the size of the error permits conclusions about the adequacy of the model. The model indicates which variables are significant and also predicts how great a response should be expected from any variable combination.

The following models were all of first order and contained interactions between all independent variables:

MODEL 1 -  $P(\text{conviction}) = f(\text{level of violence, value of property})$

The first model examined the relationship between conviction and prison, given conviction, as a function of the level of violence used during the commission of the offense and the value of property taken. The following conditions for these independent variables were established:

Variable	Level		
	-1	0	+1
Level of Violence	None	Threat	Injury
Value of Property	None		Property Loss

For each combination of the independent variables, the probability of conviction and the probability of prison, given conviction, were calculated.

Table 4-1 summarizes the results of the analysis. At the 90% confidence level, the value of property and the interaction between violence and property were significant in explaining the variations in conviction. Probability of conviction is not very variable over the range of violence and property loss; 94% of the total variation in the system can be accounted for by the constant in the prediction equation. Of the variability remaining, the model equation was successful in "explaining" 80%. The equation representing the regression was not significant, as measured by its F-ratio which falls below the critical test value (95% confidence level) of 9.28.

Similarly, when the same independent variables were related to probability of prison, given conviction, only the interaction between level of violence and value of property was significant. In this case, 46% of the available variance could be attributed to the regression equation. The regression F-ratio of 3.43 was well below the critical value, 9.28, required for significance of prediction.

MODEL 2 -  $P(\text{conviction}) = f(\text{level of force, value of property})$

Model 2 focused on the relationship between the probability of conviction and the probability of prison, given conviction, for offenses in which force might have been used and property lost. The levels of the independent variables were:

Variable	Level		
	-1	0	+1
Level of Force	None		Force
Value of Property	None		Property Loss

No relationship was found to exist between probability of conviction and the independent variables. More than 99% of the variability in the system could be accounted for by the average probability of conviction .652. The regression equation could "explain" only 5% of the remaining 1% of the variability.



Table 4-1. P(Conviction) = f(Level of Violence, Value of Property)

FINAL EQUATION

$$P(\text{Conviction}) = .532 - .081 \text{ Property} + .106 \text{ Violence} \cdot \text{Property}$$

FINAL REGRESSION ANALYSIS

Analysis of Variance

<u>Source</u>	<u>Degrees of Freedom</u>	<u>F Ratio</u>	<u>Percent of SSY</u>	
Constant	SSC	1	247.2	94.2
Regression	SSR	2	6.1	4.7
Error	SSE	3	1.0	1.1
Total	SSY	6	43.7	100.0

Variance of Residual = .00687  
 Standard Deviation of Residual = .08290  
 Multiple Correlation Coefficient R = .896  
 R Squared = .803

On the question of being committed to prison, once convicted, strong relationships were found. These results are summarized in Table 4-2. The equation was successful in accounting for 99% of the variation in probability of prison commitment, given conviction. Both independent variables were found to be significant at the 90% confidence level and each had a positive coefficient. The positive coefficient of force indicates that when force is present, the probability of prison, given conviction, is higher. Likewise, in cases of property loss, probability of prison is higher. When both force and property loss are present, probability of prison, given conviction, is highest, for each variable contributes a positive amount.

The correspondence between the actual P(prison/conviction) and the predicted P(prison/conviction) is shown below:

<u>Condition</u>		<u>P(Prison/Conviction)</u>	
<u>Force</u>	<u>Property</u>	<u>Actual</u>	<u>Predicted</u>
None	None	.052	.049
None	Loss	.113	.116
Force	None	.083	.087
Force	Loss	.158	.155

MODEL 3 - P(Conviction) = f(Race, Existing Status, Age, Prior Record)

Various personal and criminal characteristics of the offender were related to the probability of conviction and the probability of prison, given conviction. The independent variables were broken into the levels shown below:

<u>Variable</u>	<u>Level</u>
Race	White - Non White -1,+1
Existing Status	None - Other -1,+1
Age	<25, 25-40, >40 -1,0,+1
Prior Record	None, Minor, Major, Prison 1,2,3,4

The model was developed to contain the four independent variables and all of the two level interactions between them.

Table 4-2. P(Prison/Conviction) = f(Level of Force, Value of Property)

FINAL EQUATION

$$P(\text{Prison/Conviction}) = .102 + .019 \text{ Force} + .034 \text{ Property}$$

FINAL REGRESSION ANALYSIS

Analysis of Variance

<u>Source</u>	<u>Degrees of Freedom</u>	<u>F Ratio</u>	<u>Percent of SSY</u>
Constant	SSC 1	841.0	87.1
Regression	SSR 2	61.9	12.8
Error	SSE 1	1.0	.1
Total	SSY 4	241.5	100.0

Variance of Residual	= .000049
Standard Deviation of Residual	= .007
Multiple Correlation Coefficient	R = .996
R Squared	= .992

Very little variation in the probability of conviction occurs over the various combinations of the independent variables. More than 98% of the total variation in the system can be related to the constant probability of conviction, .581. Of the remaining variation, the regression equation was successful in explaining 40%. Although the equation was found to be not significant, two variables, prior record and the interaction between race and prior record, were.

Relating probability of prison, given conviction, to these variables produced a good model, the details of which are shown in Table 4-3. The variables which contribute to the equation are important in the following order:

Prior Record	Age
Status Record	Status Age
Existing Status	Race Record

The F-ratio of the equation,  $F = 60.7$ , is well above the critical value of significance of 2.40 at the 95% confidence level, and 3.42 at the 99% confidence level. The equation "explains" 92% of the variation in the probabilities of prison, given conviction; the independent variables account for more than 44% of the total variation of the system (the constant represents 51% of the variation).

The equation indicates that the higher prior record, the more likely a prison commitment. Similarly, an existing status, coupled with a prior record, increases the probability of prison, given a conviction. In the same way, the other coefficients can be interpreted. The adequacy of the regression model is graphically depicted in Figure 4-1, which plots the actual versus the predicted probability of prison, given conviction. Perfect fit would result in all points falling on the  $45^\circ$  line of the graph.

Table 4-3. P(Prison/Conviction) = f(Race, Existing Status, Age, and Prior Record)

FINAL EQUATION

$$P(\text{Prison/Conviction}) = -.262 -.210 \text{ Status} -.036 \text{ Age} +.136 \text{ Prior Record} -.005 \text{ Race} \cdot \text{Prior Record} -.031 \text{ Status} \cdot \text{Age} +.078 \text{ Status} \cdot \text{Prior Record}$$

FINAL REGRESSION ANALYSIS

Analysis of Variance

<u>Source</u>	<u>Degrees of Freedom</u>	<u>F Ratio</u>	<u>Percent of SSY</u>
Constant	SSC 1	417.6	51.3
Regression	SSR 6	60.7	44.7
Error	SSE 33	1.0	4.0
Total	SSY 40	20.3	100.0

Variance of Residual = .00181  
 Standard Deviation of Residual = .0426  
 Multiple Correlation Coefficient R = .958  
 R Squared = .917

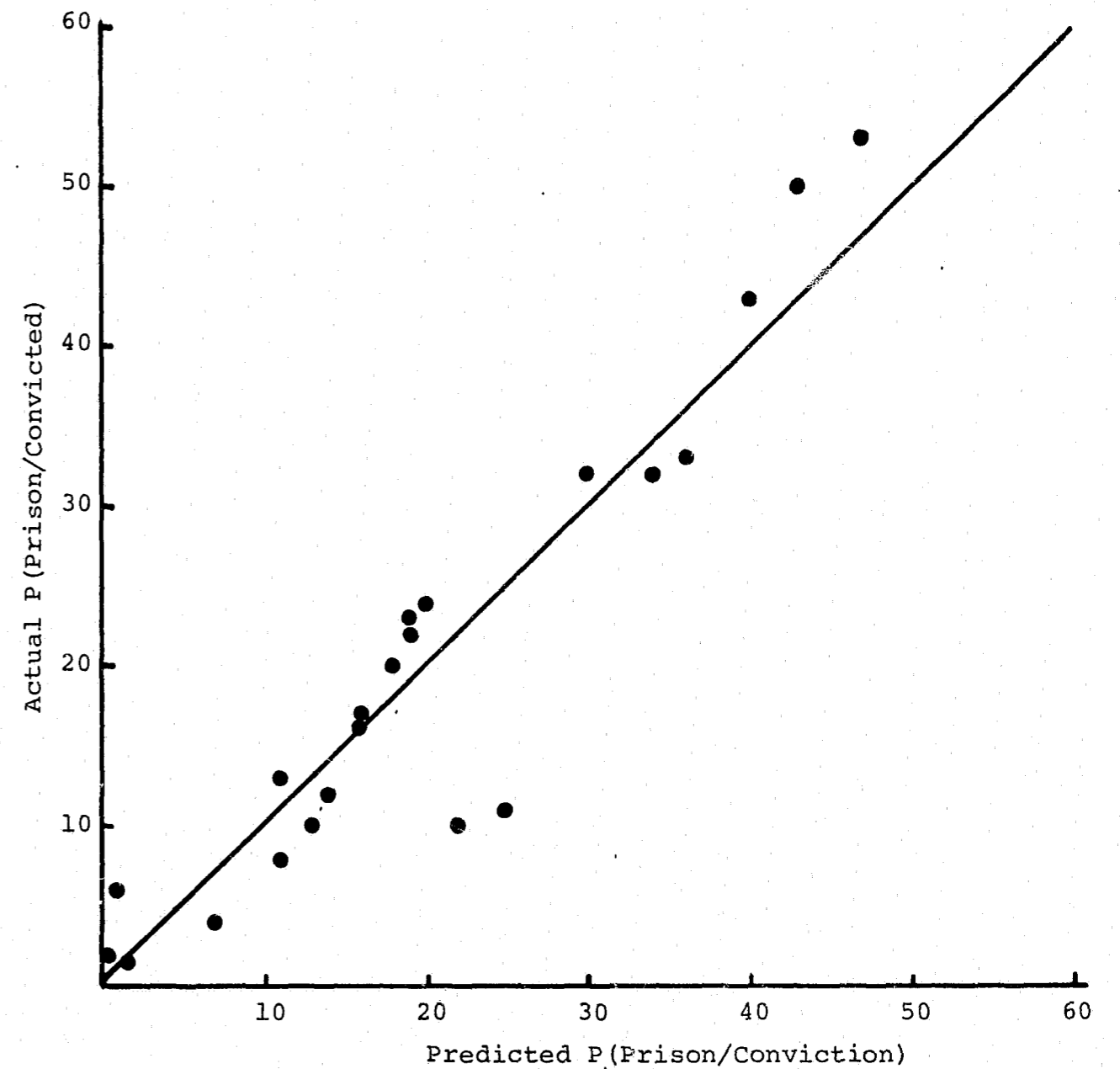


Figure 4-1. Actual Vs. Predicted Probability of Prison

APPENDIX A  
 TABLE GENERATION PROGRAM: SAMPLE TABLES

Listing of Representative Sample Tables

<u>Table Title</u>	<u>Page No.</u>
Superior Court Dispositions vs. Arrest to Disposition Time Lapse	12
Sentence vs. Arrest to Disposition Time Lapse	13
Sentence vs. Arrest to Disposition Time Lapse (Detailed)	14
Police and Felony Complaint Dispositions vs. Arrest to Disposition Time Lapse (Detailed)	18
Police and Felony Complaint Dispositions vs. Age of Offender	22
Police and Felony Complaint Dispositions vs. Sex and Race of Offender	26
Police and Felony Complaint Dispositions vs. Prior Criminal Record	30
Police and Felony Complaint Dispositions vs. Existing Criminal Status	34
Superior Court Dispositions vs. Age of Offender	38
Superior Court Dispositions vs. Sex and Race of Offender	42
Superior Court Dispositions vs. Prior Criminal Record	46
Superior Court Dispositions vs. Existing Criminal Status	50
Superior Court Dispositions vs. Arrest to Disposition Time Lapse (Detailed) for Robbery Booking Offense	54
Sentence vs. Sex and Race of Offender for Robbery Booking Offense	58
Sentence vs. Sex and Race of Offender for Robbery Original Charged Offense	62
Sentence vs. Sex and Race of Offender for Robbery Convicted Offense	66

SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY

NUMBER OF CASES

PAGE 1

VS.

RESTRICTIONS: NONE

APREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
NUMBER OF CASES	394	487	6	32	89	22	5918	1471	335	56	8810	117	423	7389	7812	
PERCENT	4	6			1		67	17	4	1	100	1	5	84	89	
AVERAGE TIME LAPSE (MO)	3.4	3.4	4.7	5.1	3.9	3.5	1.7	4.3	4.7	4.2	2.4	3.8	4.6	2.2	2.3	

SENTENCE  
VS.

SUM OF EVERY COUNTY  
RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
NUMBER OF CASES	6	812	210	2556	2074	191	1387	8	336	26	195	7801	2265	1395	3660	4688	221
PERCENT		10	3	33	27	2	18		4		2	100	29	18	47	60	3
AVERAGE TIME LAPSE(MM)	4.0	3.0	2.8	2.1	2.8	1.1	1.8	1.2	1.6	3.8	3.0	2.3	2.7	1.8	2.3	2.4	3.1

SENTENCE  
VS.

SUM OF EVERY COUNTY  
RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
0.0 TO 1.0	1	120	20	917	361	130	647	4	173	3	11	2387	491	651	1142	1283	14
1.1 TO 2.0		222	71	689	601	28	354	3	64	3	67	2102	629	357	986	1279	70
2.1 TO 3.0		124	48	389	379	14	150		50	1	47	1202	393	150	543	715	48
3.1 TO 4.0	1	149	32	220	297	10	112	1	20	7	30	879	307	113	420	602	37
4.1 TO 5.0	3	96	15	133	166	2	49		15	7	16	502	168	49	217	331	23
5.1 TO 6.0		40	12	89	106	3	35		4	3	7	299	109	35	144	196	10
6.1 TO 7.0	1	18	5	54	76	2	12		2	1	4	175	78	12	90	114	5
7.1 TO 8.0		20	6	22	34	1	6		1	1	6	97	35	6	41	67	7
8.1 TO 9.0		9		19	29		7		3		4	71	29	7	36	45	4
9.1 TO 10.0		10	1	10	8		8		2		1	40	8	8	16	27	1
10.1 TO 11.0		1		5	5		3				1	15	5	3	8	9	1
11.1 TO 12.0				5	5		1		1		1	13	5	1	6	6	1
MORE THAN 12.0		3		4	7	1	3		1			19	8	3	11	14	
TOTAL NUMBER	6	812	210	2556	2074	191	1387	8	336	26	195	7801	2265	1395	3660	4688	221
AVERAGE TIME LAPSE	4.0	3.0	2.8	2.1	2.8	1.1	1.8	1.2	1.6	3.8	3.0	2.3	2.7	1.8	2.3	2.4	3.1
MAXIMUM TIME LAPSE	6.6	18.8	9.1	58.2	81.0	12.7	99.1	3.7	12.4	7.6	11.1	99.1	81.0	99.1	99.1	99.1	11.1

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SENTENCE

SUM OF EVERY COUNTY

OVERALL PERCENTAGES

PAGE 2

VS.

RESTRICTIONS: NONE

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
0.0 TO 1.0	.0	1.5	.3	11.8	4.6	1.7	8.3	.1	2.2	.0	.1	30.6	6.3	8.3	14.6	16.4	.2
1.1 TO 2.0		2.8	.9	8.8	7.7	.4	4.5	.0	.8	.0	.9	26.9	8.1	4.6	12.6	16.4	.9
2.1 TO 3.0		1.6	.6	5.0	4.9	.2	1.9		.6	.0	.6	15.4	5.0	1.9	7.0	9.2	.6
3.1 TO 4.0	.0	1.9	.4	2.8	3.8	.1	1.4	.0	.3	.1	.4	11.3	3.9	1.4	5.4	7.7	.5
4.1 TO 5.0	.0	1.2	.2	1.7	2.1	.0	.6		.2	.1	.2	6.4	2.2	.6	2.8	4.2	.3
5.1 TO 6.0		.5	.2	1.1	1.4	.0	.4		.1	.0	.1	3.8	1.4	.4	1.8	2.5	.1
6.1 TO 7.0	.0	.2	.1	.7	1.0	.0	.2		.0	.0	.1	2.2	1.0	.2	1.2	1.5	.1
7.1 TO 8.0		.3	.1	.3	.4	.0	.1		.0	.0	.1	1.2	.4	.1	.5	.9	.1
8.1 TO 9.0		.1		.2	.4		.1		.0		.1	.9	.4	.1	.5	.6	.1
9.1 TO 10.0		.1	.0	.1	.1		.1		.0		.0	.5	.1	.1	.2	.3	.0
10.1 TO 11.0		.0		.1	.1		.0				.0	.2	.1	.0	.1	.1	.0
11.1 TO 12.0				.1	.1		.0		.0		.0	.2	.1	.0	.1	.1	.0
MORE THAN 12.0		.0		.1	.1	.0	.0		.0			.2	.1	.0	.1	.2	
TOTAL NUMBER	.1	10.4	2.7	32.8	26.6	2.4	17.8	.1	4.3	.3	2.5	100.0	29.0	17.9	46.9	60.1	2.8



SENTENCE

SUM OF EVERY COUNTY

VERTICAL PERCENTAGES

PAGE 3

VS.

