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U.S. DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION NATIONAL CRIMINAL JUSTICE REFERENCE SERVICE WASHINGTON, D.C. 20531

Date

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3/29/76



R-75-109

>>> POLICE TECHNICAL ASSISTANCE REPORT

Police Department -Boston, Massachusetts, Crime Analysis Unit Capability

Boston, Massachusetts, Police Department Boston Population: 641,000 Police Strength (Sworn): 2,498 Total: 2,877 47 square miles

Westinghouse Justice Institute

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Foreword This request for technical assistance was made by the Boston, Massachusetts, Police Department. The requested assistance was concerned with planning the design for a crime analysis unit within the Boston Police Department. Requesting Agency: Boston Police Department, Mr. Joe Lambert, Director Police Planning and Research Division Mr. Robert J. DiGrazia, Police Commissioner State Planning Agency: Massachusetts Committee on Criminal Justice, Mr. Clifford Karchmer, Police Program Specialist LEAA Region I: Mr. John M. Keeley, Police Specialist R-75-109 iii

1. INTRODUCTION

The Planning and Research Division of the Boston, Massachusetts, Police Department requested technical assistance in developing a crime analysis unit capability to become operational on or about January 1, 1976. The consultant was specifically selected to provide the assistance because of his experience and background in designing, implementing, and commanding the crime analysis unit for the Dallas, Texas, Police Department. It is the desire of the Boston Police Department to establish a crime analysis unit whose chief function will be the analysis of crime data to identify crime patterns and trends which can be combatted by deployment of regular patrol forces, tactical units, and crime prevention teams. Initially, the crime analysis unit will be manually operated to establish background experience and analytical techniques. Eventually, the function is expected to be fully automated.

Specifically, the consultant was to provide technical assistance and accomplish the following tasks:

- · Meet with members of the Planning and Research cuss ideas under consideration.
- Assist individual members to develop a list crimes.
- Assist staff individually and collectively in ٥ formats.
- · Assist the Director in examining organizational objectives.

The consultant spent five days providing over-the-shoulder guidance and advice on the development of the crime analysis unit while on assignment with the Planning and Research Division of the Boston Police Department. At that time, the following persons were interviewed:

- Mr. Joe Lambert, Director, Planning and Research Division
- Mr. Steven Mandra, Research Assistant

Division to be involved in crime analysis to review and evaluate progress to date and dis-

of information items needed to analyze specific

the development of information dissemination

alternatives and establishing program goals and

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5	
	• Mr. Joe McNulty, Police Office
	 Mr. Peter Brodrick, Police Of:
	• Miss Patricia Sadler, Research
	Discussions were also held with Mr. C Crimes Program Specialist, Massachusetts C At the request of Mr. John Francini of Wes
	Police Specialist of the LEAA Region I off: for the consultant to discuss crime analyst methods with representatives from the Quin-
	Fall River, Massachusetts, Police Departme
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Eficer

ch Assistant

Clifford L. Karchmer, Police/ Committee on Criminal Justice. estinghouse and Mr. John Keeley, ffice, Mr. Karchmer arranged vsis problems, procedures and incy, Arlington, Woburn, and ments.

2. UNDERSTANDING OF THE PROBLEM

The Boston Police Department will be receiving an LEAA-funded grant to establish a crime analysis unit for the purpose of analyzing crime data to identify crime patterns and trends. The unit is to become operational on or about January 1, 1976. The main objective of the Boston crime analysis unit will be to produce information needed to effectively deploy field forces, apprehend criminal perpetrators, and prevent offenses. The crime analysis unit will only be peripherally involved with statistical analyses which are generally useful for administrative purposes.

Prior to seeking technical assistance, the Boston Police Department had already made major decisions necessary to establish the unit and had, to a great extent, implemented them. The unit would initially be established within the Planning and Research Division of the Department, with Mr. Joe Lambert, Director, in operational command. Four members of Mr. Lambert's staff have been designated to serve in a crime analysis team capacity. These personnel are Steve Mandra, Joe McNulty, Patricia Sadler, and Peter Brodrick. Mr. McNulty and Mr. Brodrick are both sworn officers with field experience. Mr. Mandra has police experience with the Washington, D.C., Police Department and has been with the Boston Police Planning Division for three years. Although Miss Sadler does not have direct police experience, she has been employed by Planning Division for six months and has been involved in several successful planning as-Signments. Messrs. Lambert, Mandra, and Brodrick attended the LEAA-sponsored Crime Analysis Workship presented by the California Technological Research Foundation. This fairly comprehensive workshop gave the team a good understanding of the concepts and procedures involved in crime analysis. Having advanced to this point, the Director recognized the necessity of making another decision vital to the establishment of an ongoing crime analysis unit: Taking into consideration the limitations of time and resources, on what areas or crimes will the unit primarily concentrate its efforts? It was decided that the unit would concern itself exclusively with robbery of business establishments, robbery of individuals, auto thefts, and rapes. Plans have also been developed to include burglary in the analysis process at a future date.

A team member has been assigned as an analyst to each one of the selected crimes. The analyst will be concerned exclusively with a particular type of offense and perform the necessary analysis needed to identify patterns or trends within a crime type. Arrangements have been made with the Department's record section to supply copies of the reported offenses of the selected crime to the Planning and Research Division. When these copies are received, a secretary separates the offenses by crime classification; each analyst is given the offenses which fall within his crime type.

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In order to familiarize the analysts with the various elements of the offenses and develop analytical techniques, Mr. Lambert secured a backlog of several months! offenses in each selected crime. He then assigned the analysts to their review and submission of a written report on any patterns or trends which became apparent. This assignment is to be completed before the unit becomes functional in January. As previously stated, all of these decisions were made and implemented prior to seeking technical assistance. It was from this point in the establishment of the unit that the consultant was needed to advise and give direction in the planning of the general functions of the crime analysis unit. Thus, the problem to be addressed was one of designing individual functions based on the needs of the Boston Police Department. This must be done within the framework of what is possible with existing data and manual analysis of the data. Since the Boston Police Department lacked prior experience in crime analysis, the boundaries of that framework were not apparent. To avoid costly experimentation, technical assistance was requested to provide a general design for the unit, which

will result in attaining the maximum effectiveness in data and manpower.

The work tasks did not vary from those requested in the application for technical assistance. The budgetary and organizational influences and constraints encountered were no different than those found in any police department of comparable size. A great deal of enthusiasm was evident on the part of Mr. Lambert and his team. This enthusiasm can be a valuable asset in accelerating the unit through its early operational period which, at best, will be frustrating due to the newness of the crime analysis concept.

One political factor which may prove to be a detractor from the effectiveness of the unit should be noted. The sworn officers in the Planning and Research Division have just recently been summarily removed from the police union. The action was taken because of the Division's administrative nature; however, it has caused some bitterness. There is at least one officer bringing suit against the union for slanderous remarks made about him. It remains to be seen what effect this action will have on the crime analysis unit; however, it could possibly cause problems in two areas. First, it could complicate the dissemination of the information process by widening the gulf of mistrust between what is traditionally a staff unit and the general field forces. Second, it could pose a problem when additional personnel must be recruited from within the ranks. An officer may be hesitant to join a division where he will lose his union protection. Hopefully, the enthusiasm of the unit and obyious need for the function will create credibility and prestige within the Department, which will overcome these problems.

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3. ANALYSIS OF THE PROBLEM

The basic design of the crime analysis unit was accomplished before technical assistance was sought. Consultation was needed for the design of individual processes and, certainly, for some reinforcement of expectations. In short, a point was reached in the unit planning, where members of the Planning and Research Division needed to talk with someone experienced in the field. Due to the nature of the problem and the need, all observations and recommendations made in this report and to the Boston Police Department are based on the consultant's past experiences with the Dallas Police Department.

There are four broad groupings in the crime analysis function, be it in Boston, Massachusetts, or Dallas, Texas. These groupings are:

- Data gathering
- Data analysis
- Information dissemination
- Systems and functional evaluation

It is in the context of these groups of functions that the crime analysis unit must establish its routine tasks. Thus, it was within the context of these groups that the problem was addressed.

3.1 Data Gathering

The main source of criminal data utilized by the Boston crime analysis unit will be the incident report, which has been instituted into the Department just this past year. The report (see Appendix A) is a form which is hand-printed by the officer who initially investigates the offense. Although the form captures sufficient data for the analytical process, it is somewhat unsystemized. This will not, however, prove to be a great hindrance to a manual system; and it is a weakness encountered in almost any department. If, at a later date, the crime analysis function is to be automated, it will probably be necessary to alter this report. At the present time, the data is adequate.

Arrangements have not been made for the crime analysis unit to receive any additional police reports. Only those offenses selected will be routed to the Division, sorted, and given to the analyst. There was indecision about what to do, if anything, with arrest reports.

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When each analyst receives his offenses, he will seek patterns and trends within his own crime type. Plans are for maintaining spot maps and working files on offense reports. The general design of the filing system has not been established; the spot maps to be used do not contain block numbers. The latter will seriously handicap a spotting operation. Since the analysts are generally unaware of the other's work due to a separate office situation, a serious gap in the analysts' knowledge of the overall crime picture will occur. The offenses will tend to spill over into other classifications (i.e., stolen cars will be used in armed robberies). As well, the present system does not allow for one analyst

No firm plans regarding the method of information dissemination have been made. Generally, there are two types of information generated by a crime analysis unit. The first is routine information that is turned out on a regular basis (e.g., suspect lists, crime profiles, and crime bulletins). The second is information about specific patterns or trends which have arisen. It was suggested that the routine information be printed on a standardized form and the specific pattern and trend information on a special memorandum. Mr. Lambert was provided a copy of

Due to a shortage of time, evaluation of the unit was addressed briefly. It was emphasized, however, that the unit must be evaluated on the basis of information supplied and not by the increase or decrease in crime. Since the unit does not make arrests or file cases, it cannot be evaluated on the effects of these functions. The unit must be judged by the timeliness of its information, the acceptance of its information by the users, and the quality of service rendered to the Department. Mr. Lambert agreed that any evaluation performed should be done on the

> R-75-109 3-2



The following conclusions were reached after completion of discussions with and observations of the Boston Crime Analysis Team:

> • The basic makeup and organizational location of the unit is good. Adequate administration of the unit has been provided, and it is staffed with professionally competent people. There have not, however, been any arrangements made for the day-to-day supervision and coordination of the unit's efforts; and there is a strong need for someone to act as liaison to the user groups. Since Mr. Lambert must manage an entire Division with diverse functions, he will not have time to constantly supervise and coordinate the crime analysis unit. As well, neither he nor the analysts will have time to interface with the user groups to the extent necessary. If the unit is to achieve a credibility with the field forces, someone must sell the services of the unit to them. For the unit to achieve any success, it will be necessary to constantly change, expand, and modify its services and techniques. At the present time, there is no adequate arrangement for anyone to act as a catalyst for this change, to supervise the routine tasks of the

> • The data collected on the incident report is sufficient for analysis purposes; however, it will not suffice alone. The greatest benefit of a crime analysis unit is that it is the one place where all of the information comes together. In order to achieve as complete a picture as possible, it will be necessary to gather information from such sources as arrest reports and investigative supplement reports. The analyst who conducts rape analyses should have access to all sex crime offenses. It will also become necessary for the analyst to review burglary offenses due to the fact, generally speaking, that burglaries are committed along with forcible rapes which occur

> > R-75-109 4-1

- rested for carrying a weapon).

• The sorting of offenses and determination of what is needed is an integral part of the analysis function and should not be conducted by one individual. The offenses and other reports should be presented to the entire unit at a central location, where they can sit down together and sort through them. This will provide each analyst a wider comprehension of the crime patterns in the city and allow each analyst to become more familiar with one another's needs and duties. This sorting period will not take more than an hour or so and will greatly facilitate the general usefulness of each member of the team.

• In the day-to-day review of offense information, the analyst will continually deal with broad physical and M.O. descriptions of suspects. There will be a definite need to match these descriptions with those of known perpetrators. The most practical way to do this is to build and maintain a suspect description file from information taken from arrest reports. This file can utilize the punch-sort card system, which was explained to the individuals who attended the Crime Analysis Workshop. It will not be necessary for each analyst to maintain his own file; but, rather, a general file should be maintained by one person for the entire unit. When building this file, suspect descriptions should not be limited to only those persons arrested for the crimes selected for analysis by the unit since many suspects commit a variety of crime types (i.e., a person who habitually commits armed robbery may be ar-

• The crime analyst will need a street name or nickname file. This will be especially applicable for crimes of individual robbery and rape. Once again, the arrest reports are an excellent source of obtaining these nicknames. The file should be maintained for the general use of the unit and include the nickname, true name, and personal data of every person arrested if that person has a nickname.

> R-75-109 4-2

- robbery.

• In the area of auto theft analysis, it will be necessary to correlate auto theft recoveries as well as the thefts. Both items of information should be spotted on the map. Geographically speaking, recovery locations will manifest themselves in patterns more often than theft locations. It is also necessary that the analyst working on auto theft work especially close with the other analysts, as many times stolen cars are used in the commission of other crimes. When this is discovered, the analyst should request that upon recovery the automobile be examined for fingerprints. The crime scene search technician is more likely to obtain a full set of prints from the abandoned car than from the scene of an armed

• The unit has plans to maintain a spot map operation. This is a very valuable operation to a manual system as it ensures that each offense will be reviewed by the analyst. It also graphically demonstrates geographical crime problems. The most common patterns discovered will be a concentration of one type of offense in the same area, and a spot map will serve to quickly point up these areas. The map which is currently available, however, seriously handicaps this effort by its lack of block numbers. To enhance the process, the block numbers should be marked on a master set of maps and thus avoid the analysts wasting time trying to properly spot the crime locations.

> R-75-109 4-3

5. RECOMMENDATIONS

The following recommendations should be implemented by the Boston Police Department to enhance the operational capability of the Crime Analysis Unit.

- to the crime analysis unit.
- be maintained for its duration.

• Mr. Lambert should augment the staff of the Crime Analysis Unit with a police sergeant to act in a supervisory capacity for the unit and as a liaison to the user groups. Preferably, this sergeant should be familiar with the field practices of the Department and have credibility with the forces. It should be noted that this recommendation is not based on any lack of ability by Mr. Lambert or his staff. Rather, it is based entirely on the fact that the broad responsibilities of Mr. Lambert will make it extremely difficult for him to spend the required supervisory time with the unit or perform the necessary liaison duties.

• The crime analysts should be responsible for sorting through the offenses and determining what reports are to be used for analyses. This should take place at a central location and be performed with all of the analysts sitting down together, where they will have an opportunity to become familiar with each other's needs and to interface with each other concerning current patterns and trends.

• The Record Section of the Boston Police Department should be instructed to send copies of all Robbery, Sex Crime, Auto Theft, Offense and Arrest reports; all Investigative Supplemental reports; and all Intelligence bulletins

• Each analyst should maintain his own working file of offenses. The offenses should be filed by the crime and police division for a sixtyday period. A separate file should be maintained on specific problems which includes all available information about the problem and should

> R-75-109 5-1

• A suspect description file should be maintained by a designated analyst for the use of the entire unit. This data should come from artions and broad M.O. data. The method for maintaining and accessing this file would be the punch-sort card system. • A designated analyst should maintain a nickname file for the general use of the Unit. This data should be obtained from the arrest reports and filed in alphabetical order of the nickname. • Spot maps should be maintained routinely on the selected crimes with color-coded spots designating the month of occurrence. A series of acetate overlays should be used so that the maps never have less than a full month of data nor more than three months at one time. In the case of auto theft, a different shaped spot should be used to differentiate between stolen cars and recovered cars. • The Unit's maps should have the block numbers penned in by a clerk prior to beginning the spot map operation. This can be done from a commercial city map or by the use of a mapsco type of book. • The Unit should routinely produce and dissemitions, overall seasonal trends, and suspect vehicle descriptions. These bulletins should be printed on a practical format with a Crime Analysis Unit Heading. Each bulletin should request an officer taking action, based on the bulletins' information on the subject, to contact the Unit. ${f o}$ When the Unit discovers a specific crime pattern or series of crimes which can be connected, to the lowest ranking officer with authority to take action on the identified problem. The memo should be distributed through the established chain of command for information purposes. Additionally, person to person interchange of analytical findings should be encouraged. R-75-109 5-2

rest reports and should reflect physical descrip-

nate crime bulletins concerning suspect descrip-

a special memo should be prepared and addressed



sis supervisor listing the number of offenses reviewed, bulletins issued, problems identified, and requests answered by the Unit. The super-visor should use the log to submit a monthly report to the Director on the activities of the Crime Analysis Unit. These reports will be needed in the planning for future resources / and in the evaluation process.

> R-75-109 5-3



APPENDIX A

Boston Police Department Incident Report

> R-75-109 A-1



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APPENDIX B



DALLAS POLICE DEPARTMENT

July 1, 1974

Function of the Crime Analysis Section Objective: The Crime Analysis Section is primarily responsible for the detection of criminal modus operandi, discovery of crime patterns within geographical areas and the association between known offenders and crimes. This Section publishes Special Modus Operandi Bulletins, Crime Analysis Bulletins, Burglary Car and Suspect Listings, and Stolen Car Recovery Patterns which contain information that will alert field officers to crime problems thereby aiding in the attainment of primary police objectives. The Tactical Section's crime problems and the police helicopter flying schedules are identified in this office as well as target identification for other special teams. This Section, in the achievement of its objectives, maintains spot maps (delineating specific offenses), Field Contact File, Nick Name File, Suspect Car File, Suspect File, and other necessary data to identify a crime problem in the shortest possible time. R-75-109 'B--3 - 1 F. . Ж. н.