RESTRICTIONS: NONE

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
0.0 TO 1.0	16.7	14.8	9.5	35.9	17.4	68.1	46.6	50.0	51.5	11.5	5.6	30.6	21.7	46.7	31.2	27.4	6.3
1.1 TO 2.0		27.3	33.8	27.0	29.0	14.7	25.5	37.5	19.0	11.5	34.4	26.9	27.8	25.6	26.9	27.3	31.7
2.1 TO 3.0		15.3	22.9	15.2	18.3	7.3	10.8		14.9	3.8	24.1	15.4	17.4	10.8	14.8	15.3	21.7
3.1 TO 4.0	16.7	18.3	15.2	8.6	14.3	5.2	8.1	12.5	6.0	26.9	15.4	11.3	13.6	8.1	11.5	12.8	16.7
4.1 TO 5.0	50.0	11.8	7.1	5.2	8.0	1.0	3.5		4.5	26.9	8.2	6.4	7.4	3.5	5.9	7.1	10.4
5.1 TO 6.0		4.9	5.7	3.5	5.1	1.6	2.5		1.2	11.5	3.6	3.8	4.8	2.5	3.9	4.2	4.5
6.1 TO 7.0	16.7	2.2	2.4	2.1	3.7	1.0	.9		.6	3.8	2.1	2.2	3.4	.9	2.5	2.4	2.3
7.1 TO 8.0		2.5	2.9	.9	1.6	.5	.4		.3	3.8	3.1	1.2	1.5	.4	1.1	1.4	3.2
8.1 TO 9.0		1.1		.7	1.4		.5		.9		2.1	.9	1.3	.5	1.0	1.0	1.8
9.1 TO 10.0		1.2	.5	.4	.4		.6		.6		.5	.5	.4	.6	.4	.6	.5
10.1 TO 11.0		.1		.2	.2		.2				.5	.2	.2	.2	.2	.2	.5
11.1 TO 12.0				.2	.2		.1		.3		.5	.2	.2	.1	.2	.1	.5
MORE THAN 12.0		.4		.2	.3	.5	.2		.3			.2	.4	.2	.3	.3	
TOTAL NUMBER	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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SENTENCE

SUM OF EVERY COUNTY

HORIZONTAL PERCENTAGES

PAGE 4

VS.

RESTRICTIONS: NONE

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
0.0 TO 1.0	.0	5.0	.8	38.4	15.1	5.4	27.1	.2	7.2	.1	.5	100.0	20.6	27.3	47.8	53.7	.6
1.1 TO 2.0		10.6	3.4	32.8	28.6	1.3	16.8	.1	3.0	.1	3.2	100.0	29.9	17.0	46.9	60.8	3.3
2.1 TO 3.0		10.3	4.0	32.4	31.5	1.2	12.5		4.2	.1	3.9	100.0	32.7	12.5	45.2	59.5	4.0
3.1 TO 4.0	.1	17.0	3.6	25.0	33.8	1.1	12.7	.1	2.3	.8	3.4	100.0	34.9	12.9	47.8	68.5	4.2
4.1 TO 5.0	.6	19.1	3.0	26.5	33.1	.4	9.8		3.0	1.4	3.2	100.0	33.5	9.8	43.2	65.9	4.6
5.1 TO 6.0		13.4	4.6	29.8	35.5	1.0	11.7		1.3	1.0	2.3	100.0	36.5	11.7	48.2	65.6	3.3
6.1 TO 7.0	.6	10.3	2.9	30.9	43.4	1.1	6.9		1.1	.6	2.3	100.0	44.6	6.9	51.4	65.1	2.9
7.1 TO 8.0		20.6	6.2	22.7	35.1	1.0	6.2		1.0	1.0	6.2	100.0	36.1	6.2	42.3	69.1	7.2
8.1 TO 9.0		12.7		26.8	40.6		9.9		4.2		5.6	100.0	40.8	9.9	50.7	63.4	5.6
9.1 TO 10.0		25.0	2.5	25.0	20.0		20.0		5.0		2.5	100.0	20.0	20.0	40.0	67.5	2.5
10.1 TO 11.0		6.7		33.3	33.3		20.0				6.7	100.0	33.3	20.0	53.3	60.0	6.7
11.1 TO 12.0				38.5	38.5		7.7		7.7		7.7	100.0	38.5	7.7	46.2	46.2	7.7
MORE THAN 12.0		15.8		21.1	36.8	5.3	15.8		5.3			100.0	42.1	15.8	57.9	73.7	
TOTAL NUMBER	.1	10.4	2.7	32.8	26.6	2.4	17.8	.1	4.3	.3	2.5	100.0	29.0	17.9	46.9	60.1	2.8

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POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 ARREST TO DISPOSITION TIME LAPSE

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4-5	6-9
0.0 TO 1.0	2		134	3953	4089	187	15	215	1697	234	1413	171	23	26	3981	417	1931	1633
1.1 TO 2.0	5		36	2842	2883	706	45	669	666	159	549	29	5	27	2855	1420	825	610
2.1 TO 3.0			18	1669	1687	833	33	157	294	114	223	4	3	12	1673	1023	408	242
3.1 TO 4.0			6	1200	1206	782	41	85	136	37	110	6	2	3	1202	908	173	121
4.1 TO 5.0			6	670	676	477	34	43	41	16	52	4	1	2	670	554	57	59
5.1 TO 6.0				403	403	294	19	19	20	10	37	1	1	2	403	332	30	41
6.1 TO 7.0			3	233	236	188	8	6	15	2	15			1	235	202	17	16
7.1 TO 8.0				143	143	122	7		4		9			1	143	129	4	10
8.1 TO 9.0				89	89	71	5	2	6	2	2	1			89	78	8	3
9.1 TO 10.0			1	53	54	33	8	2	5	2	4				54	43	7	4
10.1 TO 11.0				19	19	16	2				1				19	18		1
11.1 TO 12.0				16	16	12			2		2				16	12	2	2
MORE THAN 12.0				25	25	15		4	4	1	1				25	19	5	1
TOTAL NUMBER	7		204	11315	11526	3736	217	1202	2890	577	2418	216	35	74	11365	5155	3467	2743
AVERAGE TIME LAPSE	1.1	.0	1.1	2.2	2.2	3.6	3.8	2.0	1.2	1.7	1.3	.8	1.2	1.7	2.2	3.2	1.3	1.3
MAXIMUM TIME LAPSE	1.8	.0	9.2	99.1	99.1	57.0	10.9	91.0	99.1	58.2	29.0	8.5	5.9	7.1	99.1	81.0	99.1	29.0

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 ARREST TO DISPOSITION TIME LAPSE

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

OVERALL PERCENTAGES

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
0.0 TO 1.0	.0		1.2	34.3	35.5	1.6	.1	1.9	14.9	2.1	12.4	1.5	.2	.2	35.0	3.7	17.0	14.4
1.1 TO 2.0	.0		.3	24.7	25.0	6.2	.4	5.9	5.9	1.4	4.8	.3	.0	.2	25.1	12.5	7.3	5.4
2.1 TO 3.0			.2	14.5	14.6	7.3	.3	1.4	2.6	1.0	2.0	.0	.0	.1	14.7	9.0	3.6	2.1
3.1 TO 4.0			.1	10.4	10.5	6.9	.4	.7	1.2	.3	1.0	.1	.0	.0	10.6	8.0	1.5	1.1
4.1 TO 5.0			.1	5.8	5.9	4.2	.3	.4	.4	.1	.5	.0	.0	.0	5.9	4.9	.5	.3
5.1 TO 6.0				3.5	3.5	2.6	.2	.2	.2	.1	.3	.0	.0	.0	3.5	2.9	.3	.4
6.1 TO 7.0			.0	2.0	2.0	1.7	.1	.1	.1	.0	.1			.0	2.1	1.8	.1	.1
7.1 TO 8.0				1.2	1.2	1.1	.1		.0		.1			.0	1.3	1.1	.0	.1
8.1 TO 9.0				.8	.8	.6	.0	.0	.1	.0	.0	.0			.8	.7	.1	.0
9.1 TO 10.0			.0	.5	.5	.3	.1	.0	.0	.0	.0				.5	.4	.1	.0
10.1 TO 11.0				.2	.2	.1	.0				.0				.2	.2		.0
11.1 TO 12.0				.1	.1	.1			.0		.0				.1	.1	.0	.0
MORE THAN 12.0				.2	.2	.1		.0	.0	.0	.0				.2	.2	.0	.0
TOTAL NUMBER	.1		1.8	98.2	100.0	32.9	1.9	10.6	25.4	5.1	21.3	1.9	.3	.7	100.0	45.4	30.5	24.1

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 ARREST TO DISPOSITION TIME LAPSE

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

VERTICAL PERCENTAGES

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
0.0 TO 1.0	28.6		65.7	34.9	35.5	5.0	6.9	17.9	58.7	40.6	58.4	79.2	65.7	35.1	35.0	8.1	55.7	59.5
1.1 TO 2.0	71.4		17.6	25.1	25.0	18.9	20.7	55.7	23.0	27.6	22.7	13.4	14.3	36.5	25.1	27.5	23.8	22.2
2.1 TO 3.0			8.8	14.8	14.6	22.3	15.2	13.1	10.2	19.8	9.2	1.9	8.6	16.2	14.7	19.8	11.8	8.8
3.1 TO 4.0			2.9	10.6	10.5	20.9	18.9	7.1	4.7	6.4	4.5	2.8	5.7	4.1	10.6	17.6	5.0	4.4
4.1 TO 5.0			2.9	5.9	5.9	12.8	15.7	3.6	1.4	2.8	2.2	1.9	2.9	2.7	5.9	10.7	1.6	2.2
5.1 TO 6.0				3.6	3.5	7.9	8.8	1.6	.7	1.7	1.5	.5	2.9	2.7	3.5	6.4	.9	1.5
6.1 TO 7.0			1.5	2.1	2.0	5.0	3.7	.5	.5	.3	.6			1.4	2.1	3.9	.5	.6
7.1 TO 8.0				1.3	1.2	3.3	3.2		.1		.4			1.4	1.3	2.5	.1	.4
8.1 TO 9.0				.8	.8	1.9	2.3	.2	.2	.3	.1	.5			.8	1.5	.2	.1
9.1 TO 10.0			.5	.5	.5	.9	3.7	.2	.2	.3	.2				.5	.8	.2	.1
10.1 TO 11.0				.2	.2	.4	.9				.0				.2	.3		.0
11.1 TO 12.0				.1	.1	.3			.1		.1				.1	.2	.1	.1
MORE THAN 12.0				.2	.2	.4		.3	.1	.2	.0				.2	.4	.1	.0
TOTAL NUMBER	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 ARREST TO DISPOSITION TIME LAPSE

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
0.0 TO 1.0	.0		3.3	96.7	100.0	4.7	.4	5.4	42.6	5.9	35.5	4.3	.6	.7	100.0	10.5	48.5	41.0
1.1 TO 2.0	.2		1.2	98.6	100.0	24.7	1.6	23.4	23.3	5.6	19.2	1.0	.2	.9	100.0	49.7	28.9	21.4
2.1 TO 3.0			1.1	98.9	100.0	49.8	2.0	9.4	17.6	6.8	13.3	.2	.2	.7	100.0	61.1	24.4	14.5
3.1 TO 4.0			.5	99.5	100.0	65.1	3.4	7.1	11.3	3.1	9.2	.5	.2	.2	100.0	75.5	14.4	10.1
4.1 TO 5.0			.9	99.1	100.0	71.2	5.1	6.4	6.1	2.4	7.8	.6	.1	.3	100.0	82.7	8.5	8.8
5.1 TO 6.0				100.0	100.0	73.0	4.7	4.7	5.0	2.5	9.2	.2	.2	.5	100.0	82.4	7.4	10.2
6.1 TO 7.0			1.3	98.7	100.0	80.0	3.4	2.6	6.4	.9	6.4			.4	100.0	86.0	7.2	6.8
7.1 TO 8.0				100.0	100.0	85.3	4.9		2.8		6.3			.7	100.0	90.2	2.8	7.0
8.1 TO 9.0				100.0	100.0	79.8	5.6	2.2	6.7	2.2	2.2	1.1			100.0	87.6	9.0	3.4
9.1 TO 10.0			1.9	98.1	100.0	61.1	14.8	3.7	9.3	3.7	7.4				100.0	79.6	13.0	7.4
10.1 TO 11.0				100.0	100.0	84.2	10.5				5.3				100.0	94.7		5.3
11.1 TO 12.0				100.0	100.0	75.0			12.5		12.5				100.0	75.0	12.5	12.5
MORE THAN 12.0				100.0	100.0	60.0		16.0	16.0	4.0	4.0				100.0	76.0	20.0	4.0
TOTAL NUMBER	.1		1.8	98.2	100.0	32.9	1.9	10.6	25.4	5.1	21.3	1.9	.3	.7	100.0	45.4	30.5	24.1

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 AGE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

AGE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
UNDER 18	11	1		27	39	7	5	1	8		3	3			27	13	8	6
18 - 19	451	46	41	2224	2762	684	35	251	462	129	454	189	6	22	2232	970	591	671
20 - 24	864	122	63	4189	5238	1525	91	459	987	202	865	19	17	39	4204	2075	1189	940
25 - 29	447	67	30	1951	2495	765	46	200	478	96	359		3	8	1955	1011	574	370
30 - 34	254	39	13	1008	1314	385	23	91	232	51	224		2	3	1011	499	283	229
35 - 39	162	29	19	777	987	278	21	76	206	28	166	1	4	3	783	375	234	174
40 - 49	232	28	21	951	1232	332	18	82	279	36	205		2	2	956	432	315	209
50 - 59	72	14	9	332	427	113	8	39	104	13	56				333	160	117	56
60 AND OVER	26	5	6	129	166	43	4	9	45	2	26				129	56	47	26
TOTAL	2519	351	202	11588	14660	4132	251	1208	2801	557	2358	212	34	77	11630	5591	3358	2681

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 AGE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

OVERALL PERCENTAGES

AGE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4-5	6-9
UNDER 18	.1	.0		.2	.3	.1	.0	.0	.1		.0	.0		.2	.2	.1	.1	.1
18 - 19	3.1	.3	.3	15.2	18.8	5.9	.3	2.2	4.0	1.1	3.9	1.6	.1	.2	19.2	8.3	5.1	5.8
20 - 24	5.9	.8	.4	28.6	35.7	13.1	.8	3.9	8.5	1.7	7.4	.2	.1	.3	36.1	17.8	10.2	8.1
25 - 29	3.0	.5	.2	13.3	17.0	6.6	.4	1.7	4.1	.8	3.1		.0	.1	16.8	8.7	4.9	3.2
30 - 34	1.7	.3	.1	6.9	9.0	3.3	.2	.8	2.0	.4	1.9		.0	.0	8.7	4.3	2.4	2.0
35 - 39	1.1	.2	.1	5.3	6.7	2.4	.2	.7	1.8	.2	1.4	.0	.0	.0	6.7	3.2	2.0	1.5
40 - 49	1.6	.2	.1	6.5	8.4	2.9	.2	.7	2.4	.3	1.8		.0	.0	8.2	3.7	2.7	1.8
50 - 59	.5	.1	.1	2.3	2.9	1.0	.1	.3	.9	.1	.5				2.9	1.4	1.0	.5
60 AND OVER	.2	.0	.0	.9	1.1	.4	.0	.1	.4	.0	.2				1.1	.5	.4	.2
TOTAL	17.2	2.4	1.4	79.0	100.0	35.5	2.2	10.4	24.1	4.8	20.3	1.8	.3	.7	100.0	48.1	28.9	23.1



POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 AGE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

VERTICAL PERCENTAGES

AGE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4-5	6-9
UNDER 18	.4	.3		.2	.3	.2	2.0	.1	.3		.1	1.4			.2	.2	.2	.2
18 - 19	17.9	13.1	20.3	19.2	18.8	16.6	13.9	20.8	16.5	23.2	19.3	89.2	17.6	28.6	19.2	17.3	17.6	25.0
20 - 24	34.3	34.8	31.2	36.1	35.7	36.9	36.3	38.0	35.2	36.3	36.7	9.0	50.0	50.6	36.1	37.1	35.4	35.1
25 - 29	17.7	19.1	14.9	16.8	17.0	18.5	18.3	16.6	17.1	17.2	15.2		8.8	10.4	16.8	16.1	17.1	13.8
30 - 34	10.1	11.1	6.4	8.7	9.0	9.3	9.2	7.5	8.3	9.2	9.5		5.9	3.9	8.7	8.9	8.4	8.5
35 - 39	6.4	8.3	9.4	6.7	6.7	6.7	8.4	6.3	7.4	5.0	7.0	.5	11.8	3.9	6.7	6.7	7.0	6.5
40 - 49	9.2	8.0	10.4	8.2	8.4	8.0	7.2	6.8	10.0	6.5	8.7		5.9	2.6	8.2	7.7	9.4	7.8
50 - 59	2.9	4.0	4.5	2.9	2.9	2.7	3.2	3.2	3.7	2.3	2.4				2.9	2.9	3.5	2.1
60 AND OVER	1.0	1.4	3.0	1.1	1.1	1.0	1.6	.7	1.6	.4	1.1				1.1	1.0	1.4	1.0
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 AGE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PAGE 4