Dallas Police Department Position Description <u>ц</u>. I HOURS ASSIGNED: 8:15 - 5:15 - iu [_ IMMEDIATE SUPERVISOR: Captain of Police NUMBER OF SUBORDINATES SUPERVISED: Four SUMMARY: DUTIES AND RESPONSIBILITIES: 1. SUPERVISION 60%

SECTION SUPERVISOR CRIME ANALYSIS SECTION

CIVIL SERVICE CLASS TITLE: Lieutenant of Police DIVISION, SECTION OR UNIT: Planning and Research Division Crime Analysis Section

A Lieutenant of Police assigned to the Crime Analysis Section organizes and directs the activities of the Section, maintains liaison with line units and outside agencies, and maintains the efficiency and discipline of his subordinates. He conducts and directs appraisal and analytical activities and publishes various periodic and special reports describing criminal activity and persons believed responsible. The position differs from other supervisory positions that activities performed are of a staff nature and depend on effective liaison to achieve their objectives.

The Lieutenant reviews, edits and approves the production of the Section, and participates in crime review meetings to present current criminal data to other units. The Lieutenant confers with supervisors in field divisions in order to exchange information regarding offenses and suspects. The Lieutenant is supervised by the Division Commander, Planning and Research Division. The position requires supervisory ability, ability to maintain effective liaison, and the ability to analyze and present a variety of criminal data to all levels of the Department.

> a. Directs, coordinates and assists in the preparation of crime data derived from crime reports submitted by field units and other sources. Directs the gathering, tabilation, analysis and dissemination of information relating to criminal personalities and activities in the city. Reviews daily and periodic crime summaries and bulletins prepared by the Section.



data and prepares conclusions and recommendations based on this data for publication and/or for re-

a. Maintains close coordination with all field divisions in order to expeditiously disseminate crime infor-

personnel in order to exchange crime information

Dallas Police Department Position Description

CRIME ANALYSIS PERSONNEL

CIVIL SERVICE CLASS TITLE: 2-Police Analysts 8 1-Patrolman DIVISION, SECTION OR UNIT: Planning and Research Division Crime Analysis Section HOUR HOURS ASSIGNED: 8:15 - 5:15 IMMEDIATE SUPERVISOR: Lieutenant of Police NUMBER OF SUBORDIANTES SUPERVISED: None

SUMMARY:

This personnel gathers information pertaining to crime from line divisions. and in turn supplies derived information to these divisions in the form of crime pattern recapitulations, suspect and associates lists, field contact logs, areas or buildings having a high crime potential, and the like. These positions differ from others in the Division in that primary emphasis is placed on daily appraisal and evaluation of crime patterns and trends.

All crime reports submitted by line divisions are reviewed daily and modus operandi and other pertinent information is extracted. Various reports. including field contact reports, are reviewed and attempts are made to relate offenses and suspects. This personnel prepares and disseminates daily and special bulletins containing summaries of crimes occurring during the past day and any other information of value to field officers. They prepare a Crime Summary which reports preliminary statistical data for a certain period of time. These positions require a sound knowledge of police operations. excellent analytical ability and ability to maintain effective working relationships with field units. Persons in this position must be self motivated and work with a minimum of direct supervision.

DUTIES AND RESPONSIBILITIES

- 100% 1. Staff Duties
 - - the crime.

a. Analysis and Dissemination of Crime Data

(1) Receives, sorts, and reviews reports of Part I crimes submitted by line divisions; verifies proper crime and classification descriptions and prepares a synopsis of

(2) Researches and analyzes offense, intelligence, and arrest reports; makes comparative analysis of similar offenses.



similar criminal methods of operations and possible suspects; prepares crime and related information reports for distribution to police staff and field personnel; performs research and analysis work for specific crime or crime problems, upon request from

(3) Identifies crime problems as to area of concentration, time committed, and possible suspects; maintains spot maps according to type of offense committed. Based on gathered information, makes decisions for the deployment of various police units such as tactical squads

(4) Briefs police staff on crime trends, crime concentrations, unusual offenses, and possible suspects.

(5) May work with other law enforcement agencies to exchange information and to compile information on mutual crime

(6) Submits offense evaluation reports to criminal investigators whenever offenses have a similar modus operandi.

(1) By appraisal and evaluation of reported and derived data, prepares special bulletins containing information describing a particular series of related crimes, possible responsibles, potential times and locations of occurrence, method of operation, and the like.

(2) Through study and analysis of residence of known offenders and their movements throughout the city. prepares reports which serve to alert field officers to their methods and to provide other crime prevention

(1) Receives, sorts, and reviews field contact reports for possible connections to offenses, to note associates of the person interrogated, and to extract other information which may be of value.

(2) Provides requested information from field contact reports to other units of the Department and to



(1) Maintains spot maps on which offenses in the categories or burglary, robbery, and auto theft are indicated. Maps reflecting total crime and special problems under-going study are also maintained.

Dallas Police Department Position Description

CIVIL SERVICE CLASS TITLE: Research Analyst 13 DIVISION, SECTION OR UNIT: Planning and Research Division Crime Analysis Section HOURS ASSIGNED: 8:15 - 5:15 IMMEDIATE SUPERVISOR: Lieutenant of Police NUMBER OF SUBORDINATES SUPERVISED: None.

SUMMARY:

11

This is an advanced level position responsible for conducting logical analysis of complex or involved management and operational problems and fomulating mathematical models for solution by digital computer or other mathematical techniques.

DUTIES AND RESPONSIBILITIES:

- ical parameters.
- applying mathematical tests.
- 3. Writes follow-up reports, evaluating effectiveness of research implementation.
- 4. Prepares monthly statistical reports.

CRIME ANALYSIS PERSONNEL

1. Studies problem and prepares mathematical model of problem area in form of one or several equations that relate constants and variables, restrictions, alternatives, conflicting objectives, and their numer-

2. Gathers, relates, and identifies data with variables in model by

Daily Crime Posting:

of offense.

By studying these reports daily and mentally noting suspects, modes of operation, automobiles involved, and time and location of occurrence, the individuals detect trends, establish connections between offenses, and make predictions. The information generated from this analysis helps the Special Operations Division deploy their tactical forces to where the greatest problems are and helps the scheduling for the Police Helicopter Section. In addition, the information developed from daily analysis is also valuable to investigators, patrolmen, and other field elements in solving past crimes.

The actual posting of the five offenses mentioned above to wall maps consists of placing a $\frac{1}{4}$ " round adhesive coding dot to acetate overlays covering large 6' x 7' wall maps of the city. The coding dots are color coded by month and the occurrence date of the offense is written on each coding dot. The dots remain on the board for approximately three months. Each month the sheet of acetate is removed and a new sheet is added. When a sheet of acetate is removed, it is rolled up and stored for future reference. Each specific offense mentioned earlier is posted on a separate wall map.

Each Tuesday morning, the Operations Analysis Unit conducts a meeting with all patrol district commanders and representatives of other sections of the Police Department. The wall maps are reviewed and problem areas discussed. When requested, bulletins are prepared concerning problem areas. These bulletins are completed by Operations Analysis personnel. A bulletin is a summary of any type of crime which has occurred in a police beat over a time period of between ten and forty days. The bulletin lists the date, time, and location of each offense.

CRIME ANALYSIS OPERATIONS AND APPLICATIONS

Every morning the Operations Analysis Unit receives from the Reproduction Unit of the Report Section copies of all Offense/Incident Reports, Arrest Reports, and Supplements to Offense Reports received by the Report Section over the past twenty-four hour period. Offense/ Incident Reports of the following kind are sorted out: (1) Bicycle Thefts, (2) Armed Robbery of a business establishment, (3) Burglary of a business, (4) Burglary of a residence, and (5) Automobile Theft. Each of these categories is handled by one of the three people who post the offenses on the appropriate wall map. Since the same person handles the same kind of offense each day, this person is probably the most knowledgeable person in the Department concerning that kind

It describes the method of entry, type of property taken, weapon used or type of car stolen, depending upon the type of offence being treated in the bulletin. Also, descriptions and names of suspects are listed. A map of the beat with the locations of the offences indicated is included with the bulletin. The bulletins are routed to the appropriate patrol division commander (see the example of a typical bulletin in the attachments).

Crime Statistics and Charts:

The statistical analyst assigned to the Operations Analysis Unit is responsible for maintaining wall charts on the following types of crime: (1) Index Crime Total, (2) Non-Index Crime Total, (3) Murder, (4) Rape, (5) Robbery, (6) Aggravated Assault, (7) Burglary, (8) Theft Over \$50.00, and (9) Auto Theft. The monthly frequency of these crimes is charted on large, acetate covered wall charts for easy reference. The previous year data is displayed so that current frequencies can be readily compared to previous year frequencies. The frequency of clearances is plotted on each year also so that comparisons may be made between offenses and clearances of the current year and the past year.

Nickname and Alias Name Files:

Any nickname or alias names appearing on any of the reports received by the Operations Analysis Unit are entered in the nickname or alias name filing system described below.

File 1 - Alias Name File - Alias names are filed alphabetically with true name, race, Police Department ID number, address, date of arrest, age, height, weight, and date of birth.

File 2 - Nickname File - Nicknames are filed alphabetically with true name, race, Police Department 30 number, address, date of arrest, age, height, weight, and date of birth.

File 3 - Nickname File - Filed alphabetically by nickname, contains true name and race.

File 4 - Nickname and Alias Name File - Filed alphabetically by alias or nickname, contains real name, race, address, date of arrest, age, height, weight, and date of birth.

File 3 contains information obtained from field elements, intelligence reports, etc. The information is not complete because the people whose

... is 🗜 names are listed therein have not been arrested. File 4 contains information on people who have been arrested but not filed on. If and when these people are filed on, an ID number is assigned by the Identification Section. This ID number is recorded on the index card . . . E in File 4, and the card is moved to File 1 or File 2. Offense and Supplement Filing: After the offense reports have been sorted, studied, and the locations à ba posted on the wall maps, they are filed by type of offense, beat, and date. Files are maintained for Residence Burglary, Auto Thefts, Armed Robbery, Business Burglary, and Bicycle Theft, i.e., the posted offenses. Each file contains four sets of folders. Each set of folders contains a slot for every beat in the city. Each set of folders contains one month of data. At the end of each month, the folder containing the least recent data is emptied and used for the next month's data. Therei sar fore, the retention period for the data is from three to four months. Supplements concerning any offense on file are placed with that offense. If a supplement indicates that an offense or group of offenses have 5 been cleared these offenses are marked cleared and the supplement filed. For a summary of the complete offense, posting and filing cycle, see the flowchart "Daily Crime Spotting" that follows. R-75-109 B-12



Miscellaneous:

Locations of fences (business and/or residences which are known locations for the handling of stolen property) have been posted on the residential burglary map. This is done to determine relationships between burglary locations and a place of disposal for the stolen property.

All offenses involving an automobile description as a clue are filed in a special file. They are grouped by the make of the automobile described on the offense.

A file is maintained containing all Offense/Incident Reports, Arrest Reports, and Supplements thereto concerning Murder and Aggravated Assaults. Offense/Incident Reports concerning any type of crime are filed upon request.

Special reports as well as bulletins concerning crime problems are made upon request or when any of the Operations Analysis Unit's personnel feel that such reports are warranted.

Conclusion: The preceding descriptions of the functions of the Dallas Police Department's crime analysis unit, the Operations Analysis Unit, hopefully answer the questions requested to be completed by the Foundation. The Operations Analysis Unit was set up for the Department by the IACP in mid 1968. As such, it was probably among the first such units in operation. Through the years, this Department has sent departments as those in Kansas City, St. Louis, Los Angeles, and among the leaders in developing effective crime analysis units. The Department is unaware of any pertinent current literature pertaining to the subject of this report. The Dallas Police Department currently shares with other City depart-The Model 20 is also used for batch processing. Several computer reports are generated for the Dallas Police Department cumulative totals are provided by this printout. In closing, the Department wishes to reiterate its pleasure in having we can provide will be gladly furnished.

representatives from the Operations Analysis Unit to visit such police New York. The Department feels that the police in these cities are

ments two IBM 360 Model 50 computers and one IBM 360 Model 20 computer. One of the Model 50's is primarily used for teleprocessing (several visual on-line terminals are located throughout the Dallas Police Department) and the other Model 50 is primarily used for batch processing.

via the Department's Data Processing Section and the City's Data Services Department. Some of these reports are run on a regular basis (daily, weekly, bi-weekly, monthly, or yearly) while some are special project runs on a one-time basis. An example is given in the attachments of the most useful (to Operations Analysis personnel) regular computer report "Reported Crime By Location." This report is run daily and lists reported offenses for each police beat (109 beats), sergeant sector (16 sectors - a sector being a grouping of beats for which a patrol sergeant is responsible), patrol divisions (or districts on the example printout), and a total for the entire city by crime category and police watch. The daily totals as well as monthly

been chosen to participate in the Foundation's study. Any help that



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BULLETIN EXAMPLES

		3		
		JRPOSES O	IIN FOR INFORM, NLY	ATION
	ſ			BUSINESS
	[Late 10/24/7	112 2 Beat 113	Bulletin Number
	L.	Lumber of Of	fenses This Month	· .
	Γ	RRATIVE	(LIST OFFENSE	
	_			<u>57</u> ;
		DATE	TIME	 LOCATION
		/7-9/72	10:30pm-7:45am	424 Second Ave,
				(Rob & Lup Cafe)
	Г	10-11/72	9:00pm-1:30am	527 N. Haskell A (Barnetts Garage
	E.,	10/10-11/72	9:00pm-1:30am	527 N. Haskell A (Edge's Service
	L	/12/72	9:00pm-12:05am	3802 Gaston Ave. (Niller Enco Ser
	Ľ	/12-16/72	10:00pm-6:15am	715 N. Washingto (Stephan F. Aust
	Ĺ	AT 113		
	ſ	12/1/72	5:30pm	110 N. Peak St. (Clark's Automot
	ſ	<u>10</u> /4/72	6:00pm-8:05pm	4014 Elm St. (RCH Designs, In
N.	L	10/5-6/72	5:00pm-1:45am	500 S. Haskell A (American Tire C
	L	0/9-10/72	7:00pm-8:30am	4033 Elm St. (J. C. Salvage C
		- /112-15/72	12Noon-9:00am	500 S. Haskell A (Bill Valentine
		14.3/72	1:25am	3903 Elm St. (L. P. M. Parts 4
	٢			ODEDATIONS ANAL
	L	T T		UPERALLUNS ANAL

ESS BURGLARIES		D - Door W - Window V - Vont Wall - Knocked Hole R - Roof	in Kal
er <u>1070</u> In	formation (Covers Day	73
Number of Off	enses Last	Nonth:	(Total)
10N0	METHOD E ENTRY	TYPE_PROPERTY TAKENSL	ISPECTS
re, fe)	W/D	\$35, \$20 Money Order \$10 Money Order,-9 cases of Beer	
l Ave. rage)	W	Unk,	(1)
l Ave. .ce Station)	W	Unk,	(2)
ve. Serv. Sta.)	W/D	\$ <u>5</u>	
ngton Ave. Austin School)	W	Port, TV	
St. omotive)	V	None	(3)
, Inc. of Dallas	D)	No Loss	
ll Ave. Te Co.)	D	None	
ge Co.)	D	Meats	
ll Ave. .ne Truck Tire Co	W 5.)	Tires, Lug, Adding Mach., Tape Deck/ Speakers, Elec. Sto Tool box/Tools, Bat Charger	ve, tery
rts & Serv. Inc.)	י. א/מ)	Adding Mach., Type- writer, IBM Computer Elec. Motor Scooter of Gears, Tires, Chr	(4) r, , Boxes ange
NALYSIS UNIT	 .	R-75-109 B-18	



DESCRIPTION

W/M/21, 5'10", 130#, long hair, mustache, blue jeans, sleeveless checkered

OPERATIONS ANALYSIS UNIT
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		 					536	47.6	 	ri		
<u> </u>	۱. ۱.	1			Y		ل ا			L	L	استحقا
		ARI	MED ROB	BERTES	OF BUS	INESS E	STABLIS	SHMENTS				

Bulletin # 174 Date March 1-27, 1973 Beat Sections of 214, 221, 234

Number of offenses this month ______5 _____Number of offenses last month _____2 (both CBA)

	·			
Date & Time	Location	Beat	Weapon	Suspects
3-12-73 4:20 PM 66643-E	Warehouse Liquor 5823 Blackwell	234	gun w/brown handle in waist	W/M/30's, 5'9", 150#, ruddy comp., small mustache. Entered store 45 minutes before actual robbery and asked the time.
3-13-73 9:52 PM 67924-E	Safeway 5828 Abrams	217	.32 blue auto.	W/M/25-30, 5'8", 220#, dark collar length hair, needed shave, strong body odor. W/M/20's, 6'1" 180# long

R-75-109 B-20					brown hair. Got groceries then pretended he forgot his wallet. Went out to <u>white 1971 Grand Prix</u> and got #2 suspect, then they robbed the store.
	3-25-73 7:45 ₽M 79573-E	Minyards 6515 Abrams	234	large blue auto.	W/M/35, 6', 165#, sindy blond hair, thin face, ruddy comp., poss. same suspect as Ware- house Liquor. Paid for groceries first then pulled gun from behind his back and robbed store.
	3-26-73 9:00 PM 80518-E	Wards Drug Store 5848 Abrams	214	.45 blue auto. .32 rev.	W/M/25, 6', 160#, brown shoulder length hair, sharp ncse. W/M/18-20, curley hair sitting in a <u>silver Buick</u> <u>Riviera</u> . Handed pharmacist a list of narcotics he wanted. Very nervous.