AGE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
UNDER 18	26.2	2.6		69.2	100.0	25.9	18.5	3.7	29.6		11.1	11.1			100.0	48.1	29.6	22.2
18 - 19	16.3	1.7	1.5	80.5	100.0	30.6	1.6	11.2	20.7	5.8	20.3	8.5	.3	1.0	100.0	43.5	26.5	30.1
20 - 24	16.5	2.3	1.2	80.0	100.0	36.3	2.2	10.9	23.5	4.8	20.6	.5	.4	.9	100.0	49.4	28.3	22.4
25 - 29	17.9	2.7	1.2	78.2	100.0	39.1	2.4	10.2	24.5	4.9	18.4		.2	.4	100.0	51.7	29.4	18.9
30 - 34	19.3	3.0	1.0	76.7	100.0	38.1	2.3	9.0	22.9	5.0	22.2		.2	.3	100.0	49.4	28.0	22.7
35 - 39	16.4	2.9	1.9	78.7	100.0	35.5	2.7	9.7	26.3	3.6	21.2	.1	.5	.4	100.0	47.9	29.9	22.2
40 - 49	18.8	2.3	1.7	77.2	100.0	34.7	1.9	8.6	29.2	3.8	21.4		.2	.2	100.0	45.2	32.9	21.9
50 - 59	16.9	3.3	2.1	77.8	100.0	33.9	2.4	11.7	31.2	3.9	16.8				100.0	48.0	35.1	16.8
60 AND OVER	15.7	3.0	3.6	77.7	100.0	33.3	3.1	7.0	34.9	1.6	20.2				100.0	43.4	36.4	20.2
TOTAL	17.2	2.4	1.4	79.0	100.0	35.5	2.2	10.4	24.1	4.8	20.3	1.8	.3	.7	100.0	48.1	28.9	23.1

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

SEX AND RACE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES				
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4-5	6-9	
CODE 1	1300	230	122	6751	8403	2428	139	775	1575	334	1302	148	21	48	6770	3342	1909	1519	
CODE 2	93	18	21	893	1025	318	14	115	205	40	184	13	1	6	896	447	243	204	
CODE 3	755	54	29	2392	3230	900	69	143	621	115	504	24	9	19	2404	1112	736	556	
CODE 4	41	6	3	167	217	78	4	13	43	5	23			1	167	95	48	24	
CODE 5	50	5	2	158	215	36	5	11	49	7	44	5		1	158	52	56	50	
CODE 6	160	30	17	952	1159	285	16	104	241	50	240	16	3	4	959	405	291	263	
CODE 7	29	1	4	95	129	14	1	9	42	7	20	2			95	24	49	22	
CODE 8	102	8	3	298	411	82	3	32	85	18	76	2	1		299	117	103	79	
CODE 9	4	2	1	23	30	9		2	7		5				23	11	7	5	
TOTAL	2534	354	202	11729	14819	4150	251	1204	2868	576	2398	210	35	79	11771	5605	3444	2722	
*NOT KNOWN																			
*NOT APPLICABLE	18	2	3	83	106	16	2	5	25	1	28	6			83	23	26	34	
*GRAND TOTAL	2552	356	205	11812	14925	4166	253	1209	2893	577	2426	216	35	79	11854	5628	3470	2756	

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

OVERALL PERCENTAGES

SEX AND RACE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4-5	6-9
CODE 1	8.8	1.6	.8	45.6	56.7	20.6	1.2	6.6	13.4	2.8	11.1	1.3	.2	.4	57.5	28.4	16.2	12.9
CODE 2	.6	.1	.1	6.0	6.9	2.7	.1	1.0	1.7	.3	1.6	.1	.0	.1	7.6	3.8	2.1	1.7
CODE 3	5.1	.4	.2	16.1	21.8	7.6	.6	1.2	5.3	1.0	4.3	.2	.1	.2	20.4	9.4	6.3	4.7
CODE 4	.3	.0	.0	1.1	1.5	.7	.0	.1	.4	.0	.2			.0	1.4	.8	.4	.2
CODE 5	.3	.0	.0	1.1	1.5	.3	.0	.1	.4	.1	.4	.0		.0	1.3	.4	.5	.4
CODE 6	1.1	.2	.1	6.4	7.8	2.4	.1	.9	2.0	.4	2.0	.1	.0	.0	8.1	3.4	2.5	2.2
CODE 7	.2	.0	.0	.6	.9	.1	.0	.1	.4	.1	.2	.0			.8	.2	.4	.2
CODE 8	.7	.1	.0	2.0	2.8	.7	.0	.3	.7	.2	.6	.0	.0		2.5	1.0	.9	.7
CODE 9	.0	.0	.0	.2	.2	.1		.0	.1		.0				.2	.1	.1	.0
TOTAL	17.1	2.4	1.4	79.1	100.0	35.3	2.1	10.2	24.4	4.9	20.4	1.8	.3	.7	100.0	47.6	29.3	23.1
*NOT KNOWN																		
*NOT APPLICABLE	.1	.0	.0	.6	.7	.1	.0	.0	.2	.0	.2	.1			.7	.2	.2	.3
*GRAND TOTAL	17.1	2.4	1.4	79.1	100.0	35.1	2.1	10.2	24.4	4.9	20.5	1.8	.3	.7	100.0	47.5	29.3	23.2

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

VERTICAL PERCENTAGES

SEX AND RACE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 1	51.3	65.0	60.4	57.6	56.7	58.5	55.4	64.4	54.9	58.0	54.3	70.5	60.0	60.8	57.5	59.6	55.4	55.8
CODE 2	3.7	5.1	10.4	7.6	6.9	7.7	5.6	9.6	7.1	6.9	7.7	6.2	2.9	7.6	7.6	8.0	7.1	7.5
CODE 3	29.8	15.3	14.4	20.4	21.8	21.7	27.5	11.9	21.7	20.0	21.0	11.4	25.7	24.1	20.4	19.8	21.4	20.4
CODE 4	1.6	1.7	1.5	1.4	1.5	1.9	1.6	1.1	1.5	.9	1.0			1.3	1.4	1.7	1.4	.9
CODE 5	2.0	1.4	1.0	1.3	1.5	.9	2.0	.9	1.7	1.2	1.8	2.4		1.3	1.3	.9	1.6	1.8
CODE 6	6.3	8.5	8.4	8.1	7.8	6.9	6.4	8.6	8.4	8.7	10.0	7.6	8.6	5.1	8.1	7.2	8.4	9.7
CODE 7	1.1	.3	2.0	.8	.9	.3	.4	.7	1.5	1.2	.8	1.0			.8	.4	1.4	.8
CODE 8	4.0	2.3	1.5	2.5	2.8	2.0	1.2	2.7	3.0	3.1	3.2	1.0	2.9		2.5	2.1	3.0	2.9
CODE 9	.2	.6	.5	.2	.2	.2		.2	.2		.2				.2	.2	.2	.2
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
*NOT KNOWN																		
*NOT APPLICABLE	.7	.6	1.5	.7	.7	.4	.8	.4	.9	.2	1.2	2.3			.7	.4	.7	1.2
*GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

SEX AND RACE OF OFFENDER	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 1	15.5	2.7	1.5	80.3	100.0	35.9	2.1	11.4	23.3	4.9	19.2	2.2	.3	.7	100.0	49.4	28.2	22.4
CODE 2	9.1	1.8	2.0	87.1	100.0	35.5	1.6	12.8	22.9	4.5	20.5	1.5	.1	.7	100.0	49.9	27.3	22.8
CODE 3	23.4	1.7	.9	74.1	100.0	37.4	2.9	5.9	25.8	4.8	21.0	1.0	.4	.8	100.0	46.3	30.6	23.1
CODE 4	18.9	2.8	1.4	77.0	100.0	46.7	2.4	7.8	25.7	3.0	13.8			.6	100.0	56.9	28.7	14.4
CODE 5	23.3	2.3	.9	73.5	100.0	22.8	3.2	7.0	31.0	4.4	27.8	3.2		.6	100.0	32.9	35.4	31.6
CODE 6	13.8	2.6	1.5	82.1	100.0	29.7	1.7	10.8	25.1	5.2	25.0	1.7	.3	.4	100.0	42.2	30.3	27.4
CODE 7	22.5	.8	3.1	73.6	100.0	14.7	1.1	9.5	44.2	7.4	21.1	2.1			100.0	25.3	51.6	23.2
CODE 8	24.8	1.9	.7	72.5	100.0	27.4	1.0	10.7	28.4	6.0	25.4	.7	.3		100.0	39.1	34.4	26.4
CODE 9	13.3	6.7	3.3	76.7	100.0	39.1		8.7	30.4		21.7				100.0	47.8	30.4	21.7
TOTAL	17.1	2.4	1.4	79.1	100.0	35.3	2.1	10.2	24.4	4.9	20.4	1.8	.3	.7	100.0	47.6	29.3	23.1
*NOT KNOWN																		
*NOT APPLICABLE	17.0	1.9	2.8	78.3	100.0	19.3	2.4	6.0	30.1	1.2	33.7	7.2			100.0	27.7	31.3	41.0
*GRAND TOTAL	17.1	2.4	1.4	79.1	100.0	35.1	2.1	10.2	24.4	4.9	20.5	1.8	.3	.7	100.0	47.5	29.3	23.2

## POLICE AND FELONY COMPLAINT DISPOSITIONS

SUM OF EVERY COUNTY

NUMBER OF CASES

PAGE 1

VS.

RESTRICTIONS: NONE

PRIOR CRIMINAL RECORD

PRIOR RECORD CODE	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	216	27	24	1028	1295	341	22	87	281	57	212	21	1	12	1034	450	338	246
CODE 1	399	40	40	1690	2169	571	39	170	462	89	338	11	1	19	1700	780	551	369
CODE 2	116	11	12	433	572	155	3	36	127	25	83			4	433	194	152	87
CODE 3	22	6	3	115	146	48		9	33	3	22				115	57	36	22
CODE 4	532	80	46	2680	3338	1063	67	304	590	115	502	9	20	19	2689	1434	705	550
CODE 5	158	19	8	686	871	283	11	87	162	31	102		1	9	686	381	193	112
CODE 6	106	24	8	547	685	228	17	61	120	14	103	1	3	1	548	306	134	108
CODE 7	93	21	7	524	645	241	8	61	105	14	88		2	7	526	310	119	97
CODE 8	103	15	3	440	561	217	13	48	87	14	60			1	440	278	101	61
CODE 9	50	12	1	340	403	138	15	53	72	10	48		2	4	342	206	82	54
TOTAL	1795	255	152	8483	10685	3285	195	916	2039	372	1558	42	30	76	8513	4396	2411	1706
*CODE -	550	59	48	2824	3481	770	50	290	770	191	599	158	4	3	2835	1110	961	764
*GRAND TOTAL	2345	314	200	11307	14166	4055	245	1206	2809	563	2157	200	34	79	11348	5506	3372	2470
*CODE GROUP 1 - 3	537	57	55	2238	2887	774	42	215	622	117	443	11	1	23	2248	1031	739	478
*CODE GROUP 4 - 6	796	123	62	3913	4894	1574	95	452	872	160	707	10	24	29	3923	2121	1032	770
*CODE GROUP 7 - 9	246	48	11	1304	1609	596	36	162	264	38	196		4	12	1308	794	302	212

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 PRIOR CRIMINAL RECORD

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

OVERALL PERCENTAGES

PRIOR RECORD CODE	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	2.0	.3	.2	9.6	12.1	4.0	.3	1.0	3.3	.7	2.5	.2	.0	.1	12.1	5.3	4.0	2.9
CODE 1	3.7	.4	.4	15.8	20.3	6.7	.5	2.0	5.4	1.0	4.0	.1	.0	.2	20.0	9.2	6.5	4.3
CODE 2	1.1	.1	.1	4.1	5.4	1.8	.0	.4	1.5	.3	1.0			.0	5.1	2.3	1.8	1.0
CODE 3	.2	.1	.0	1.1	1.4	.6		.1	.4	.0	.3				1.4	.7	.4	.3
CODE 4	5.0	.7	.4	25.1	31.2	12.5	.8	3.6	6.9	1.4	5.9	.1	.2	.2	31.6	16.8	8.3	6.5
CODE 5	1.5	.2	.1	6.4	8.2	3.3	.1	1.0	1.9	.4	1.2		.0	.1	8.1	4.5	2.3	1.3
CODE 6	1.0	.2	.1	5.1	6.4	2.7	.2	.7	1.4	.2	1.2	.0	.0	.0	6.4	3.6	1.6	1.3
CODE 7	.9	.2	.1	4.9	6.0	2.8	.1	.7	1.2	.2	1.0		.0	.1	6.2	3.6	1.4	1.1
CODE 8	1.0	.1	.0	4.1	5.3	2.5	.2	.6	1.0	.2	.7			.0	5.2	3.3	1.2	.7
CODE 9	.5	.1	.0	3.2	3.8	1.6	.2	.6	.8	.1	.6		.0	.0	4.0	2.4	1.0	.6
TOTAL	16.8	2.4	1.4	79.4	100.0	38.6	2.3	10.8	24.0	4.4	18.3	.5	.4	.9	100.0	51.6	28.3	20.0
*CODE -	3.9	.4	.3	19.9	24.6	6.8	.4	2.6	6.8	1.7	5.3	1.4	.0	.0	25.0	9.8	8.5	6.7
*GRAND TOTAL	16.6	2.2	1.4	79.8	100.0	35.7	2.2	10.6	24.8	5.0	19.0	1.8	.3	.7	100.0	48.5	29.7	21.8
*CODE GROUP 1 - 3	3.8	.4	.4	15.8	20.4	6.8	.4	1.9	5.5	1.0	3.9	.1	.0	.2	19.8	9.1	6.5	4.2
*CODE GROUP 4 - 6	5.6	.9	.4	27.6	34.5	13.9	.8	4.0	7.7	1.4	6.2	.1	.2	.3	34.6	18.7	9.1	6.8
*CODE GROUP 7 - 9	1.7	.3	.1	9.2	11.4	5.3	.3	1.4	2.3	.3	1.7		.0	.1	11.5	7.0	2.7	1.9



POLICE AND FELONY COMPLAINT DISPOSITIONS

SUM OF EVERY COUNTY

VERTICAL PERCENTAGES

VS.

RESTRICTIONS: NONE

PRIOR CRIMINAL RECORD

PRIOR RECORD CODE	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	12.0	10.6	15.8	12.1	12.1	10.4	11.3	9.5	13.8	15.3	13.6	50.0	3.3	15.8	12.1	10.2	14.0	14.4
CODE 1	22.2	15.7	26.3	19.9	20.3	17.4	20.0	18.6	22.7	23.9	21.7	26.2	3.3	25.0	20.0	17.7	22.9	21.6
CODE 2	6.5	4.3	7.9	5.1	5.4	4.7	1.5	3.9	6.2	6.7	5.3			5.3	5.1	4.4	6.3	5.1
CODE 3	1.2	2.4	2.0	1.4	1.4	1.5		1.0	1.6	.8	1.4				1.4	1.3	1.5	1.3
CODE 4	29.6	31.4	30.3	31.6	31.2	32.4	34.4	33.2	28.9	30.9	32.2	21.4	66.7	25.0	31.6	32.6	29.2	32.2
CODE 5	8.5	7.5	5.3	8.1	8.2	8.6	5.6	9.5	7.9	6.3	6.5		3.3	11.8	8.1	8.7	8.0	6.6
CODE 6	5.9	9.4	5.3	6.4	6.4	6.9	8.7	6.7	5.9	3.8	6.6	2.4	10.0	1.3	6.4	7.0	5.6	6.3
CODE 7	5.2	8.2	4.6	6.2	6.0	7.3	4.1	6.7	5.1	3.8	5.6		6.7	9.2	6.2	7.1	4.9	5.7
CODE 8	5.7	5.9	2.0	5.2	5.3	6.6	6.7	5.2	4.3	3.8	3.9			1.3	5.2	6.3	4.2	3.6
CODE 9	2.8	4.7	.7	4.0	3.8	4.2	7.7	5.8	3.5	2.7	3.1		6.7	5.3	4.0	4.7	3.4	3.2
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
*CODE -	23.5	18.8	24.0	25.0	24.6	19.0	20.4	24.0	27.4	33.9	27.8	79.0	11.8	3.8	25.0	20.2	28.5	30.9
*GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
*CODE GROUP 1 - 3	22.9	18.2	27.5	19.8	20.4	19.1	17.1	17.8	22.1	20.8	20.5	5.5	2.9	29.1	19.8	18.7	21.9	19.4
*CODE GROUP 4 - 6	33.9	39.2	31.0	34.6	34.5	38.8	38.8	37.5	31.0	28.4	32.8	5.0	70.6	36.7	34.6	38.5	30.6	31.2
*CODE GROUP 7 - 9	10.5	15.3	5.5	11.5	11.4	14.7	14.7	13.4	9.4	6.7	9.1		11.8	15.2	11.5	14.4	9.0	8.6

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POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 PRIOR CRIMINAL RECORD

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PRIOR RECORD CODE	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	16.7	2.1	1.9	79.4	100.0	33.0	2.1	8.4	27.2	5.5	20.5	2.0	.1	1.2	100.0	43.5	32.7	23.8
CODE 1	18.4	1.8	1.8	77.9	100.0	33.6	2.3	10.0	27.2	5.2	19.9	.6	.1	1.1	100.0	45.9	32.4	21.7
CODE 2	20.3	1.9	2.1	75.7	100.0	35.8	.7	8.3	29.3	5.8	19.2			.9	100.0	44.8	35.1	20.1
CODE 3	15.1	4.1	2.1	78.8	100.0	41.7		7.8	28.7	2.6	19.1				100.0	49.6	31.3	19.1
CODE 4	15.9	2.4	1.4	80.3	100.0	39.5	2.5	11.3	21.9	4.3	18.7	.3	.7	.7	100.0	53.3	26.2	20.5
CODE 5	18.1	2.2	.9	78.8	100.0	41.3	1.6	12.7	23.6	4.5	14.9		.1	1.3	100.0	55.5	28.1	16.3
CODE 6	15.5	3.5	1.2	79.9	100.0	41.6	3.1	11.1	21.9	2.6	18.8	.2	.5	.2	100.0	55.8	24.5	19.7
CODE 7	14.4	3.3	1.1	81.2	100.0	45.8	1.5	11.6	20.0	2.7	16.7		.4	1.3	100.0	58.9	22.6	18.4
CODE 8	18.4	2.7	.5	78.4	100.0	49.3	3.0	10.9	19.8	3.2	13.6			.2	100.0	63.2	23.0	13.9
CODE 9	12.4	3.0	.2	84.4	100.0	40.4	4.4	15.5	21.1	2.9	14.0		.6	1.2	100.0	60.2	24.0	15.8
TOTAL	16.8	2.4	1.4	79.4	100.0	38.6	2.3	10.8	24.0	4.4	18.3	.5	.4	.9	100.0	51.6	28.3	20.0
*CODE -	15.8	1.7	1.4	81.1	100.0	27.2	1.8	10.2	27.2	6.7	21.1	5.6	.1	.1	100.0	39.2	33.9	26.9
*GRAND TOTAL	16.6	2.2	1.4	79.8	100.0	35.7	2.2	10.6	24.8	5.0	19.0	1.8	.3	.7	100.0	48.5	29.7	21.8
*CODE GROUP 1 - 3	18.6	2.0	1.9	77.5	100.0	34.4	1.9	9.6	27.7	5.2	19.7	.5	.0	1.0	100.0	45.9	32.9	21.3
*CODE GROUP 4 - 6	16.3	2.5	1.3	80.0	100.0	40.1	2.4	11.5	22.2	4.1	18.0	.3	.6	.7	100.0	54.1	26.3	19.6
*CODE GROUP 7 - 9	15.3	3.0	.7	81.0	100.0	45.6	2.8	12.4	20.2	2.9	15.0		.3	.9	100.0	60.7	23.1	16.2

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

EXISTING CRIMINAL STATUS	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	1717	206	163	7950	10036	2633	152	752	2143	449	1608	189	11	47	7984	3537	2592	1855
CODE 1	78	18	7	438	541	212	5	64	76	14	64		2	3	440	281	90	69
CODE 2	86	21	7	559	673	248	15	71	99	15	95	7	2	8	560	334	114	112
CODE 3	220	22	10	845	1097	376	21	103	159	26	143		15	5	848	500	185	163
CODE 4	218	27	13	1246	1504	479	31	136	301	52	228	4	3	13	1247	646	353	248
CODE 5																		
CODE 6	2	1		4	7	2		1			1				4	3		1
CODE 7	3	5		35	43	15		5	8		7				35	20	8	7
CODE 8	17	4		75	96	29	1	10	22	7	6				75	40	29	6
CODE 9	1	6		86	93	30	19	32			3		1	1	86	81		5
CODE -	2	4		69	75	31	1	32	1		2			2	69	64	1	4
TOTAL	2344	314	200	11307	14165	4055	245	1206	2809	563	2157	200	34	79	11348	5506	3372	2470

POLICE AND FELONY COMPLAINT DISPOSITIONS

SUM OF EVERY COUNTY

OVERALL PERCENTAGES

VS.

RESTRICTIONS: NONE

EXISTING CRIMINAL STATUS

EXISTING CRIMINAL STATUS	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	12.1	1.5	1.2	56.1	70.9	23.2	1.3	6.6	18.9	4.0	14.2	1.7	.1	.4	70.4	31.2	22.8	16.3
CODE 1	.6	.1	.0	3.1	3.8	1.9	.0	.6	.7	.1	.6		.0	.0	3.9	2.5	.8	.6
CODE 2	.6	.1	.0	3.9	4.8	2.2	.1	.6	.9	.1	.8	.1	.0	.1	4.9	2.9	1.0	1.0
CODE 3	1.6	.2	.1	6.0	7.7	3.3	.2	.9	1.4	.2	1.3		.1	.0	7.5	4.4	1.6	1.4
CODE 4	1.5	.2	.1	8.8	10.6	4.2	.3	1.2	2.7	.5	2.0	.0	.0	.1	11.0	5.7	3.1	2.2
CODE 5																		
CODE 6	.0	.0		.0	.0	.0		.0			.0				.0	.0		.0
CODE 7	.0	.0		.2	.3	.1		.0	.1		.1				.3	.2	.1	.1
CODE 8	.1	.0		.5	.7	.3	.0	.1	.2	.1	.1				.7	.4	.3	.1
CODE 9	.0	.0		.6	.7	.3	.2	.3			.0		.0	.0	.8	.7		.0
CODE -	.0	.0		.5	.5	.3	.0	.3	.0		.0			.0	.6	.6	.0	.0
TOTAL	16.5	2.2	1.4	79.8	100.0	35.7	2.2	10.6	24.8	5.0	19.0	1.8	.3	.7	100.0	48.5	29.7	21.8

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

VERTICAL PERCENTAGES

EXISTING CRIMINAL STATUS	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4-5	6-9
CODE 0	73.3	65.6	81.5	70.3	70.9	64.9	62.0	62.4	76.3	79.8	74.5	94.5	32.4	59.5	70.4	64.2	76.9	75.1
CODE 1	3.3	5.7	3.5	3.9	3.8	5.2	2.0	5.3	2.7	2.5	3.0		5.9	3.8	3.9	5.1	2.7	2.8
CODE 2	3.7	6.7	3.5	4.9	4.8	6.1	6.1	5.9	3.5	2.7	4.4	3.5	5.9	10.1	4.9	6.1	3.4	4.5
CODE 3	9.4	7.0	5.0	7.5	7.7	9.3	8.6	8.5	5.7	4.6	6.6		44.1	6.3	7.5	9.1	5.5	6.6
CODE 4	9.3	8.6	6.5	11.0	10.6	11.8	12.7	11.3	10.7	9.2	10.6	2.0	8.8	16.5	11.0	11.7	10.5	10.0
CODE 5																		
CODE 6	.1	.3		.0	.0	.0		.1			.0				.0	.1		.0
CODE 7	.1	1.6		.3	.3	.4		.4	.3		.3				.3	.4	.2	.3
CODE 8	.7	1.3		.7	.7	.7	.4	.8	.8	1.2	.3				.7	.7	.9	.2
CODE 9	.0	1.9		.8	.7	.7	7.8	2.7			.1		2.9	1.3	.8	1.5		.2
CODE -	.1	1.3		.6	.5	.8	.4	2.7	.0		.1			2.5	.6	1.2	.0	.2
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

POLICE AND FELONY COMPLAINT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PAGE 4

EXISTING CRIMINAL STATUS	POLICE DISPOSITIONS					FELONY COMPLAINT DISPOSITIONS									GROUPED CODES			
	1	2	3	4	TOTAL	1	2	3	4	5	6	7	8	9	TOTAL	1-3	4,5	6-9
CODE 0	17.1	2.1	1.6	79.2	100.0	33.0	1.9	9.4	26.8	5.6	20.1	2.4	.1	.6	100.0	44.3	32.5	23.2
CODE 1	14.4	3.3	1.3	81.0	100.0	48.2	1.1	14.5	17.3	3.2	14.5		.5	.7	100.0	63.9	20.5	15.7
CODE 2	12.8	3.1	1.0	83.1	100.0	44.3	2.7	12.7	17.7	2.7	17.0	1.3	.4	1.4	100.0	59.6	20.4	20.0
CODE 3	20.1	2.0	.9	77.0	100.0	44.3	2.5	12.1	18.8	3.1	16.9		1.8	.6	100.0	59.0	21.8	19.2
CODE 4	14.5	1.8	.9	82.8	100.0	38.4	2.5	10.9	24.1	4.2	18.3	.3	.2	1.0	100.0	51.8	28.3	19.9
CODE 5																		
CODE 6	28.6	14.3		57.1	100.0	50.0		25.0			25.0				100.0	75.0		25.0
CODE 7	7.0	11.6		81.4	100.0	42.9		14.3	22.9		20.0				100.0	57.1	22.9	20.0
CODE 8	17.7	4.2		78.1	100.0	38.7	1.3	13.3	29.3	9.3	8.0				100.0	53.3	38.7	8.0
CODE 9	1.1	6.5		92.5	100.0	34.9	22.1	37.2			3.5		1.2	1.2	100.0	94.2		5.8
CODE -	2.7	5.3		92.0	100.0	44.9	1.4	46.4	1.4		2.9			2.9	100.0	92.8	1.4	5.8
TOTAL	16.5	2.2	1.4	79.8	100.0	35.7	2.2	10.6	24.8	5.0	19.0	1.8	.3	.7	100.0	48.5	29.7	21.8

**CONTINUED**

**3 OF 5**

SUPERIOR COURT DISPOSITIONS  
 VS.  
 AGE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

AGE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										9	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	TOTAL		2, 4,5	3, 8,9	6,7	3, 6-9
UNDER 18	4	1					9	6	1		21		1	15	16
18 - 19	99	72	1	4	18	1	1074	228	32	8	1537	20	44	1302	1346
20 - 24	150	186	2	13	21	7	2108	519	122	26	3154	30	161	2627	2788
25 - 29	66	79	2	5	20	4	983	291	63	9	1522	26	77	1274	1351
30 - 34	27	46	1	4	4	5	477	136	43	2	745	10	49	613	662
35 - 39	8	26		1	11	2	402	113	29	2	594	13	32	515	547
40 - 49	22	53		1	10	2	493	114	33	4	732	12	38	607	645
50 - 59	14	12		2	4	1	191	37	7	3	271	5	12	228	240
60 AND OVER	3	6		1	1		71	22	2	1	107	1	4	93	97
TOTAL	393	481	6	31	89	22	5808	1466	332	55	8683	117	418	7274	7692



SUPERIOR COURT DISPOSITIONS

VS.

AGE OF OFFENDER

SUM OF EVERY COUNTY

RESTRICTIONS: NONE

OVERALL PERCENTAGES

PAGE 2

AGE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										9 TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4, 5		3, 8, 9	6, 7	3, 6-9	
UNDER 18	.0	.0					.1	.1	.0		.2		.0	.2	.2
18 - 19	1.1	.8	.0	.0	.2	.0	12.4	2.6	.4	.1	17.7	.2	.5	15.0	15.5
20 - 24	1.7	2.1	.0	.1	.2	.1	24.3	6.0	1.4	.3	36.3	.3	1.9	30.3	32.1
25 - 29	.8	.9	.0	.1	.2	.0	11.3	3.4	.7	.1	17.5	.3	.9	14.7	15.6
30 - 34	.3	.5	.0	.0	.0	.1	5.5	1.6	.5	.0	8.6	.1	.6	7.1	7.6
35 - 39	.1	.3		.0	.1	.0	4.6	1.3	.3	.0	6.8	.1	.4	5.9	6.3
40 - 49	.3	.6		.0	.1	.0	5.7	1.3	.4	.0	8.4	.1	.4	7.0	7.4
50 - 59	.2	.1		.0	.0	.0	2.2	.4	.1	.0	3.1	.1	.1	2.6	2.8
60 AND OVER	.0	.1		.0	.0		.8	.3	.0	.0	1.2	.0	.0	1.1	1.1
TOTAL	4.5	5.5	.1	.4	1.0	.3	66.9	16.9	3.8	.6	100.0	1.3	4.8	83.8	88.6

SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY

VERTICAL PERCENTAGES

VS.

RESTRICTIONS: NONE

AGE OF OFFENDER

AGE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4, 5			3, 8, 9	6, 7	3, 6-9	
UNDER 18	1.0	.2					.2	.4	.3		.2		.2	.2	.2	
18 - 19	25.2	15.0	16.7	12.9	20.2	4.5	18.5	15.6	9.6	14.5	17.7	17.1	10.5	17.9	17.5	
20 - 24	38.2	38.7	33.3	41.9	23.6	31.8	36.3	35.4	36.7	47.3	36.3	25.6	38.5	36.1	36.2	
25 - 29	16.8	16.4	33.3	16.1	22.5	18.2	16.9	19.8	19.0	16.4	17.5	22.2	18.4	17.5	17.6	
30 - 34	6.9	9.6	16.7	12.9	4.5	22.7	8.2	9.3	13.0	3.6	8.6	8.5	11.7	8.4	8.6	
35 - 39	2.0	5.4		3.2	12.4	9.1	6.9	7.7	8.7	3.6	6.8	11.1	7.7	7.1	7.1	
40 - 49	5.6	11.0		3.2	11.2	9.1	8.5	7.8	9.9	7.3	8.4	10.3	9.1	8.3	8.4	
50 - 59	3.6	2.5		6.5	4.5	4.5	3.3	2.5	2.1	5.5	3.1	4.3	2.9	3.1	3.1	
60 AND OVER	.8	1.2		3.2	1.1		1.2	1.5	.6	1.8	1.2	.9	1.0	1.3	1.3	
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

SUPERIOR COURT DISPOSITIONS

VS.

AGE OF OFFENDER

SUM OF EVERY COUNTY

RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PAGE 4

AGE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
UNDER 18	19.0	4.8					42.9	28.6	4.8			100.0		4.8	71.4	76.2
18 - 19	6.4	4.7	.1	.3	1.2	.1	69.9	14.8	2.1	.5	100.0	1.3	2.9	84.7	87.6	
20 - 24	4.8	5.9	.1	.4	.7	.2	66.8	16.5	3.9	.8	100.0	1.0	5.1	83.3	88.4	
25 - 29	4.3	5.2	.1	.3	1.3	.3	64.6	19.1	4.1	.6	100.0	1.7	5.1	83.7	88.8	
30 - 34	3.6	6.2	.1	.5	.5	.7	64.0	18.3	5.8	.3	100.0	1.3	6.6	82.3	88.2	
35 - 39	1.3	4.4		.2	1.9	.3	67.7	19.0	4.9	.3	100.0	2.2	5.4	86.7	92.1	
40 - 49	3.0	7.2		.1	1.4	.3	67.3	15.6	4.5	.5	100.0	1.6	5.2	82.9	88.1	
50 - 59	5.2	4.4		.7	1.5	.4	70.5	13.7	2.6	1.1	100.0	1.8	4.4	84.1	88.6	
60 AND OVER	2.8	5.6		.9	.9		66.4	20.6	1.9	.9	100.0	.9	3.7	86.9	90.7	
TOTAL	4.5	5.5	.1	.4	1.0	.3	66.9	16.9	3.8	.6	100.0	1.3	4.8	83.8	88.6	

SUPERIOR COURT DISPOSITIONS  
 VS.  
 SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

SEX AND RACE OF OFFENDER	SUPERIOR COURT DISPOSITIONS									GROUPED CODES					
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
CODE 1	218	290	2	17	49	13	3423	920	173	27	5132	64	217	4343	4560
CODE 2	33	42		5	7	4	459	110	27	4	691	11	36	569	605
CODE 3	95	74	4	6	24	3	1125	287	98	11	1727	31	115	1412	1527
CODE 4	2	14			2		85	28	14	2	147	2	16	113	129
CODE 5	4	4			2		78	11	3		102	2	3	89	92
CODE 6	40	51		2	5	2	480	80	12	11	683	7	25	560	585
CODE 7		3					62	6	3		74		3	68	71
CODE 8	2	8		2			166	24	4	1	207		7	190	197
CODE 9							14	5			19			19	19
TOTAL	394	486	6	32	89	22	5892	1471	334	56	8782	117	422	7363	7785
*NOT KNOWN															
*NOT APPLICABLE	3	5					35	2	1		46		1	37	38
*GRAND TOTAL	397	491	6	32	89	22	5927	1473	335	56	8828	117	423	7400	7823

SUPERIOR COURT DISPOSITIONS  
VS.  
SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
RESTRICTIONS: NONE

OVERALL PERCENTAGES

PAGE 2

SEX AND RACE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	9		2, 4,5	3, 8,9	6,7	3, 6-9
CODE 1	2.5	3.3	.0	.2	.6	.1	39.0	10.5	2.0	.3	58.4	.7	2.5	49.2	51.7
CODE 2	.4	.5		.1	.1	.0	5.2	1.3	.3	.0	7.9	.1	.4	6.4	6.9
CODE 3	1.1	.8	.0	.1	.3	.0	12.8	3.3	1.1	.1	19.7	.4	1.3	16.0	17.3
CODE 4	.0	.2			.0		1.0	.3	.2	.0	1.7	.0	.2	1.3	1.5
CODE 5	.0	.0			.0		.9	.1	.0		1.2	.0	.0	1.0	1.0
CODE 6	.5	.6		.0	.1	.0	5.5	.9	.1	.1	7.8	.1	.3	6.3	6.6
CODE 7		.0					.7	.1	.0		.8		.0	.8	.8
CODE 8	.0	.1		.0			1.9	.3	.0	.0	2.4		.1	2.2	2.2
CODE 9							.2	.1			.2			.2	.2
TOTAL	4.5	5.5	.1	.4	1.0	.3	67.1	16.8	3.8	.6	100.0	1.3	4.8	83.4	88.2
*NOT KNOWN															
*NOT APPLICABLE	.0	.1					.4	.0	.0		.5		.0	.4	.4
*GRAND TOTAL	4.5	5.6	.1	.4	1.0	.2	67.1	16.7	3.8	.6	100.0	1.3	4.8	83.8	88.6

SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY  
RESTRICTIONS: NONE

VERTICAL PERCENTAGES

VS.