	2010-00-00-00-00-00-00-00-00-00-00-00-00-
	AUTO THEFTS
TJ (Original	X Supplemen
Bulletin Number 1045Dat	e <u>10/5/72</u> Bea
Number of Offenses This	s Month 13 Number
DATE TIME	LOCATION
/1-2/72 9:30pm-6:00am	10425 Lockyer
	(Rec. 10545 Lakemere Beat 222 - Cond. OK)
2/72 2:00am-10:30am	10451 Foxton (Apt. Parking)
	10439 Foxton
	(Apt. Parking) (Rec. 10535 Lakemere Beat 222 - Cond. OK)
L /5-6/72 6:00pm-7:45am	10707 Havenlake (Apt. Parking) CBA
/(^{'72} 12Mid-7:30am	1121 Whitehaven (Apt. Stairway)
/9-11/72 6:00pm-8:00am	11500 E. N.W. Hwy (Used Car Lot) (Rec. Waxahachie, Tex Cond. Stripped)
14-15/72 10:00pm-5:50am	10676 Kingsley (Apt. Breezeway)
	9606 Rolling Rock (Apt. Parking)
/20-23/72 9:00am-4:00pm	11400 LBJ Frwy (Public Street)
27-28/72 7:00pm-9:00pm	10676 Kingsley Rd. (Apt. Breezeway)
/27-28/72 9:00pm-8:30am	8828 Larchwood (Pvt. Driveway)
,'a '72 7:30pm	11844 E. Northwest HW (Car Lot)
	R-75- B-
	•

Continuation nt at 222 Info. Covers 10 Days of Offenses Last Month -TYPE CAR SUSPECTS W/M/14, W/F/12, W/F/10 W/M/15, W/M/10 1964 VW 2-dr White MLZ 671 1965 VW 2-dr Red KDK 165 Poss same as above 1966 VW 2-dr. White Richie Ramsey W/M/14-15 LHL 802 10611 Lorwood 1967 VW 2-dr, Tan Richard Ramsey W/M/16 Okla XH 7205 1971 Honda 100 Gold W 15369 1970 VW 2-dr White LLS 462 х, 1972 Yamaha 250 Gold W 6038

 1972 Honda 750cc Brn. W/N/28-29, 5'11", 190#,

 72 Ariz. Unk.
 Brn. hair, med. length,

 mustache; lives at 4827

 Covey Ct. 1965 VW 2-dr. Green MMG 128 1972 Yamaha 250cc Orange/Gold W 14133 1970 Toyota 4-dr. White MVC 890 WY. 1967 Chev. 2-dr. White W/M/late 20's, 5'11' LMH 325 170#, blk. hair PLANNING AND RESEARCH DIVISION OPERATIONS ANALYSIS -109 -21 .



mustion)	•	•
		:
	TYPE CAR '	SUSPECTS
1962 VW 2-	dr. Blue	•



	•	AUTO	THEFT RECOV	ERIES	
DIVIS	SION: <u>Central</u>		9999	MONTH: June	YEAR: 1974
	, WHERE STOLE	N		WHERE RECOV	TERED
BEAT	LOCATION	DATE	BEAT	LOCATION	CONDITION
	1000 S. Central Bus. Pkg. Lot #181700-F	6/14/74	111	1000 S. Central	. Good
	3909 Simpson Apt. Pkg. Lot #185509-F	6/17/74	112	3609 Simpson	Driveable
	500 Second Ave. Co. Pkg. Lot #195196-F	6/25/74		I-45 Corsicana	Driveable
	4600 Eastside Public St. #175192-F	6/8/74	523	6900 Lemmon	· · ·
	4611 Columbia Apt. Pkg. Lot #177332-F	6/10/74	214	1900 Kidwell	Driveable
	100 N. Carroll Bus. Pkg. Lot #190171-F	6/21/74		DeFuniak Spring Florida	gs, Driveable
	4200 Main Public St. #191442-F	6/21/74	123	3000 Alamo St.	Non-Driveable
	4000 Simpson Pkg. Lot #191610-F	6/22/74	518	4600 Leath	Driveable
	900 St. Joseph Pkg. Lot #171274-F	6/5/74	137	S. Akard St.	· · ·
	3500 Live Oak Sales Lot #179792-F	6/12/74	11.4	3600 Convent S [.]	t.Driveable
	4106 Ross Pkg. Lot #188044-F	6/19/74	122	500 Wood	Driveable
115	4100 Ross Pkg. Lot #189277-F	6/20/74	122	500 Wood	Unk
			R-75-109 B-24		

	and the second	and and a second sec	n new "Ny INSEE Ny INSEE Ny INSEE NG AND
		RS AND SUSPECTS	For Information Purposes Only
	OPERA DEANN	TIONS ANALYSIS SECTION ING AND RESEARCH DIVISION	•
[STED *	DATE: November 1 - 30, 1972	
[CAR	SUSPECT	BEAT - LOCATION SERVICE NUMBER
	" <u>IX</u> - White		326 - 6618 Lucy St #312145
	Lite - 1968 - Skylark - Black/ Lite - 72 Tex. (Veh. reg. to Lice F. Lowery, 5813 Bonnie Ziew Road #2135)	2 C/M's/16-20, 1 red cap and long dark coat	339 - 5717 Bellcrest - #328052-D
Ē	<u>CADILLAC</u> - 1968 - 4-dr White	C/M/early 20's, 5'11", 150#, med. afro, light skin, blue jean jacket, blue jeans; C/M	335 - 3424 Southern C ks #C - #320517-D
[ILLAC - Green - KZY 626	3 C/M's, two were tall, one sitting in car.	516 - 4042 Applegrove St. - #317940-D ,
[[(6 C/M's/Teenagers (Lic. reg. to a '67 Chev. 4-dr Chester Lee Coleman; 3663 Delhi)	339 - 4108 Happy Cany m Dr #306990-D
[ROLET - 1961-62 - Bel Air -	2 C/M's/18-20, 6' 170#, large afro; dark comp., white T-shirts, blue jeans	335 - 3476 Southern Cake #311831-D
Г	ECROLET - 1969 - Impala -	Herbie Manatall W/M Ph# 391-7125	325 - 2104 Bergstrom St. #306695-D
[TOLET - 1967 - Camaro - Trgandy - had a white strip wn the side.	C/M/20's, dark clothes, tall and slender, blue golf hat; C/M/20's, tall and slender	118 - 4070 N. Central Exp #521 - #307858-D
[Stripe	1 1 1	115 - 1320 N. Peak St #310270-D
T	030 HIS - Yellow - CLH 980	* Samuel G. Skibell W/M/24, 10/26/43	231 - 4682 Matiïda #A - #312568-D
L F	1963-64 - White	"Jerry" W/M/23-24	226 - 2615 Maverick - #317288-D
Ĺ	<u>IET</u> - 1967 - Impala - It. Yellow	LA/M, 5'7", goatee and mustache, wearing sport clothes; W/M W/F/20-23 blond	226 - 2630 Heatherwood Dr #324454-D
r		R-75-109	
	, , , , , , , , , , , , , , , , , , ,	B-25	

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1922 M. L. K. Weildeburg, Margala, W. C. and Shares, A. Reparties and Adams. South Street, Statistical Contractors	and an and a state of the state			the second second	and a work with the state of the state of the	ere constant de la realização da compañía de la secon	na na na Sia - Luaina	and a second	and a sub-construction of the	والمراجع	halan oroniaan liteesse soosaa soo ahaan i
									•	•	
					•						
							HITTCOPTER	SCHEDULE			
						lune 1		Juna 21 1078			
				r la		adue r), 1974 (0	oune er, ropo			
						Business Burgl Auto Theft	ary	Residential Burglary		Business Arme Individual	d Robbery Robbery
						<u>11 pm - 7 am</u>		<u>7 am - 3 pm</u>		<u>3 pm - 11 pm</u>	· · · · · · · · · · · · · · · · · · ·
					Saturday 6/15/74	Primary Secondary	500 [°] 100	Primary Secondary	200	Primary Secondary	100 300
						Alternate	300	Alternate	400	Alternate	A Company of the
					Sunday 6/16/74	Primary Secondary	500 100	Primary Secondary	200 300	Primary Secondary	- 100 300
						Alternate	300	Alternate	400	Alternate	400
					Monday 6/17/74	Primary Secondary	500 100	Primary Secondary	200 300	Primary Secondary	300
•				r ⁱ i i i i i i i i i i i i i i i i i i		Alternative	300	Alternate	400	Alternate	400
					Tuesday 6/18/74	Primary Secondary	500 100	Primary Secondary	200 300	Frimary Secondary	300 ····
			- **			Alternate	300	Alternate	•400	Alternate	400
					Wednesday 6/19/74	Primary Secondary	500	Primary Secondary	200 300	Secondary	300
			•		(T)	Alternative	300	Prinare	400	Primary	100
				[]	Thursday 6/20/74	Primary Secondary	100	Secondary	300 100	Secondary	300
					v	Primary	500	Primary	200	Primary	100
					6/21/74	Secondary	100	Secondary Alternate	300 400	Secondary	300 400
				r	11 P.M. to 2	A.M BUSINESS	5 BURGLARY	AND AUTO THEFT		•	
					500's	This area had	l an increas	se in business	burglaries	over the past	two months.
						Bars and ware Northwest Hig	houses appo hway includ	ear to be the ling the west	problem. Fl Dallas area	y the area sou	ith of
					100's	The 110's and	120's are	the problem i	n this area	Several bars	and
		•				restaurants h the coin mach	nave been hi nines are pi	it in this are ried open and	a by prying the money ta	open a door. aken,	Usually
				1	300's	Beats 311 and	1 312 have	been hit hard,	especially	bars and resta	aurants.
						Watch these to the divis:	lon boundar	iy; aiso fiy t y.	ne area iro	n forest Avenue	e north
								R-75-109			
								В-26			