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										GROUPED CODES				
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
CODE 1	55.3	59.7	33.3	53.1	55.1	59.1	58.1	62.5	51.8	48.2	58.4	54.7	51.4	59.0	58.6
CODE 2	8.4	8.6		15.6	7.9	18.2	7.8	7.5	8.1	7.1	7.9	9.4	8.5	7.7	7.8
CODE 3	24.1	15.2	66.7	18.8	27.0	13.6	19.1	19.5	29.3	19.6	19.7	26.5	27.3	19.2	19.6
CODE 4	.5	2.9			2.2		1.4	1.9	4.2	3.6	1.7	1.7	3.8	1.5	1.7
CODE 5	1.0	.8			2.2		1.3	.7	.9		1.2	1.7	.7	1.2	1.2
CODE 6	10.2	10.5		6.3	5.6	9.1	8.1	5.4	3.6	19.6	7.8	6.0	5.9	7.6	7.5
CODE 7		.6					1.1	.4	.9		.8		.7	.9	.9
CODE 8	.5	1.6		6.3			2.8	1.6	1.2	1.8	2.4		1.7	2.6	2.5
CODE 9							.2	.3			.2			.3	.2
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
*NOT KNOWN															
*NOT APPLICABLE	.8	1.0					.6	.1	.3		.5		.2	.5	.5
*GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SUPERIOR COURT DISPOSITIONS  
 VS.  
 SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PAGE 4

SEX AND RACE OF OFFENDER	SUPERIOR COURT DISPOSITIONS										GROUPED CODES				
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
CODE 1	4.2	5.7	.0	.3	1.0	.3	66.7	17.9	3.4	.5	100.0	1.2	4.2	84.6	88.9
CODE 2	4.8	6.1		.7	1.0	.6	66.4	15.9	3.9	.6	100.0	1.6	5.2	82.3	87.6
CODE 3	5.5	4.3	.2	.3	1.4	.2	65.1	16.6	5.7	.6	100.0	1.8	6.7	81.8	88.4
CODE 4	1.4	9.5			1.4		57.8	19.0	9.5	1.4	100.0	1.4	10.9	76.9	87.8
CODE 5	3.9	3.9			2.0		76.5	10.8	2.9		100.0	2.0	2.9	87.3	90.2
CODE 6	5.9	7.5		.3	.7	.3	70.3	11.7	1.8	1.6	100.0	1.0	3.7	82.0	85.7
CODE 7		4.1					83.8	8.1	4.1		100.0		4.1	91.9	95.9
CODE 8	1.0	3.9		1.0			80.2	11.6	1.9	.5	100.0		3.4	91.8	95.2
CODE 9							73.7	26.3			100.0			100.0	100.0
TOTAL	4.5	5.5	.1	.4	1.0	.3	67.1	16.8	3.8	.6	100.0	1.3	4.8	83.8	88.6
*NOT KNOWN															
*NOT APPLICABLE	6.5	10.9					76.1	4.3	2.2		100.0		2.2	80.4	82.6
*GRAND TOTAL	4.5	5.6	.1	.4	1.0	.2	67.1	16.7	3.8	.6	100.0	1.3	4.8	83.8	88.6

SUPERIOR COURT DISPOSITIONS  
 VS.  
 PRIOR CRIMINAL RECORD

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

7

PRIOR RECORD CODE	SUPERIOR COURT DISPOSITIONS										GROUPED CODES				
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
CODE 0	36	42		3	13	1	531	112	26	5	769	14	34	643	677
CODE 1	55	67		9	7		921	196	41	5	1301	7	55	1117	1172
CODE 2	13	14		1	4		240	55	11	2	340	4	14	295	309
CODE 3	2	4			1		63	19	5		94	1	5	82	87
CODE 4	102	120	1	6	22	9	1331	377	79	15	2062	32	100	1708	1808
CODE 5	25	21	1		4	1	376	116	23	4	571	6	27	492	519
CODE 6	18	25	1	4	6	2	250	84	32	4	426	9	40	334	374
CODE 7	21	15	1	1	2		247	98	27	2	414	3	30	345	375
CODE 8	14	23	1		5	1	203	88	30	1	366	7	31	291	322
CODE 9	10	16		2	1	1	178	51	22	5	286	2	29	229	258
TOTAL	296	347	5	26	65	15	4340	1196	296	43	6629	85	365	5536	5901
*CODE -	79	118	1	6	20	6	1482	264	38	13	2027	27	57	1746	1803
*GRAND TOTAL	375	465	6	32	85	21	5822	1460	334	56	8656	112	422	7282	7704
*CODE GROUP 1 - 3	70	85		10	12		1224	270	57	7	1735	12	74	1494	1568
*CODE GROUP 4 - 6	145	166	3	10	32	12	1957	577	134	23	3059	47	167	2534	2701
*CODE GROUP 7 - 9	45	54	2	3	4	2	628	237	79	8	1066	12	90	865	955



SUPERIOR COURT DISPOSITIONS

VS.

PRIOR CRIMINAL RECORD

SUM OF EVERY COUNTY

RESTRICTIONS: NONE

OVERALL PERCENTAGES

PAGE 2

PRIOR RECORD CODE	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
CODE 0	.5	.6		.0	.2	.0	8.0	1.7	.4	.1	11.6	.2	.4	7.4	7.8	
CODE 1	.8	1.0		.1	.1		13.9	3.0	.6	.1	19.6	.1	.6	12.9	13.5	
CODE 2	.2	.2		.0	.1		3.6	.8	.2	.0	5.1	.0	.2	3.4	3.6	
CODE 3	.0	.1			.0		1.0	.3	.1		1.4	.0	.1	.9	1.0	
CODE 4	1.5	1.8	.0	.1	.3	.1	20.1	5.7	1.2	.2	31.1	.4	1.2	19.7	20.9	
CODE 5	.4	.3	.0		.1	.0	5.7	1.7	.3	.1	8.6	.1	.3	5.7	6.0	
CODE 6	.3	.4	.0	.1	.1	.0	3.8	1.3	.5	.1	6.4	.1	.5	3.9	4.3	
CODE 7	.3	.2	.0	.0	.0		3.7	1.5	.4	.0	6.2	.0	.3	4.0	4.3	
CODE 8	.2	.3	.0		.1	.0	3.1	1.3	.5	.0	5.5	.1	.4	3.4	3.7	
CODE 9	.2	.2		.0	.0	.0	2.7	.8	.3	.1	4.3	.0	.3	2.6	3.0	
TOTAL	4.5	5.2	.1	.4	1.0	.2	65.5	18.0	4.5	.6	100.0	1.0	4.2	64.0	68.2	
*CODE -	.9	1.4	.0	.1	.2	.1	17.1	3.0	.4	.2	23.4	.3	.7	20.2	20.8	
*GRAND TOTAL	4.3	5.4	.1	.4	1.0	.2	67.3	16.9	3.9	.6	100.0	1.3	4.9	84.1	89.0	
*CODE GROUP 1 - 3	.8	1.0		.1	.1		14.1	3.1	.7	.1	20.0	.1	.9	17.3	18.1	
*CODE GROUP 4 - 6	1.7	1.9	.0	.1	.4	.1	22.6	6.7	1.5	.3	35.3	.5	1.9	29.3	31.2	
*CODE GROUP 7 - 9	.5	.6	.0	.0	.1	.0	7.3	2.7	.9	.1	12.3	.1	1.0	10.0	11.0	

SUPERIOR COURT DISPOSITIONS  
 VS.  
 PRIOR CRIMINAL RECORD

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

VERTICAL PERCENTAGES

PRIOR RECORD CODE	SUPERIOR COURT DISPOSITIONS										TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	9		2, 4,5	3, 8,9	6,7	3, 6-9
CODE 0	12.2	12.1		11.5	20.0	6.7	12.2	9.4	8.8	11.6	11.6	16.5	9.3	11.6	11.5
CODE 1	18.6	19.3		34.6	10.8		21.2	16.4	13.9	11.6	19.6	8.2	15.1	20.2	19.9
CODE 2	4.4	4.0		3.8	6.2		5.5	4.6	3.7	4.7	5.1	4.7	3.8	5.3	5.2
CODE 3	.7	1.2			1.5		1.5	1.6	1.7		1.4	1.2	1.4	1.5	1.5
CODE 4	34.5	34.6	20.0	23.1	33.8	60.0	30.7	31.5	26.7	34.9	31.1	37.6	27.4	30.9	30.6
CODE 5	8.4	6.1	20.0		6.2	6.7	8.7	9.7	7.8	9.3	8.6	7.1	7.4	8.9	8.8
CODE 6	6.1	7.2	20.0	15.4	9.2	13.3	5.8	7.0	10.8	9.3	6.4	10.6	11.0	6.0	6.3
CODE 7	7.1	4.3	20.0	3.8	3.1		5.7	8.2	9.1	4.7	6.2	3.5	8.2	6.2	6.4
CODE 8	4.7	6.6	20.0		7.7	6.7	4.7	7.4	10.1	2.3	5.5	8.2	8.5	5.3	5.5
CODE 9	3.4	4.6		7.7	1.5	6.7	4.1	4.3	7.4	11.6	4.3	2.4	7.9	4.1	4.4
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
*CODE -	21.1	25.4	16.7	18.8	23.5	28.6	25.5	18.1	11.4	23.2	23.4	24.1	13.5	24.0	23.4
*GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
*CODE GROUP 1 - 3	18.7	18.3		31.3	14.1		21.0	18.5	17.1	12.5	20.0	10.7	17.5	20.5	20.4
*CODE GROUP 4 - 6	38.7	35.7	50.0	31.3	37.6	57.1	33.6	39.5	40.1	41.1	35.3	42.0	39.6	34.8	35.1
*CODE GROUP 7 - 9	12.0	11.6	33.3	9.4	9.4	9.5	10.8	16.2	23.7	14.3	12.3	10.7	21.3	11.9	12.4

SUPERIOR COURT DISPOSITIONS  
 VS.  
 PRIOR CRIMINAL RECORD

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PAGE 4

PRIOR RECORD CODE	SUPERIOR COURT DISPOSITIONS										GROUPED CODES				
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
CODE 0	4.7	5.5		.4	1.7	.1	69.1	14.6	3.4	.7	100.0	1.8	4.4	83.6	88.0
CODE 1	4.2	5.1		.7	.5		70.8	15.1	3.2	.4	100.0	.5	4.2	85.9	90.1
CODE 2	3.8	4.1		.3	1.2		70.6	16.2	3.2	.6	100.0	1.2	4.1	86.8	90.9
CODE 3	2.1	4.3			1.1		67.0	20.2	5.3		100.0	1.1	5.3	87.2	92.6
CODE 4	4.9	5.8	.0	.3	1.1	.4	64.5	18.3	3.8	.7	100.0	1.6	4.8	82.8	87.7
CODE 5	4.4	3.7	.2		.7	.2	65.8	20.3	4.0	.7	100.0	1.1	4.7	86.2	90.9
CODE 6	4.2	5.9	.2	.9	1.4	.5	58.7	19.7	7.5	.9	100.0	2.1	9.4	78.4	87.8
CODE 7	5.1	3.6	.2	.2	.5		59.7	23.7	6.5	.5	100.0	.7	7.2	83.3	90.6
CODE 8	3.8	6.3	.3		1.4	.3	55.5	24.0	8.2	.3	100.0	1.9	8.5	79.5	88.0
CODE 9	3.5	5.6		.7	.3	.3	62.2	17.8	7.7	1.7	100.0	.7	10.1	80.1	90.2
TOTAL	4.5	5.2	.1	.4	1.0	.2	65.5	18.0	4.5	.6	100.0	1.3	5.5	83.5	89.0
*CODE -	3.9	5.8	.0	.3	1.0	.3	73.1	13.0	1.9	.6	100.0	1.3	2.8	86.1	88.9
*GRAND TOTAL	4.3	5.4	.1	.4	1.0	.2	67.3	16.9	3.9	.6	100.0	1.3	4.9	84.1	89.0
*CODE GROUP 1 - 3	4.0	4.9		.6	.7		70.5	15.6	3.3	.4	100.0	.7	4.3	86.1	90.4
*CODE GROUP 4 - 6	4.7	5.4	.1	.3	1.0	.4	64.0	18.9	4.4	.8	100.0	1.5	5.5	82.8	88.3
*CODE GROUP 7 - 9	4.2	5.1	.2	.3	.8	.2	58.9	22.2	7.4	.8	100.0	1.1	8.4	81.1	89.6

SUPERIOR COURT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

NUMBER OF CASES

PAGE 1

EXISTING CRIMINAL STATUS	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
CODE 0	241	336	3	24	61	13	4139	934	189	35	5975	77	248	5073	5321	
CODE 1	13	18	1	3	4	2	209	80	29	6	365	7	38	289	327	
CODE 2	30	22		1	3	1	255	92	30	4	438	4	35	347	382	
CODE 3	31	35	2	1	6	1	411	133	27	6	653	9	34	544	578	
CODE 4	50	42		1	9	4	653	176	44	3	982	13	48	829	877	
CODE 5																
CODE 6							2	1			3		3	3		
CODE 7	3			1			15	6	2		27		3	21	24	
CODE 8				1			50	14	2		67		3	64	67	
CODE 9	3	11			2		40	13	10	1	80	2	11	53	64	
CODE -	4	1					48	11	1	1	66		2	59	61	
TOTAL	375	465	6	32	85	21	5822	1460	334	56	8656	112	422	7282	7704	

SUPERIOR COURT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

OVERALL PERCENTAGES

PAGE 2

EXISTING CRIMINAL STATUS	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
CODE 0	2.8	3.9	.0	.3	.7	.2	47.8	10.8	2.2	.4	69.0	.9	2.9	58.6	61.5	
CODE 1	.2	.2	.0	.0	.0	.0	2.4	.9	.3	.1	4.2	.1	.4	3.3	3.8	
CODE 2	.3	.3		.0	.0	.0	2.9	1.1	.3	.0	5.1	.0	.4	4.0	4.4	
CODE 3	.4	.4	.0	.0	.1	.0	4.7	1.5	.3	.1	7.5	.1	.4	6.3	6.7	
CODE 4	.6	.5		.0	.1	.0	7.5	2.0	.5	.0	11.3	.2	.6	9.6	10.1	
CODE 5																
CODE 6							.0	.0			.0			.0	.0	
CODE 7	.0			.0			.2	.1	.0		.3		.0	.2	.3	
CODE 8				.0			.6	.2	.0		.8		.0	.7	.8	
CODE 9	.0	.1			.0		.5	.2	.1	.0	.9	.0	.1	.6	.7	
CODE -	.0	.0					.6	.1	.0	.0	.8		.0	.7	.7	
TOTAL	4.3	5.4	.1	.4	1.0	.2	67.3	16.9	3.9	.6	100.0	1.3	4.9	84.1	89.0	

SUPERIOR COURT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

VERTICAL PERCENTAGES

EXISTING CRIMINAL STATUS	SUPERIOR COURT DISPOSITIONS											GROUPED CODES			
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4, 5	3, 8, 9	6, 7	3, 6-9
CODE 0	64.3	72.3	50.0	75.0	71.8	61.9	71.1	64.0	56.6	62.5	69.0	68.8	58.8	69.7	69.1
CODE 1	3.5	3.9	16.7	9.4	4.7	9.5	3.6	5.5	8.7	10.7	4.2	6.3	9.0	4.0	4.2
CODE 2	8.0	4.7		3.1	3.5	4.8	4.4	6.3	9.0	7.1	5.1	3.6	8.3	4.8	5.0
CODE 3	8.3	7.5	33.3	3.1	7.1	4.8	7.1	9.1	8.1	10.7	7.5	8.0	8.1	7.5	7.5
CODE 4	13.3	9.0		3.1	10.6	19.0	11.2	12.1	13.2	5.4	11.3	11.6	11.4	11.4	11.4
CODE 5															
CODE 6							.0	.1			.0			.0	.0
CODE 7	.8			3.1			.3	.4	.6		.3		.7	.3	.3
CODE 8				3.1			.9	1.0	.6		.8		.7	.9	.9
CODE 9	.8	2.4			2.4		.7	.9	3.0	1.8	.9	1.8	2.6	.7	.8
CODE -	1.1	.2					.8	.8	.3	1.8	.8		.5	.8	.8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SUPERIOR COURT DISPOSITIONS  
 VS.  
 EXISTING CRIMINAL STATUS

SUM OF EVERY COUNTY  
 RESTRICTIONS: NONE

HORIZONTAL PERCENTAGES

PAGE 4

EXISTING CRIMINAL STATUS	SUPERIOR COURT DISPOSITIONS										9 TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4, 5		3, 8, 9	6, 7	3, 6-9	
CODE 0	4.0	5.6	.1	.4	1.0	.2	69.3	15.6	3.2	.6	100.0	1.3	4.2	84.9	89.1
CODE 1	3.6	4.9	.3	.8	1.1	.5	57.3	21.9	7.9	1.6	100.0	1.9	10.4	79.2	89.6
CODE 2	6.8	5.0		.2	.7	.2	58.2	21.0	6.8	.9	100.0	.9	8.0	79.2	87.2
CODE 3	4.7	5.4	.3	.2	.9	.2	62.9	20.4	4.1	.9	100.0	1.4	5.2	83.3	88.5
CODE 4	5.1	4.3		.1	.9	.4	66.5	17.9	4.5	.3	100.0	1.3	4.9	84.4	89.3
CODE 5															
CODE 6							66.7	33.3			100.0			100.0	100.0
CODE 7	11.1			3.7			55.6	22.2	7.4		100.0		11.1	77.8	88.9
CODE 8				1.5			74.6	20.9	3.0		100.0		4.5	95.5	100.0
CODE 9	3.8	13.8			2.5		50.0	16.3	12.5	1.3	100.0	2.5	13.8	66.3	80.0
CODE -	6.1	1.5					72.7	16.7	1.5	1.5	100.0		3.0	89.4	92.4
TOTAL	4.3	5.4	.1	.4	1.0	.2	67.3	16.9	3.9	.6	100.0	1.3	4.9	84.1	89.0

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SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY

NUMBER OF CASES

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
0.0 TO 1.0							67	3				70			70	70
1.1 TO 2.0	11	8		1	1		82	10	2	1	116	1	4	92	96	
2.1 TO 3.0	11	17	1	1	2		34	42	7	3	118	3	11	76	87	
3.1 TO 4.0	3	10		1	5		6	48	27	1	101	5	29	54	83	
4.1 TO 5.0	2	2		3			9	23	10	1	50		14	32	46	
5.1 TO 6.0	1				1		5	14	5		26	1	5	19	24	
6.1 TO 7.0		1					2	11	3		17		3	13	16	
7.1 TO 8.0	2				1		1	6	1		11	1	1	7	8	
8.1 TO 9.0		1					3				4			3	3	
9.1 TO 10.0	1							3	7		11		7	3	10	
10.1 TO 11.0									1		1		1		1	
11.1 TO 12.0																
MORE THAN 12.0		1									1					
TOTAL NUMBER	31	40	1	6	10		209	160	63	6	526	11	75	369	444	
AVERAGE TIME LAPSE	3.0	3.3	2.5	3.4	3.7	.0	1.8	3.9	4.7	2.9	3.0	3.6	4.4	2.7	3.0	
"MAXIMUM" TIME LAPSE	9.1	14.8	24.5	4.7	7.3	.0	8.8	9.5	10.5	4.2	14.8	7.3	10.5	9.5	10.5	

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SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY

OVERALL PERCENTAGES

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
0.0 TO 1.0							12.7	.6				13.3		13.3	13.3	
1.1 TO 2.0	2.1	1.5		.2	.2		15.6	1.9	.4	.2	22.1	.2	.8	17.5	18.3	
2.1 TO 3.0	2.1	3.2	.2	.2	.4		6.5	8.0	1.3	.6	22.4	.6	2.1	14.4	16.5	
3.1 TO 4.0	.6	1.9		.2	1.0		1.1	9.1	5.1	.2	19.2	1.0	5.5	10.3	15.8	
4.1 TO 5.0	.4	.4		.6			1.7	4.4	1.9	.2	9.5		2.7	6.1	8.7	
5.1 TO 6.0	.2				.2		1.0	2.7	1.0		4.9	.2	1.0	3.6	4.6	
6.1 TO 7.0		.2					.4	2.1	.6		3.2		.6	2.5	3.0	
7.1 TO 8.0	.4				.2		.2	1.1	.2		2.1	.2	.2	1.3	1.5	
8.1 TO 9.0		.2					.6				.8			.6	.6	
9.1 TO 10.0	.2							.6	1.3		2.1		1.3	.6	1.9	
10.1 TO 11.0									.2		.2		.2		.2	
11.1 TO 12.0																
MORE THAN 12.0		.2									.2					
TOTAL NUMBER	5.9	7.6	.2	1.1	1.9		39.7	30.4	12.0	1.1	100.0	2.1	14.3	70.2	84.4	

SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY

VERTICAL PERCENTAGES

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										9	TOTAL	GROUPED CODES			
	0	1	2	3	4	5	6	7	8	2, 4,5			3, 8,9	6,7	3, 6-9	
0.0 TU 1.0							32.1	1.9				13.3			19.0	15.8
1.1 TU 2.0	35.5	20.0		16.7	10.0		39.2	6.3	3.2	16.7	22.1	9.1	5.3	24.9	21.6	
2.1 TU 3.0	35.5	42.5	100.0	16.7	20.0		16.3	26.3	11.1	50.0	22.4	27.3	14.7	20.6	19.6	
3.1 TU 4.0	9.7	25.0		16.7	50.0		2.9	30.0	42.9	16.7	19.2	45.5	38.7	14.6	18.7	
4.1 TU 5.0	6.5	5.0		50.0			4.3	14.4	15.9	16.7	9.5		18.7	8.7	10.4	
5.1 TU 6.0	3.2				10.0		2.4	8.8	7.9		4.9	9.1	6.7	5.1	5.4	
6.1 TU 7.0		2.5					1.0	6.9	4.8		3.2		4.0	3.5	3.6	
7.1 TU 8.0	6.5				10.0		.5	3.8	1.6		2.1	9.1	1.3	1.9	1.8	
8.1 TU 9.0		2.5					1.4				.8			.8	.7	
9.1 TU 10.0	3.2							1.9	11.1		2.1		9.3	.8	2.3	
10.1 TU 11.0									1.6		.2		1.3		.2	
11.1 TU 12.0																
LONGER THAN 12.0		2.5									.2					
TOTAL NUMBER	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

SUPERIOR COURT DISPOSITIONS

SUM OF EVERY COUNTY

HORIZONTAL PERCENTAGES

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

ARREST TO DISPOSITION TIME LAPSE

ARREST TO DISPOSITION TIME LAPSE (MONTHS)	SUPERIOR COURT DISPOSITIONS										GROUPED CODES				
	0	1	2	3	4	5	6	7	8	9	TOTAL	2, 4,5	3, 8,9	6,7	3, 6-9
0.0 TO 1.0						95.7	4.3				100.0			100.0	100.0
1.1 TO 2.0	9.5	6.9		.9	.9	70.7	8.6	1.7	.9	100.0	.9	3.4	79.3	82.8	
2.1 TO 3.0	9.3	14.4	.8	.8	1.7	28.8	35.6	5.9	2.5	100.0	2.5	9.3	64.4	73.7	
3.1 TO 4.0	3.0	9.9		1.0	5.0	5.9	47.5	26.7	1.0	100.0	5.0	28.7	53.5	82.2	
4.1 TO 5.0	4.0	4.0		6.0		18.0	46.0	20.0	2.0	100.0		28.0	64.0	92.0	
5.1 TO 6.0	3.8			3.8		19.2	53.8	19.2		100.0	3.8	19.2	73.1	92.3	
6.1 TO 7.0		5.9				11.8	64.7	17.6		100.0		17.6	76.5	94.1	
7.1 TO 8.0	18.2			9.1		9.1	54.5	9.1		100.0	9.1	9.1	63.6	72.7	
8.1 TO 9.0		25.0				75.0				100.0			75.0	75.0	
9.1 TO 10.0	9.1						27.3	63.6		100.0		63.6	27.3	90.9	
10.1 TO 11.0							100.0			100.0		100.0		100.0	
11.1 TO 12.0															
MORE THAN 12.0		100.0								100.0					
TOTAL NUMBER	5.9	7.6	.2	1.1	1.9	39.7	30.4	12.0	1.1	100.0	2.1	14.3	70.2	84.4	

SENTENCE

SUM OF EVERY COUNTY

NUMBER OF CASES

PAGE 1

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
CODE 1		65	16	17	62	3	13		2		5	183	65	13	78	159	5
CODE 2		12	7	3	6		18				1	47	6	18	24	43	1
CODE 3		43	17	20	67	1	21					169	68	21	89	149	
CODE 4		2			9		5					16	9	5	14	16	
CODE 5				2	1						1	4	1		1	1	1
CODE 6		4		3	4		1				1	13	4	1	5	9	1
CODE 7					1	1						2	2		2	2	
CODE 8		1	1	3	4							9	4		4	6	
CODE 9					1							1	1		1	1	
TOTAL		127	41	48	155	5	58		2		8	444	160	58	218	386	8
*NOT KNOWN																	
*NOT APPLICABLE																	
*GRAND TOTAL		127	41	48	155	5	58		2		8	444	160	58	218	386	8

SENTENCE

SUM OF EVERY COUNTY

OVERALL PERCENTAGES

PAGE 2

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
CODE 1	14.6	3.6	3.8	14.0	.7	2.9		.5			1.1	41.2	14.6	2.9	17.6	35.8	1.1
CODE 2	2.7	1.6	.7	1.4		4.1					.2	10.6	1.4	4.1	5.4	9.7	.2
CODE 3	9.7	3.8	4.5	15.1	.2	4.7					38.1	15.3	4.7	20.0	33.6		
CODE 4	.5			2.0		1.1					3.6	2.0	1.1	3.2	3.6		
CODE 5			.5	.2							.2	.9	.2	.2	.2	.2	.2
CODE 6	.9		.7	.9		.2					.2	2.9	.9	.2	1.1	2.0	.2
CODE 7				.2	.2						.5	.5		.5	.5		
CODE 8	.2	.2	.7	.9							2.0	.9		.9	1.4		
CODE 9				.2							.2	.2		.2	.2		
TOTAL	28.6	9.2	10.8	34.9	1.1	13.1		.5			1.8	100.0	36.0	13.1	49.1	86.9	1.8
*NOT KNOWN																	
*NOT APPLICABLE																	
*GRAND TOTAL	28.6	9.2	10.8	34.9	1.1	13.1		.5			1.8	100.0	36.0	13.1	49.1	86.9	1.8

SENTENCE

SUM OF EVERY COUNTY

VERTICAL PERCENTAGES

PAGE 3

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
CODE 1	51.2	39.0	35.4	40.0	60.0	22.4		100.0			62.5	41.2	40.6	22.4	35.8	41.2	62.5
CODE 2		9.4	17.1	6.3	3.9		31.0				12.5	10.6	3.8	31.0	11.0	11.1	12.5
CODE 3		33.9	41.5	41.7	43.2	20.0	36.2				38.1	42.5	36.2	40.8	38.6		
CODE 4		1.6			5.8		8.6				3.6	5.6	8.6	6.4	4.1		
CODE 5				4.2	.6						12.5	.9	.6	.5	.3	12.5	
CODE 6		3.1		6.3	2.6		1.7				12.5	2.9	2.5	1.7	2.3	2.3	12.5
CODE 7					.6	20.0					.5	1.3		.9	.5		
CODE 8		.8	2.4	6.3	2.6						2.0	2.5		1.8	1.6		
CODE 9					.6						.2	.6		.5	.3		
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NOT KNOWN																	
NOT APPLICABLE																	
GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SENTENCE

SUM OF EVERY COUNTY

HORIZONTAL PERCENTAGES

PAGE 4

VS.

RESTRICTIONS: BOOKING OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE									GROUPED CODES								
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-		
CODE 1	35.5	8.7	9.3	33.9	1.6	7.1			1.1		2.7	100.0	35.5	7.1	42.6	86.9	2.7	
CODE 2	25.5	14.9	6.4	12.8			38.3				2.1	100.0	12.8	38.3	51.1	91.5	2.1	
CODE 3	25.4	10.1	11.8	39.6	.6	12.4					100.0	40.2	12.4	52.7	88.2			
CODE 4	12.5			56.3			31.3				100.0	56.3	31.3	87.5	100.0			
CODE 5			50.0	25.0							25.0	100.0	25.0		25.0	25.0	25.0	
CODE 6	30.8		23.1	30.8			7.7				7.7	100.0	30.8	7.7	38.5	69.2	7.7	
CODE 7				50.0	50.0						100.0	100.0		100.0	100.0			
CODE 8	11.1	11.1	33.3	44.4							100.0	44.4		44.4	66.7			
CODE 9				100.0							100.0	100.0		100.0	100.0			
TOTAL	28.6	9.2	10.8	34.9	1.1	13.1			.5		1.8	100.0	36.0	13.1	49.1	86.9	1.8	
*NOT KNOWN																		
*NOT APPLICABLE																		
*GRAND TOTAL	28.6	9.2	10.8	34.9	1.1	13.1			.5		1.8	100.0	36.0	13.1	49.1	86.9	1.8	

SENTENCE

VS.

SFX AND RACE OF OFFENDER

SUM OF EVERY COUNTY

RESTRICTIONS: ORIGINAL OFFENSE BETWEEN 200 AND 240

NUMBER OF CASES

PAGE 1

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
CODE 1		70	17	16	55	3	11		2		5	179	58	11	69	156	5
CODE 2		11	7	2	7		15				1	43	7	15	22	40	1
CODE 3		47	17	16	58	1	16					155	59	16	75	139	
CODE 4		2			7		4					13	7	4	11	13	
CODE 5				2	1						1	4	1		1	1	1
CODE 6		4		2	3		1				1	11	3	1	4	8	1
CODE 7					1	1						2	2		2	2	
CODE 8		1	1	1	5							8	5		5	7	
CODE 9					1							1	1		1	1	
TOTAL		135	42	39	138	5	47		2		8	416	143	47	190	367	8
*NOT KNOWN																	
*NOT APPLICABLE																	
*GRAND TOTAL		135	42	39	138	5	47		2		8	416	143	47	190	367	8



SENTENCE

SUM OF EVERY COUNTY

OVERALL PERCENTAGES

PAGE 2

VS.

RESTRICTIONS: ORIGINAL OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE									GROUPED CODES							
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,--	
CODE 1		16.8	4.1	3.8	13.2	.7	2.6		.5		1.2	43.0	13.9	2.6	16.6	37.5	1.2
CODE 2		2.6	1.7	.5	1.7		3.6				.2	10.3	1.7	3.6	5.3	9.6	.2
CODE 3		11.3	4.1	3.8	13.9	.2	3.8					37.3	14.2	3.8	18.0	33.4	
CODE 4		.5			1.7		1.0					3.1	1.7	1.0	2.6	3.1	
CODE 5				.5	.2						.2	1.0	.2		.2	.2	.2
CODE 6		1.0		.5	.7		.2				.2	2.6	.7	.2	1.0	1.9	.2
CODE 7					.2	.2						.5	.5		.5	.5	
CODE 8		.2	.2	.2	1.2							1.9	1.2		1.2	1.7	
CODE 9					.2							.2	.2		.2	.2	
TOTAL		32.5	10.1	9.4	33.2	1.2	11.3		.5		1.9	100.0	34.4	11.3	45.7	88.2	1.9
*NOT KNOWN																	
*NOT APPLICABLE																	
*GRAND TOTAL		32.5	10.1	9.4	33.2	1.2	11.3		.5		1.9	100.0	34.4	11.3	45.7	88.2	1.9

SENTENCE

SUM OF EVERY COUNTY

VERTICAL PERCENTAGES

PAGE 3

VS.

RESTRICTIONS: ORIGINAL OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
CODE 1	51.9	40.5	41.0	39.9	60.0	23.4		100.0			62.5	43.0	40.6	23.4	36.3	42.5	62.5
CODE 2	8.1	16.7	5.1	5.1			31.9				12.5	10.3	4.9	31.9	11.6	10.9	12.5
CODE 3	34.8	40.5	41.0	42.0	20.0	34.0					37.3	41.3	34.0	39.5	37.9		
CODE 4	1.5				5.1		8.5				3.1	4.9	8.5	5.8	3.5		
CODE 5				5.1	.7						12.5	1.0	.7		.5	.3	12.5
CODE 6	3.0			5.1	2.2		2.1				12.5	2.6	2.1	2.1	2.1	2.2	12.5
CODE 7					.7	20.0					.5	1.4		1.1	.5		
CODE 8	.7	2.4	2.6	3.6							1.9	3.5		2.6	1.9		
CODE 9					.7						.2	.7		.5	.3		
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
*NOT KNOWN																	
*NOT APPLICABLE																	
*GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

SENTENCE

SUM OF EVERY COUNTY

HORIZONTAL PERCENTAGES

PAGE 4

VS.

RESTRICTIONS: ORIGINAL OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-	
CODE 1		39.1	9.5	8.9	30.7	1.7	6.1		1.1		2.8	100.0	32.4	6.1	38.5	87.2	2.8
CODE 2		25.6	16.3	4.7	16.3		34.9				2.3	100.0	16.3	34.9	51.2	93.0	2.3
CODE 3		30.3	11.0	10.3	37.4	.6	10.3				100.0	38.1	10.3	48.4	89.7		
CODE 4		15.4			53.8		30.8				100.0	53.8	30.8	84.6	100.0		
CODE 5				50.0	25.0						25.0	100.0	25.0		25.0	25.0	25.0
CODE 6		36.4		18.2	27.3		9.1				9.1	100.0	27.3	9.1	36.4	72.7	9.1
CODE 7					50.0	50.0					100.0	100.0		100.0	100.0		
CODE 8		12.5	12.5	12.5	62.5						100.0	62.5		62.5	87.5		
CODE 9					100.0						100.0	100.0		100.0	100.0		
TOTAL		32.5	10.1	9.4	33.2	1.2	11.3		.5		1.9	100.0	34.4	11.3	45.7	88.2	1.9
*NOT KNOWN																	
*NOT APPLICABLE																	
*GRAND TOTAL		32.5	10.1	9.4	33.2	1.2	11.3		.5		1.9	100.0	34.4	11.3	45.7	88.2	1.9

SENTENCE

SUM OF EVERY COUNTY

NUMBER OF CASES

PAGE 1

VS.

RESTRICTIONS: CONVICTED OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES					
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-
CODE 1		69	16	5	34						3 127	34		34	119	3
CODE 2		12	6		1						1 20	1		1	19	1
CODE 3		43	14	3	31						91	31		31	88	
CODE 4		2			4						6	4		4	6	
CODE 5		1			1						1 3	1		1	2	1
CODE 6		4		1	3						8	3		3	7	
CODE 7					1						1	1		1	1	
CODE 8		1			2						3	2		2	3	
CODE 9					1						1	1		1	1	
TOTAL		132	36	9	78						5 260	78		78	246	5
*NOT KNOWN																
*NOT APPLICABLE																
*GRAND TOTAL		132	36	9	78						5 260	78		78	246	5

SENTENCE

SUM OF EVERY COUNTY

HORIZONTAL PERCENTAGES

PAGE 4

VS.