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Start Sum			
	<u>7 A.M.</u>	to 3 P.	M RESIDENTIAL PURGLARY
	200's		In this Division, concent residential burglaries. so far this month. Beats
	300's		In this Division, beats 2 ments. On these two beat portable T. V.'s. The 33 Pay close attention to be
	400's		The area between Hampton one of the hottest areas hit at this time,
	<u> 7 P.M.</u>	to 11 P	.M BUSINESS AND INDIVID
	100's		Drive-in grocery robberie closely, especially in the of the individual robberi robbed on the parking lot
	300's	•	Church's Fried Chicken in five (5) times in the pas Watch this location and s of Lancaster. Individual
	400's	·	Lancaster Road and Ledbet Division. So far, all th these two (2) streets.

trate on beats 221 and 237 for garage thefte and Several offenses have occurred on these two beats s 231 and 234 are down but need to be watched.

242 and 243 have a terrible problem in the apartts watch for suspects leaving apartments with 30's continue to be a problem month after month. eats 333 and 334.

and Lancaster Road needs coverage daily as this is in Dallas. Beats 415, 412, and 422 are the hardest

DUAL ROBBERY

es are picking up this month. Watch these stores e 120's. The 110's and 120's also have the majority ies this month. Watch around bars for people being its.

In the 900 block of Corinth Street has been robbed st.three months, including two (2) this month. some robberies are also occurring down the rest I robberies are occurring around Forest and he bars in this area.

tter are the two (2) streets to watch in this the business robberies have occurred on or around

				1 5	actical Secti pecial Operat	on Lions Divisio	on ·
				F P	Problem # A-	<u>-16-74</u> Sg	uad Assigned A2 &
		· . · · ·			ocation Area	Bounded by:	Beat. 425
					lew Problem:	Continu	ring Problem: X
					bjectives:	To prevent	residence burglaries
	. 0						
	~ *				DATE	TIME	LOCATION
				p/1/74 Monday	7:0)5am-6:05pm	3309 S. Vernon #16 Adra Davis #202416-F
				-7/1/74 Nonday	7:2	20pm	1437 Brook Valley E. C. Anderson #202499-F
				6/10-7 Monday	7/2/74 5:0 /)0pm-9:00am	619 Cak Forest Lavid Anderson #203188-F
				7/2/7L Tuesda	4 6:3 ay	30am-4:00pm	3629 Fawn Valley # Clifton Carrington #203460-F
				7/2/74 1 Tuesda	+ 2:2 ay	25am .	950 W. Kiest #104 Sharon Hawthorne #202929-F
				7/2/74 Tuesda	+ 10 2y	:45pm-11:30pm	n 5210 Lake Placid Mitch Kelley #203982-F
			· ·	Tuesda	4 4:(ay	00pm-11:00pm	822 Meadowheath Linda E. Louden #204042-F
			•	7/4/71 Thurso	4 ll lay	:00am-3:45pm	5233 S. Hampton Booker McGill #205948-F
					DISTRIBUTION:	1 	•
	•				Chief Sout Captain Br Unit Comma 2 Section	.er ryant unders File	Chief Fannin Lieutenant Macsas (Sergeant of Squad A Patrol District Man
							R-75- B-
and and a second se Second second							

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•... Date Return Due: A3 Nature: Residence Burglary Special Event: July 9, 1974 1, 1974 to es and apprehend suspects. TYPE PROPERTY METHOD OF TAKEN ENTRY SUSPECT. stereo set, 9" black D 55 & white TV, coat, .22 cal. pistol, album (1)edger unk . fishing rods, G . #1030 tape deck, 19" black FD & white TV, golf clubs, movie camera (2) \$170.00 W , G bike bike unk • . 9" color TV unk Sgts. Howard/Wafer Sergeant of Police Tactical Section Special Operations Division (P & R) Assigned nagers 5-109 3-28

	DATE	TIME	LOCATION	TAKEN	ENTRY	SUSPECT
	6/22/74 Saturday	7:00pm-10:0):m	3435 Navajo Oren Critchfield #192398-F	lawn mower, tool box, tools	G	
	6/14-16/74 Friday Sunday	5:00pm-10:00	5629 Marblehead James L. Jones #192984-F	unk	G	
j ,	:6/17-23/74 Monday Sunday	8:00am-6:00pm •	lll4 Oak Meadows Orin Kjos #193352-F	lamp, meat	unk	
	6/3-23/74 Monday Sunday	8:00am-4:00pm	3653 Cripple Creek John L. Mann #193261-F	bike	G	
	6/21-22/74 Friday Saturday	1:00pm-6:00pm	5832 Lake Placid Boyd Loyd #19474146-F	unk	D	
	6/19-23/74 Wednesday Sunday	8:00am-unk	5629 Marblehead James Lamar Jones #194786-F	tape carrier, tapes ice cream freezer, 25 color TV, wigs, lawn mower, edger, money, radio, stereo, shot g liquor, silver tray,	G un, food	
	6/24/74 day	11:50am	705 Meadow Heath Tom Peacock #194050-F	bikes •'	G	(10)
	6/26/74 Wednesday	6:30am-2:00pm	832 Greencove J. W. Dulworth #196531-F	lawn mower	G	•
	6/26/74 Wednesday	2:30am-7:55am	1629 Meadow Valley Don Mitchell #196125-F	credit card	unk	
	6/28/74 Friday	6:15am-10:30am	ll37 Misty Glen Guy J. Hunter #198944-F	lawn mower	G	
	6/28/74 Friday	11:00am-10:30p	m 659 W. Pentagon Norma McDowell #199285-F	19" color TV, 19" black & white TV, sewing machine	D	~~
	(1) N/M. N/M.					
	(2) N/M. (N/M/25/5-6	6 to 5-7/skinny,	short hair.	•		
	1 (4) 2/N/M's.		.R-75-109 B-29	• • •	•	
				sectore and a sector of the sector and the sector of the	ಗರ್ ನಿರ್ವಾಹಿಕ್ ನೆಯ ವರ್ಷಗಳ ವಿಶಾಲಕಾಗಿತ್ ಎ. 1	يېرىمە ، ، ، رىبىرىزى مىلىرىمە مىلىرىمە ، مىلىر مىلىرىمە ، مىلىرىمە ، م

(5) N/M/20's, afro, checked shirt. (6) Eddie Maddox, W/M/14, 2200 Myrtlewood. (r, 2/W/M's/16-17. 8) Robert Douglas Crice, Jr., W/M/28, DOB 4-7-45, 4651 Country Creek. (9) Clenn Anthony Richie, N/M/15, 5825 Spring Clen.
 Roger Bernard Johns, N/M/14, 2541 Club Manor.
 William Steve Hudson; N/M/12, 4520 Woodstock. 1-1-1 (10) N/M/10-12/slender, bushy hair, white t-shirt, cut off blue jeans. N/M/10-12/husdy, wine shirt, cut off blue jeans. R-75-109 B-30

CONTINUED 10F2

	No. Robbert	les Percent
	33	21%
he	21	13%
	20	13%
	18	11%
	7	. 4%
	7	4%
	5	3%
	47	<u>30%</u>
	158	. 99%

No.	Percent	
14	15%	
25	27%	
9	10%	
8	9%	
15	17%	
12	13%	
_8	9%	R-75-109 B-34
92	100%	

j K				
		· · · · · · · · · · · · · · · · · · ·		
		By time of day:		
		Time Period	No.	Percent
		1 a.m 9 a.m.	13	14%
		9 a.m 12 Noon	4	4%
		12 Noon - 3 p.m.	10	11%
		3 p.m 6 p.m.	6	7%
		6 p.m 9 p.m.	19	21%
		9 p.m 1 a.m.	40	43%
	and the second s	Total	92	100%
		From the preceding table, t between 6 p.m. and 1 a.m. (64%) of the robberies abov The breakdown by type of bu hours is:	he busiest ti Indeed, sixty e occur in th siness robbed	me period is -four percer is span. I during thes
		Business	No.	Percent
-		. Drive-In Groceries	25	42%
		Service Stations	12	20%
	I III	Drive-In Foods	11	19%
		Grocery Markets	11	19%
		Total	59	100%
		In the preceding table, the all occurred between 9 p.m.	Prive-In Foc. and 1 a.m.	od robberies
		•		
			R-75-109 B-35	
· · ·		• •		