RESTRICTIONS: ORIGINAL OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE									GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-
CODE 1	39.1	9.5	8.9	30.7	1.7	6.1		1.1			2.8 100.0	32.4	6.1	38.5	87.2	2.8
CODE 2	25.6	16.3	4.7	16.3		34.9					2.3 100.0	16.3	34.9	51.2	93.0	2.3
CODE 3	30.3	11.0	10.3	37.4	.6	10.3					100.0	38.1	10.3	48.4	89.7	
CODE 4	15.4			53.8		30.8					100.0	53.8	30.8	84.6	100.0	
CODE 5			50.0	25.0							25.0 100.0	25.0		25.0	25.0	25.0
CODE 6	36.4		18.2	27.3		9.1					9.1 100.0	27.3	9.1	36.4	72.7	9.1
CODE 7				50.0	50.0						100.0 100.0			100.0	100.0	
CODE 8	12.5	12.5	12.5	62.5							100.0	62.5		62.5	87.5	
CODE 9				100.0							100.0 100.0			100.0	100.0	
TOTAL	32.5	10.1	9.4	33.2	1.2	11.3		.5			1.9 100.0	34.4	11.3	45.7	88.2	1.9
*NOT KNOWN																
*NOT APPLICABLE																
*GRAND TOTAL	32.5	10.1	9.4	33.2	1.2	11.3		.5			1.9 100.0	34.4	11.3	45.7	88.2	1.9

SENTENCE

VS.

SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY

NUMBER OF CASES

PAGE 1

RESTRICTIONS: CONVICTED OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES					
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-
CODE 1		69	16	5	34						3 127	34		34	119	3
CODE 2		12	6		1						1 20	1		1	19	1
CODE 3		43	14	3	31						91	31		31	88	
CODE 4		2			4						6	4		4	6	
CODE 5		1			1						1 3	1		1	2	1
CODE 6		4		1	3						8	3		3	7	
CODE 7					1						1	1		1	1	
CODE 8		1			2						3	2		2	3	
CODE 9					1						1	1		1	1	
TOTAL		132	36	9	78						5 260	78		78	246	5
*NOT KNOWN																
*NOT APPLICABLE																
*GRAND TOTAL		132	36	9	78						5 260	78		78	246	5

SENTENCE

SUM OF EVERY COUNTY

OVERALL PERCENTAGES

PAGE 2

VS.

RESTRICTIONS: CONVICTED OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE									GROUPED CODES						
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-
CODE 1	26.5	6.2	1.9	13.1							1.2	48.8	13.1	13.1	45.8	1.2
CODE 2	4.6	2.3		.4							.4	7.7	.4	.4	7.3	.4
CODE 3	16.5	5.4	1.2	11.9							35.0	11.9	11.9	33.8		
CODE 4	.8			1.5							2.3	1.5	1.5	2.3		
CODE 5	.4			.4							.4	1.2	.4	.4	.8	.4
CODE 6	1.5		.4	1.2							3.1	1.2	1.2	2.7		
CODE 7				.4							.4	.4	.4	.4		
CODE 8	.4			.8							1.2	.8	.8	1.2		
CODE 9				.4							.4	.4	.4	.4		
TOTAL	50.8	13.8	3.5	30.0							1.9	100.0	30.0	30.0	94.6	1.9
*NOT KNOWN																
*NOT APPLICABLE																
*GRAND TOTAL	50.8	13.8	3.5	30.0							1.9	100.0	30.0	30.0	94.6	1.9

SENTENCE  
VS.  
SEX AND RACE OF OFFENDER

SUM OF EVERY COUNTY VERTICAL PERCENTAGES  
RESTRICTIONS: CONVICTED OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES					
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-
CODE 1		52.3	44.4	55.6	43.6						60.0	48.8	43.6	43.6	48.4	60.0
CODE 2		9.1	16.7		1.3						20.0	7.7	1.3	1.3	7.7	20.0
CODE 3		32.6	38.9	33.3	39.7						35.0	39.7		39.7	35.8	
CODE 4		1.5			5.1						2.3	5.1		5.1	2.4	
CODE 5		.8			1.3						20.0	1.2	1.3	1.3	.8	20.0
CODE 6		3.0		11.1	3.8						3.1	3.8		3.8	2.8	
CODE 7					1.3						.4	1.3		1.3	.4	
CODE 8		.8			2.6						1.2	2.6		2.6	1.2	
CODE 9					1.3						.4	1.3		1.3	.4	
TOTAL		100.0	100.0	100.0	100.0						100.0	100.0	100.0	100.0	100.0	100.0
*NOT KNOWN																
*NOT APPLICABLE																
*GRAND TOTAL		100.0	100.0	100.0	100.0						100.0	100.0	100.0	100.0	100.0	100.0



SENTENCE

SUM OF EVERY COUNTY

HORIZONTAL PERCENTAGES

PAGE 4

VS.

RESTRICTIONS: CONVICTED OFFENSE BETWEEN 200 AND 240

SEX AND RACE OF OFFENDER

SEX AND RACE OF OFFENDER	SENTENCE										GROUPED CODES					
	0	1	2	3	4	5	6	7	8	9	- TOTAL	4,5	6,7	4-7	0-2, 4-7	9,-
CODE 1	54.3	12.6	3.9	26.8							2.4 100.0	26.8		26.8	93.7	2.4
CODE 2	60.0	30.0		5.0							5.0 100.0	5.0		5.0	95.0	5.0
CODE 3	47.3	15.4	3.3	34.1							100.0	34.1		34.1	96.7	
CODE 4	33.3			66.7							100.0	66.7		66.7	100.0	
CODE 5	33.3			33.3							33.3 100.0	33.3		33.3	66.7	33.3
CODE 6	50.0		12.5	37.5							100.0	37.5		37.5	87.5	
CODE 7				100.0							100.0	100.0		100.0	100.0	
CODE 8	33.3			66.7							100.0	66.7		66.7	100.0	
CODE 9				100.0							100.0	100.0		100.0	100.0	
TOTAL	50.8	13.8	3.5	30.0							1.9 100.0	30.0		30.0	94.6	1.9
*NOT KNOWN																
*NOT APPLICABLE																
*GRAND TOTAL	50.8	13.8	3.5	30.0							1.9 100.0	30.0		30.0	94.6	1.9

APPENDIX B

TABLE GENERATION PROGRAM: PROGRAM DOCUMENTATION

**CONTINUED**

**4 OF 5**

## PROGRAM FLOW DIAGRAMS

The Table Generation Program uses the magnetic tape file containing the arrest data to create a series of tabular reports specified by the user. The program for generating the tape file performs the data editing function. The Table Generation Program performs no data validity checks. The previous selections have given the details on the tabular data that can be presented and the method of controlling the program operations. This section will present a description of the internal operations of the program.

The overall program structure is illustrated in the Main-Line Logic Flow Diagram given in Figure B-2. The operations can be broken into three major phases: the Initialization Phase, the Computation Phase, and the Report Generation Phase.

The Initialization Phase is responsible for the interpretation of the control cards and for the subsequent indicator setting, program logic selection, report heading selection, and other housekeeping tasks invoked by each interpreted control card. The Computation Phase reads the data file and constructs the data matrix containing the count of the individuals required for the reports. The Report Generation Phase, using the indicators set by the Initialization Phase and the data matrix constructed by the Computation Phase, produces the set of tabular reports called for by the user. The required percentage table figures are calculated during this phase.

### a. Initialization Phase.

As mentioned above, the Initialization Phase is responsible for reading and interpreting the control cards supplied by the user. A block flow diagram, showing the operations performed by this section of the program, is given in Figure B-3. After reading the card, the program, in turn, verifies that the horizontal and vertical axis specification numbers are proper and converts them to the form used during the remainder of the program. The county tables to be generated are specified and the applicable restriction tests to be applied to the data are noted. As the

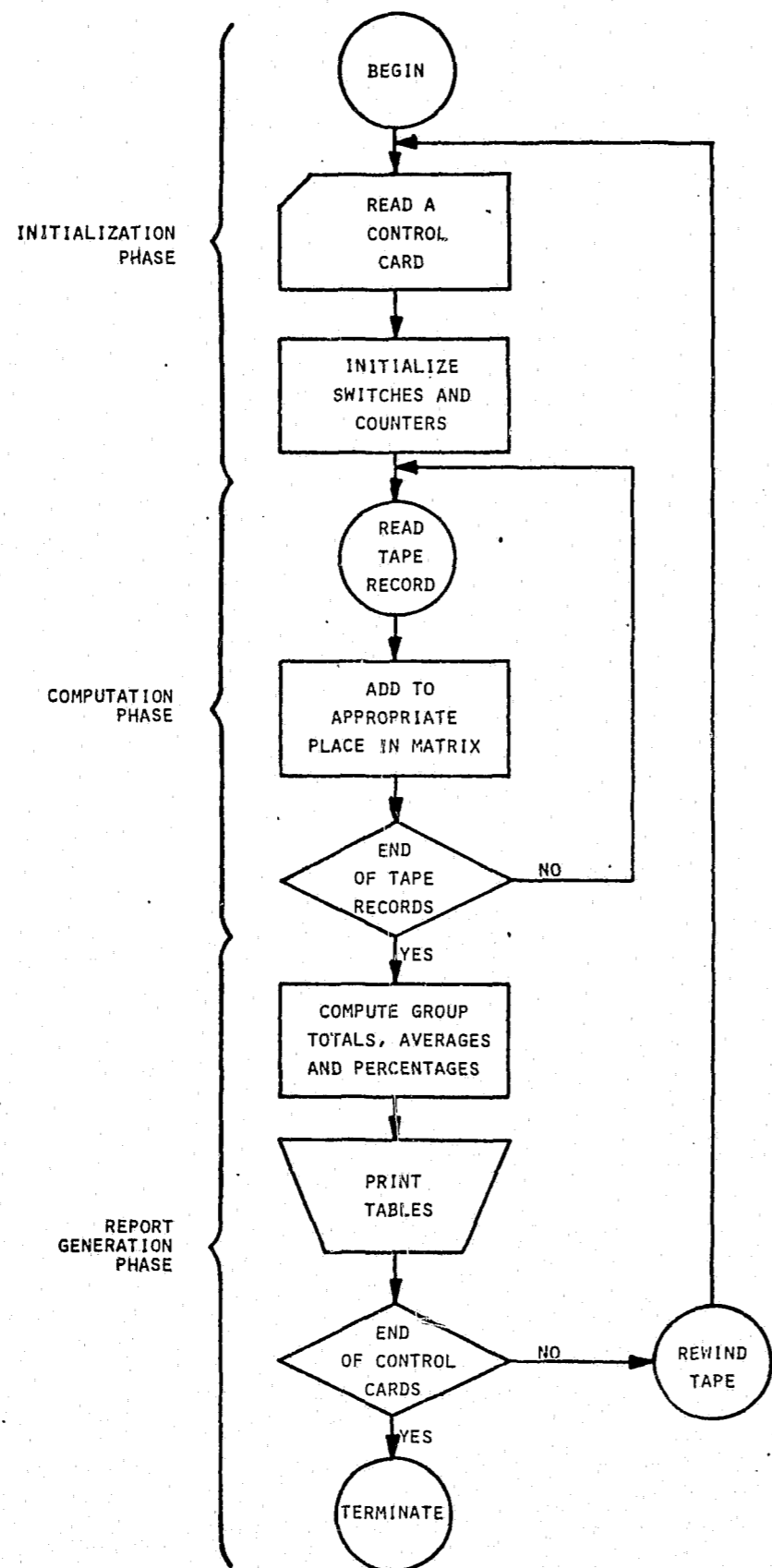


Figure B-2. Main-Line Logic Flow Diagram

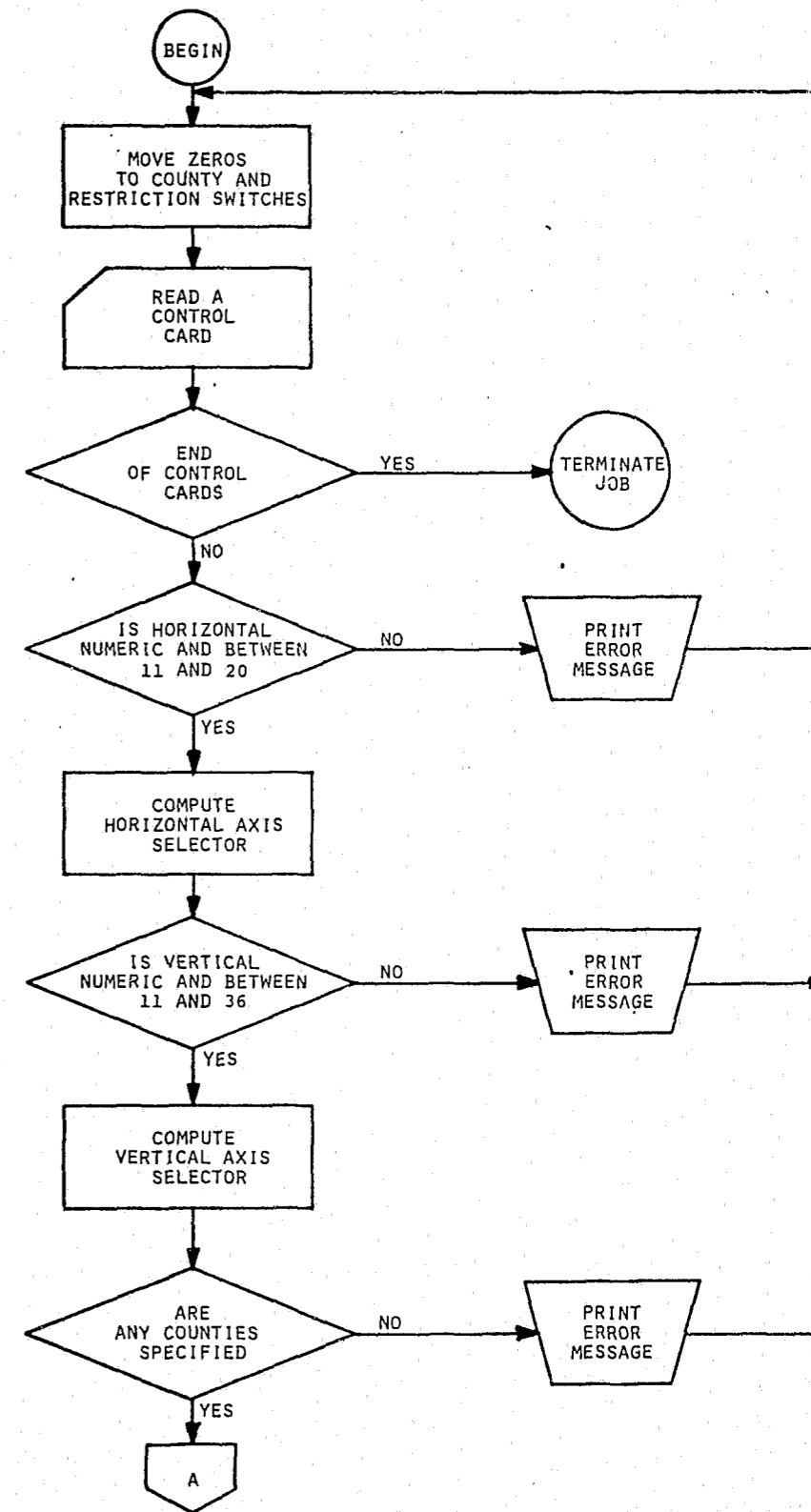


Figure B-3. Initialization Phase

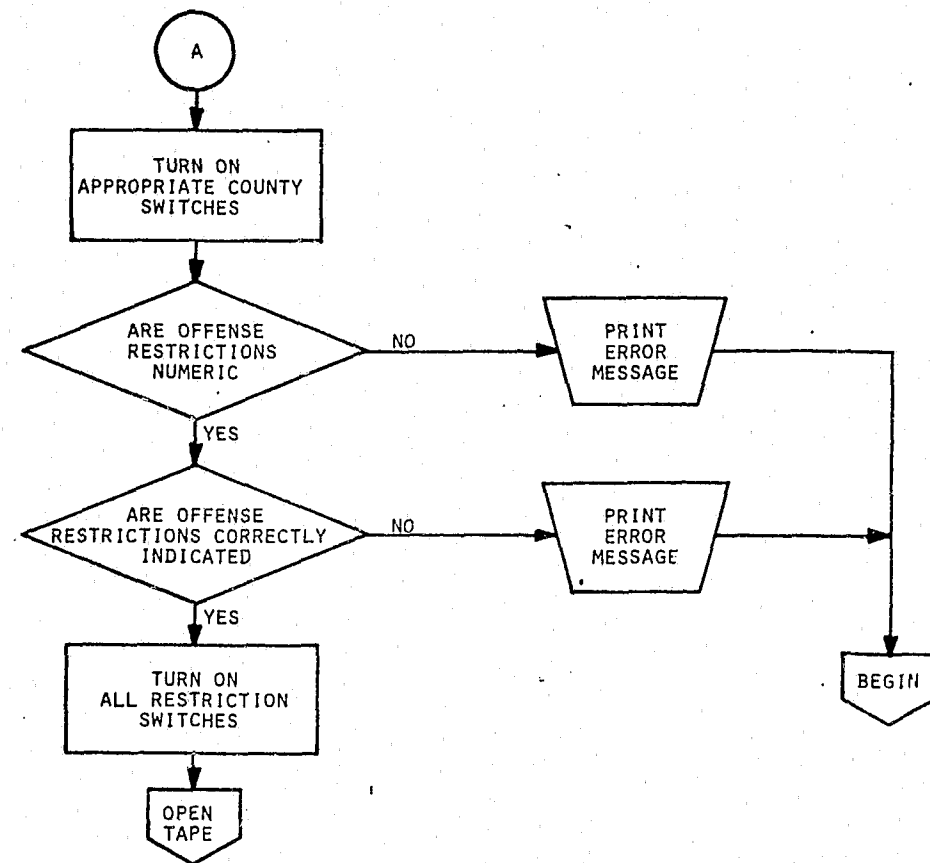


Figure B-3. Initialization Phase (Cont'd)

diagram indicates, the specification for the counties and the restrictions are given by turning on appropriate switches. The use of these switches is described in the following description of the Computation and Report Generation Phases. If any errors-in-form on the control card are detected, the program rejects that card and proceeds to the next. A message indicating the type of error detected by the program is printed.

b. Computation Phase.

The Computation Phase is responsible for reading the data file, applying the restrictions selected by the user, and computing the tabular values required by the subsequent Report Generation Phase. The block flow diagram for this phase of the program is given in Figure B-4.

After setting all data counters and matrix entries at zero to begin the generation of the desired tables, the computer reads each data record and checks to determine that the record is to be used. In sequence, the record is examined to establish that it is for a selected county, that it passes any of the applied data restrictions, and that it does not contain blanks, indicating no entry in the data field specified for the horizontal and vertical axes. If it fails to pass any one of these tests, this record is rejected and the program returns to read the next record from the tape file. Once the record has been selected for use, two alternative computation paths are possible. If the vertical axis includes time lapse figures, the time lapse from the data record is added to the figures needed to compute the average time lapses and is compared with previous values to establish the maximum time lapse. For tables not including time lapse determinations, this part of the program is bypassed. The final step in this phase of the program is the incrementing of the counter for the appropriate row and column in the table matrix. The program repeats the computation phase operations until all records from the tape file have been processed. At this time, the table matrix has been completed and contains the total counts of individuals in each data cell. The program then proceeds to the Report Generation Phase.

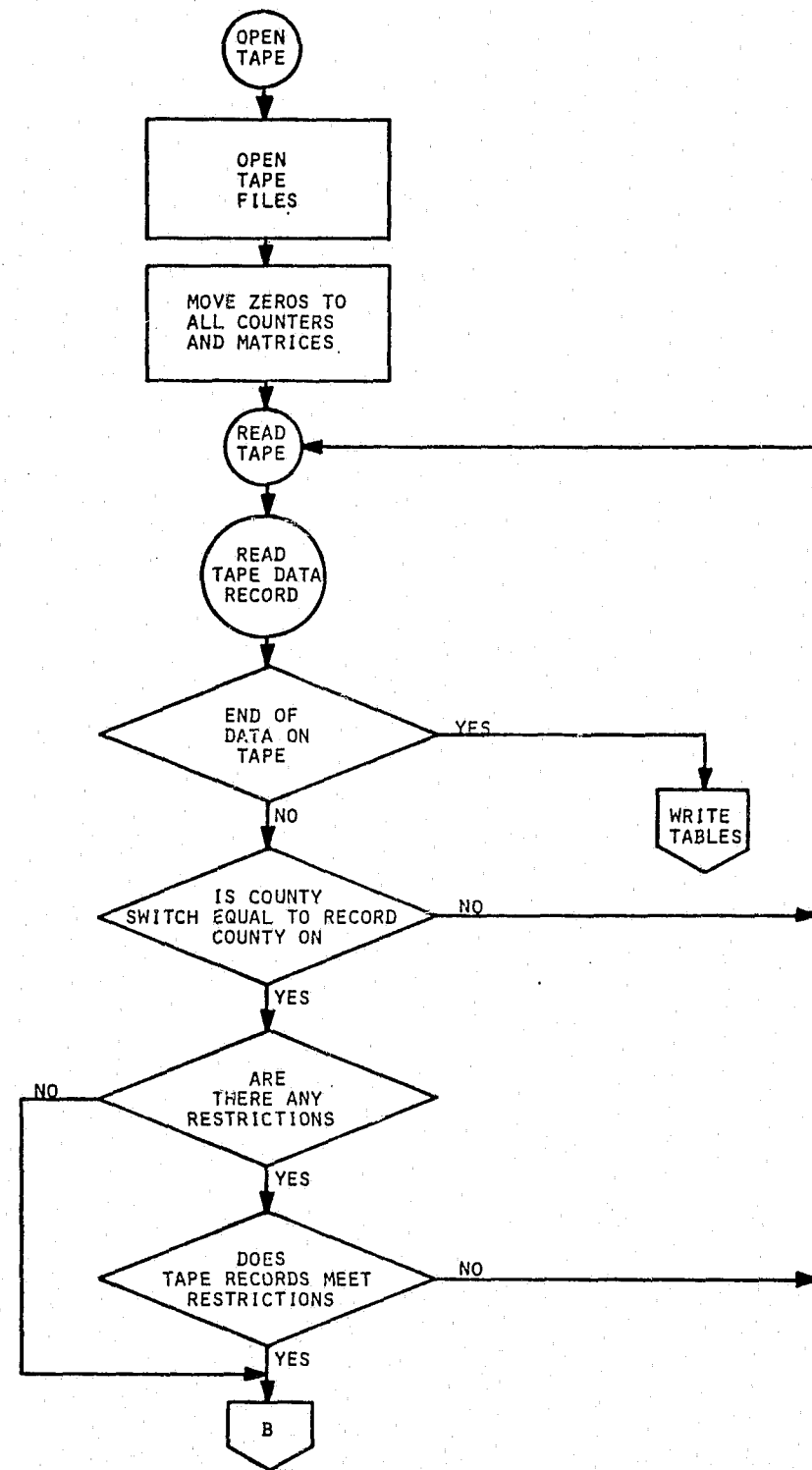


Figure B-4. Computation Phase

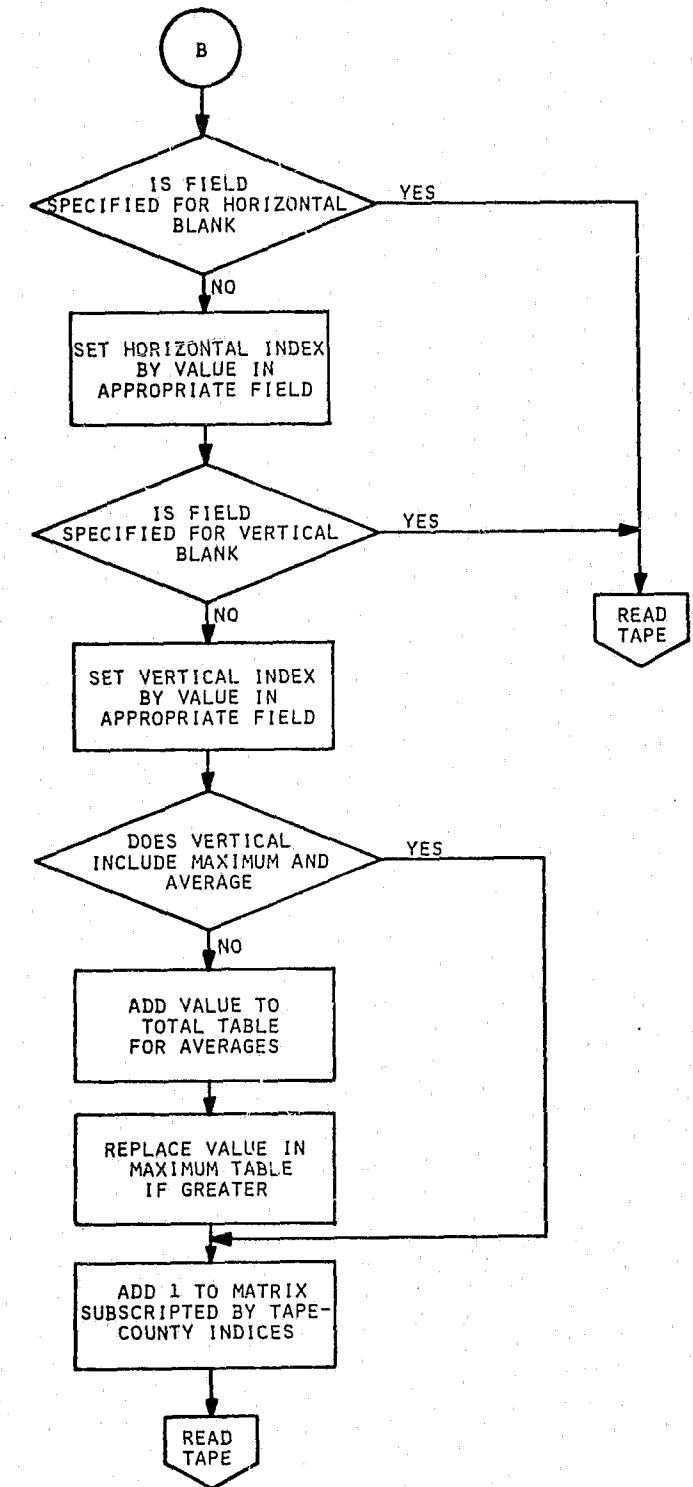


Figure B-4. Computation Phase (Cont'd)

c. Report Generation Phase.

The Report Generation Phase is presented with three sets of information: the horizontal and vertical axis headings selected by the user, the list of counties selected by the user, and a full set of tables constructed by the Computation Phase. Using this information, this phase must generate the printout of the final tables. The block flow diagram for this program phase is given in Figure B-5.

The operations proceed in a direct manner, printing the set of tables for each selected county in order. Upon completion of all of the tables, the program transfers to the Initialization Phase, beginning the entire process with the reading of the next control card. Prior to printing the tables, the vertical and horizontal column and row totals are computed. For the first seven types of vertical axis selections (Table B-7), average figures and percentages are required for the first table printed. These values are computed. The table type that is printed contains the total number of cases. The program initializes for this type. The other three types are: the overall percentages, the horizontal marginal percentages, and the vertical marginal percentages. Using restrictions punched on the control card, the latter two of these can be suppressed. The program ascertains if a restriction has been placed on the table type ready for printing. If a restriction is not present, the table heading is printed followed by the printing of the data row-by-row. For the tables requiring percentages, the figures are computed from the total numbers of cases prior to the printing of each row.

Upon completion of all of the required tables for the county, the program returns to the beginning of the Report Generation Phase to begin the printing of the next county table.

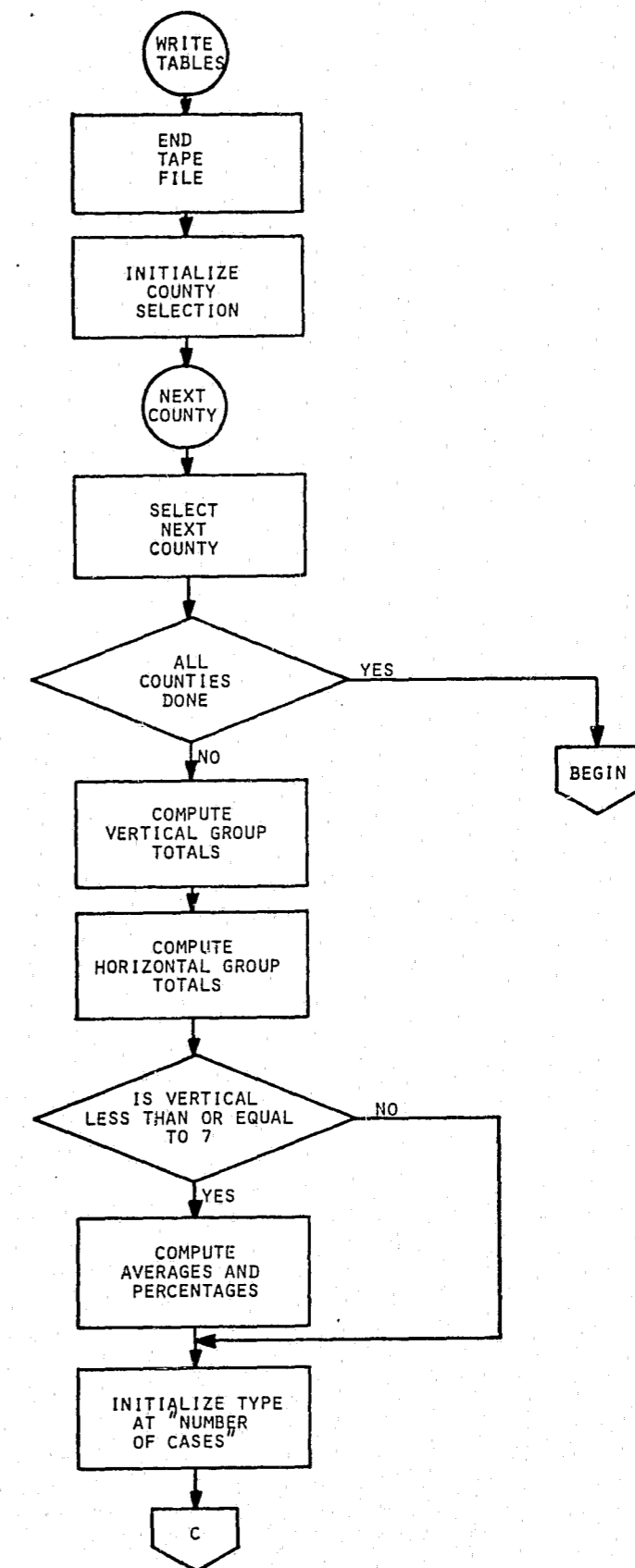


Figure B-5. Report Generation Phase



PROGRAM LISTINGS

The programs, Card-to-Tape and Table Generation Program, were written in COBOL for the RCA Spectra 70. For operation of the Table Generation Program it is essential that the editing program be used to generate the data file, for no data validity checks have been included in the main program.

The full program listings have not been included in this Technical Supplement because 68 pages are required. Copies of the listings can be obtained from:

Public Systems inc.  
1030 S. Winchester Blvd.  
San Jose, California 95128

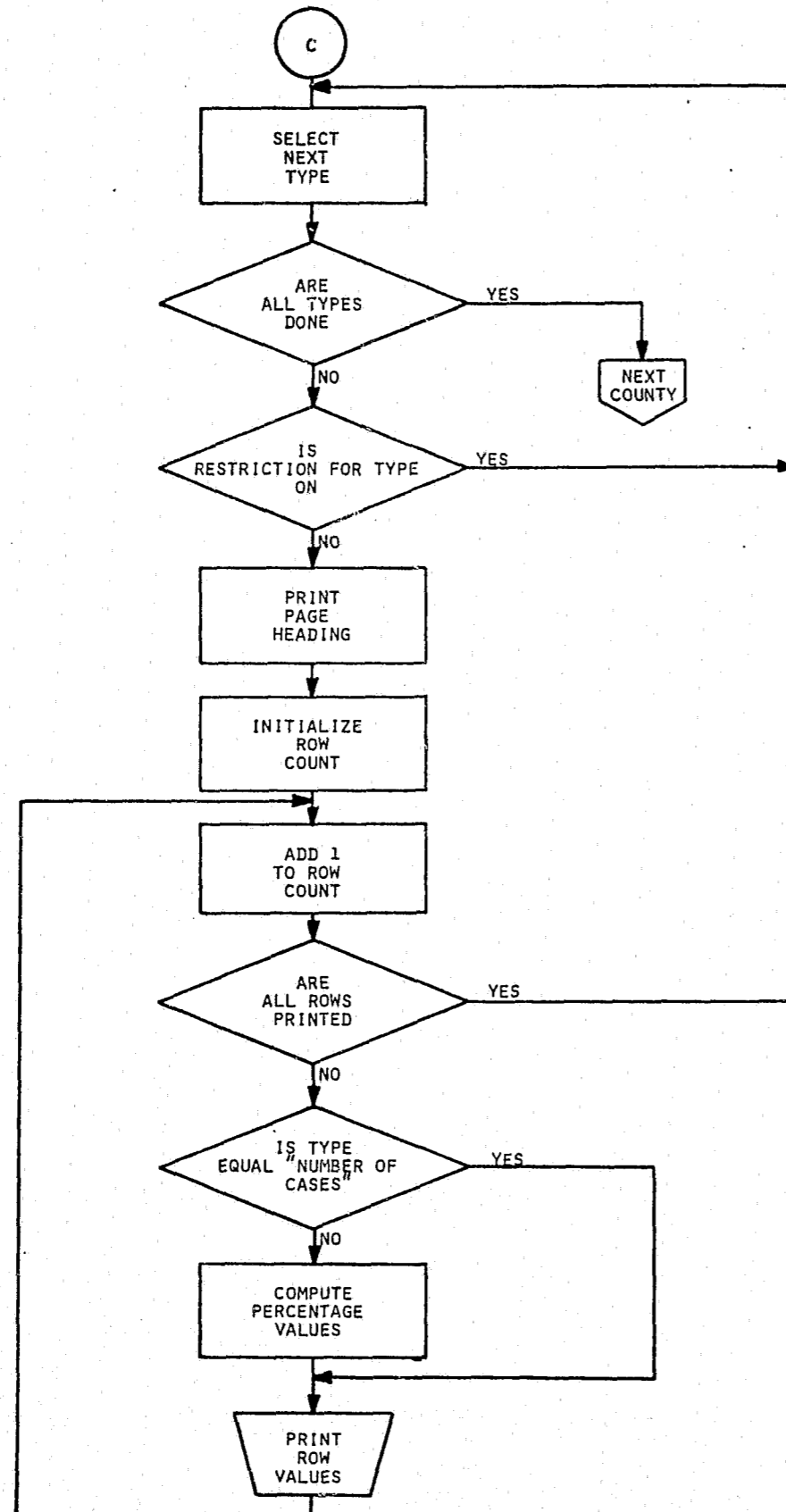


Figure B-5. Report Generation Phase (Cont'd)

**END**