No.	Percent
13	14%
4	4%
10	11%
6	7%
19	21%
<u>40</u>	43%
92	100%

nt se

4			•
the second se	November of	ffenses	as of November 28
l i j	Beat	r	
	110	- 5	(Thurs [2] (1000
	120	- 0 -	(Inree [5] clear
	150	- 5	
×7 =	210	- 13	(One [1] Clear of
	220	- 4	
	230	- 2	
	310	- 6	
	320	- 11	(Two [2] Clear o
	330	- 6	
	410	- 11	(One [1] Clear o
[]	420	- 7	(Three [3] Clear
	430	- 3	
	510	- 2	
	520	- 18	(Two [2] Clear o
	530	- 3	•
S 1 1 1 1 1 1 1			
			R-75
(****** * ** *			E

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		CONCLUS
		Heaviest offenses are occurring areas:
		• 110's
		• 120's
		• 210's
	_ •	• 520's
		 The area in the so of the 410's and o Road in the 420's.
		 Buckner Boulevard 2300 blocks.
		These areas are outlined on the
		As a summary and conclusion, the business type, time of day, and
		Drive-In Groceries:
		The most frequent tin is between 6 p.m. and of the week except We affected. Sixty-one robberies of these bu the above times and o
		Drive-In Foods:
		The most frequent tin is between 9 p.m. and Tuesdays, and Thursda Fifty-two percent (52 of businesses of this above time span, and (73%) of these robber the above mentioned of

USION

g this month in the following

1

southeast section down Lancaster s.

d from the 1300-

e map on the following page.

he following analysis tying in d day of week is presented:

ime span of occurrence and 1 a.m. with all days Wednesday and Thursday we percent (61%) of all businesses fall during I days.

time span of occurrence and 1 a.m. with Mondays, days being favored. 52%) of the robberies his type occur in the d seventy-three percent peries occur during d days.

- 1

the grocery market robberies occur between 9 p.m. and 1 a.m. with no particular day of the week predominant, Mondays between 12 noon - 3 p.m., and Thursdays between

station robberies in the sample occurred on Mondays between 6 p.m. - 1 a.m., and

were hit were robbed by colored suspects. In over two-thirds of these, more than one suspect was involved. It was not unusual to find three or four traveling together. The suspect description as a general rule is: C/M/20's (in some cases a little younger), it is seldom mentioned in the offense report of more than one

The following offenses have occurred in the Northeast District with the

Wears a white sock on his left hand probably to cover a tatoo or deformity

<u>Abduction</u> - 4618 Amesbury, #161, 7/20/73, Service No. 206418. Suspect confronted one girl in the laundry room of the apartments. He forced her back to her apartment where there was two more girls. They were made to disrobe and dance in the nude. He also fondled their breasts. He told them he only wanted to look at their bodies. Then he forced

Criminal Assault - 6012 Sandhurst, #1009, 7/24/73, Service No. 209906. He raped the complainant, them he emptied her purse and her two roommate's purses, but took nothing. He told complainant he had

Burglary - 13530 Maham, #250, 7/27/73, Service No. 213754. When complainant came home, suspect came out of bedroom. He told her not to scream and she wouldn't get hurt. She screamed and he fled. He left ropes, knife, plastic pulls from cords, and a wash towel torn in

Attempt Criminal Assault - Detective Don Burcham of the Richardson Police Department stated that just prior to the burglary at 13530 Maham, they had an attempt criminal assault on Spring Valley with same M.O. and

The following attachment is a portion of our Beat Count. This is prepared for each of the five divisions in the Police Department.

June, 1974

CITY_SUMMARY

<u>May 1974</u>	June 1973
15	25
63	57
55	133
150	128
310	482
73 <u>9</u>	553
1362	1131
612	618
38	42
457	385
858	596
438	358
64	50
589	434
1229	<u>977</u>
6979	5969

in June occurred in business robbery, aggravated assault, residential burglary, auto theft, auto accessory theft, and bicycle theft. Trend bulletins are presently being

only. The statistics were extracted from the daily printout "Reported Crime by

					,	
, i						CITY
				T T		IN-THE-A
				L pm, L		
			2	r lan	The following informat:	Lon on "In-The-/
		,			from the daily Activity	/ Report to the
				×'	Offense	This Month
					Distance Poblery	24
14 21					DUSTNESS ROUDELY	ч.
				- l= -	Individual Robbery	2
					Business Burglary	22
					THETHERE PARSanal	
					Residential Burglary	29
•				l	Auto Theft	43
- - -					The ft /Deman	0
					mer t/ Person	0
				T T	BEMV	14
•.					Auto Accessory Theft	0
					Bicycle Theft	G
				2	BECOM	4
					Chan lift	0
					Subtite	0
					Other Thefts	11
					TOTAL	129
				Ŷ		
				T		
- j G				and a second sec		
				(T		
				1	<u>-</u>	<u></u>

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SUMMARY

ACT ARRESTS

*

Act Arrests" is based on information extracted Chief of Police:

Last Month	Year to Date
1	15
1	7
25	161
15	153
21	215
0	3
11	54
0	0
0	3
3	15
0	0
17	66
94	692

		DIVIS	ION SUMMARY							
	(ALL CRIMES)									
		CENTR	AL DIVISION							
	The Central Division co	omparison of re	ported offenses f	for June, 197						
	Cffense	June 1974	May 1974	June 1973						
	Murder .	5	5	3						
N IN	Rape	7	9	9						
- 4	Eusiness Robbery	18	9	21						
	Individual Robbery	42	. 41	34						
	Aggravated Assault	48	63	89						
່ງ ແມ	Business Burglary	81	102	91						
2 2	Residential Burglary	97	92	90						
· 1	Auto Theft	97	78	108						
	Theft/Person	10	13	13						
	BEMV	72	87	76						
, De 🖷	Auto Accessory Theft	106	110	78						
	Bicycle Theft	24	24	19						
- 1	BECOM	8	10	7						
	Shoplift	142	177	96						
	Other Thefts	217	218	162						
	TOTAL	974	1038	896						

A decrease of 64 offenses or -6.17% occurred in the division in June as compared to May's total. Compared to June, 1973, crime increased by 78 offenses or 8.7%. Types of offenses that do show some increases are detailed in the pages that follow.

manach

74 is as follows:

Last Month	Year to Date
1	6
1	2
4	16
0	13
2	18
0	0
2	5
0	0
0	1
. 0	0
0	0
1	6
11	67

- b,		T 2 M	סבויד	** **>	A 1517	11.4.7	71119	117	41.5	C1()*)	0.000	NOV	5:3/3	
E Esta	1.5.1.1	J !\\	1, 2, D	PIAR	Arr.	EAL.	1011	<u>, UL</u>	AUG	$\frac{5cr}{c}$		1.07	<u>nec</u>	
	111	0	Q	0	<u> </u>	0								<u>l</u>
	112	0		2	1	0								
	113	0	0	0	0	0	4							<u> </u>
F	114	3	0	1	1	2	0							7
n sebe	115	0	0	0	1	0	0							<u>1</u>
- Koga	116	1	0	0	1	0	<u> </u>							2
1	117	2	1	0	1	0	0							4
. t>.	118	3	1	0	0	1	<u> </u>							6
17 (CAD)	ector	9	3	3	6	3	6							30
5 0-1	121	0	0	0	0	0	0							0
	122	0	0	0	0	0	1							1
1 - Littax	123	0	0	0	0	2	0							2
∽ *13⊷	124	2	3	1	0	2	0							8
	125	0	0	0	0	0	3							3
Poare I	126	1	0	0	0	1	1							3
- 1969 - E	7	3	1	2	0	0	- 4							10
22.25	128	0	0	0	0	0	0							0
£.,0	ector	6	. 4	3	0	5	9							27
. 6.454	131	0	0	0	0	0	2							2
* 54.	132	0	1	0	0	1	0							2
	133	1	0	0	1	0	0				 .			2
5 5424 F	134	1	0	0	1	0	0							2
- 10-	135	Ũ	0	0	0	0	1							7.
	136	1	0	1	0	0	0							2
* 15 ⁻	137	2	0	0	0	0	0						<u>├</u>	2
- 10-	138	1	1 0	0	1	0	0		1		<u>}</u>	<u> </u>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Jector	6	1	1	3	<u> </u>	3							15
	TOTAL	21	8	7	9	 9	18							72

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Analysis:

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Business robberies increased slightly from last month. There were no problems experienced this month.

BUSINESS ROBBERY

. P-75-109 B-47

Special Reports

- Examples -

ATTACHMENT I PROJECT CRIME CONTROL - Preliminary Analysis -

PROJECT CRIME CONTROL: PRELIMINARY ANALYSIS

Introduction:

The Dallas Police Department, in an effort to test what effect extra plainclothes policemen would have on the occurrence of residential burglaries in a given area, put into effect in March "Project Crime Control". This effort involved the selection of three similar areas in the city that were subject to approximately equal numbers of residential burglaries over a given time span. For this purpose, Beats 125, 127 and 128 in the Central District were chosen.

The experiment (Project Crime Control) was divided into two initial phases: (1) the Control Period, comprised of January and February; and (2) the Experimental Period, comprised of March and April. During the Control Period, no plainclothes police officers were brought into the areas. The only police in the areas were the normal patrol elements. During the Experimental Period, plainclothes policemen were brought into Beats 127 and 128 to supplement the regular patrol elements there. Boat 125 was left as it was (no additional police) and designated the Control Area. Beats 127 and 128 were termed Experimental Areas. Below is a presentation of the experiment and the data gathered thus far.

Problem:

Does plainclothes police saturation of a given area affect the occurrence of residential burglaries there?

Hypothesis:

Plainclothes police saturation of a given area for a given time period docs reduce the occurrence of residential burglaries there.

Definitions:

Dependent Variable - the number of residential burglarics occurring

or plainclothes officers present supplementing regular patrol ele-

Appropriate working hours for plainclothes police officers

to work (provided by the Operations Analysis Unit, Planning

(7) Conduct the experiment (gather data from the three designated areas before saturation, during saturation, and after saturation).

(8) Repeat the experiment interchanging the experimental and control areas (i.e., the control area then becomes the experimental area and the experimental areas then become the control area).

The chart presented below represents the data gathered for the 1st half of "Project Crime Control". It is the data for steps (1) through (7) of the experiment as outlined in the Procedure above. Only step (8) in the Procedure (the repeating of the experiment reversing the control and experimental areas) remains to be done - and the final

No.	of Reside	ntial Burglar	les
Cor Per	ntrol	Experi Per	nental icd
Jan.	Feb.	Mar.	Apr,
16	7	19	21
8	13	, 12	4
10	12	7	9

. In order to select three areas of the city as much alike as possible.

it was necessary to delete portions of each of the beats selected above in order to achieve the desired homogeneity. Thus, Reat 125 becomes the area bounded by Fitzbugh, the M.K.T. Railroad, Sneed, and Cole; Boat 127 becomes the area bounded by the North Dallas. Tollway, Hall, and Reagan; and Beat 128 becomes the area bounded by Lemmon, Gilbert, Mawthorne, and Knight. To reiterate, not the entire beats but portions of each beat comprise the actual experimental and control areas. For reasons of simplicity, however, the control and experimental areas were referred to in the previous discussions by their beat designations (the beats they lie in - Peats 125, 127 and 128). For simplicity again, the experimental and control areas will continue to be referred to by their beat designations.

The above sacrifice for homogeneity has, however, a drawback. By selecting areas smaller than beats, comparison with last year's residential burglary counts for the same areas is impossible since historical information is only collected geographically by reporting area and beat (the experimental and control areas do not follow reporting area boundaries). Hence, the significance of seasonal variation in the data is unknown. Thus how much of the variation in the data from month to month is due to seasonal causes cannot be determined for the designated areas.

With this limitation in mind, a look at the above chart reveals a strong trend toward fewer residential burglaries in the experimental areas during saturation and at the same time (during saturation of Beats 127 and 128) an increase in residential burglaries in the control area (Beat 125). This is illustrated below.

The change in the number of residential burglaries per area before and during saturation is expressed in the following chart:

Beat	Control Period	-
125	23	٦
127	21 ```	÷
128	22	

· ·

Another way of expressing the same findings as above is to determine the average number of residential burglaries per month in both the Control Period and the Experimental Period and compare these averages for each beat. This yields:

Percent Change By Period

Experimental Period	Percent Change
1+0	+ 73.9%
16	- 23.8%
16	- 27.3%

	•			
Percent	Change	By	Average	No
Peat	Co	onti	col. Peri	od
125			11.5	
127			10.5	

11.0

1.28

The month to month comparisons of the residential burglary counts are as follows:

Beat	Control Period Jan./Fcb.
125	- 56.2%
127	+ 62,5%
128	+ 20.0%

Each of the above charts indicates that a decrease in residential burglaries occurred in the Experimental Areas during saturation while an increase occurred in the Control Area, which is contiguous to the Experimental Areas (the entry in the last cell of the Percent Change By Month table although being + 28.6% represents data that is still less than the corresponding entries during the Control Period - see the initial data chart). Thus, upon mere inspection of all the charts presented in this report, it appears that the hypothesis being tested in the experiment, i.e. saturation of a given area by plainclothed police officers will reduce the occurrence of residential burglaries, is a fair hypothesis and stands a good chance of being supported in the final analysis.

To be considered in that final analysis, however, is the effect of seasonal variation (which must be estimated in this case) and a valid statistical test for the acceptance or rejection of the hypothesis (Chi-Square, for instance).

Conclusion:

The hypothesis being tested in the experiment appears to be supported by the lata collected thus far; therefore, the experiment should be continued and the hypothesis weighed in light of the final data.

of Residential Burglaries Per Period

Experimental Period	Percent Change
20.0	+ 73.9%
8,0	- 23.8%
8.0	- 27.3%

Percent Change By Month

Experimental	Period
Feb./Har.	Mar./Aor.
i populat	
+ 171.4%	+ 10,5%
- 7.7%	- 66.7%
- 41.7%	+ 28.6%


Calculations:

The Chi-Square calculations for the January and February residential burglary data are as follows:

Table 1: f₀ 16 7 8 13 10 12 66 fe f_o - f_e 11 5 -4 -3 2 -1 1 11 11 11 11 <u>11</u> 66 - - $X^2 = \left\{ \frac{(f_0 - f_e)^2}{f_e} = 5.092, \text{ the calculated value of Chi-Square.} \right\}$

The tabular value is gotten from a standard Chi-Square table (see Xerox copy). For the data above, the table is entered under 5 d.f. (degrees of freedom) and 0.05 across the top of the table (a 95% confidence level or 5% chance of error in the hypothesis - a normal error factor) and the tabular value is found to be 11.070. Thus, the calculated value is much smaller than the tabular value and the observed frequency could well have deviated from the expected frequency due to chance or random factors alone.

The Chi-Square calculations for the March, April, and May residential burglary data are:

Table 2:

f _o	fe	f _o - f _e
19	12	7
21	12	• 9
13	12	1
12	12	· 0 ·
4	12	-8
12	12	0
7	12	-5
9	12	-3
12	12	0
109	108 .	·
x ² =	$\sum \frac{(f_0 - f_e)^2}{e} =$: 19.083, th
	▶ ^I e	

$(f_{0} - f_{e})^{2}$	$\frac{(f_{o} - f_{e})^{2}/f_{e}}{}$
25	2.273
16	1.455
9	.818
4	.364
1	.091
1	.091
	5.092

$(f_{0} - f_{e})^{2}$	$(f_{0} - f_{e})^{2}/f_{e}$
49	.4.083
81	6.750
1	.083
0	0
64	5.333
0	0
25	2,083
9	.750
0	0
.	19.083

ne calculated value of Chi-Square.



the calculated value is larger and the difference between the

Kolmogorov-Smirnov One - Sample Test was used. The calculations

Fe	Difference
/109 /109 /109 /109 /109 /109 /109 /109	7/109 16/109 17/109 17/109 9/109 9/109 4/109 1/109 1/109

tween the F₀ and F_e columns. Therefore 17/109 or 0.156 becomes the calculated value for the data above. The expected value is obtained from the formula $D = \frac{1.36}{Vn}$, where D is again the differ-ence between F₀ and F_e and n is the number of data points (109 in this case) and 1.36 is a constant used for a 95% confidence

than the value given by the formula, the two distributions are too different from one another for chance or random variation to have been the only cause for the difference. Therefore something else



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and alternational tests was not all and active agents.

This table shows the black area:

VALUES OF CHI SOUARE (x7)

ei.f.	0.99	0.93	0.95	0.90	0.80	0.70
1	0.000157	0.000528	0.09393	0.0158	0.0642	0.148
2	0.0201	0.0404	0.193	0.211	0.415	0.713
2	0.115	0.185	0.352	0.584	1.005	1.424
4	0.297	0.429	0.711	1.064	1.649	2.195
5	0.554	0.752	1.145	1.610	2.343	3.600

VALUES OF CHI SQUARE (2)

14

the product from a more than an

3						r						1		1
ri.f.	0.99	0.93	0.95	0.90	0.80	0.70		0.50	0.30	0.23	0.10	0.05	0.02	-
1 2 3 4 5	0.000157 0.0201 0.115 0.297 0.554	0.000528 0.0404 0.185 0.429 0.752	0.09393 0.103 0.352 0.711 1.145	0.0158 0.211 0.584 1.064 1.610	0.0642 0.415 1.605 1.649 2.343	0.148 0.713 1.424 2.195 3.600		0.455 1.386 2.366 3.357 4.351	1.074 2.408 3.565 4.878 6.054	1.642 3.219 4.642 5.989 7.289	2.706 4.605 6.251 7.779 9.236	3.841 5.991 7.815 9.438 11.070	5.412 7.824 9.837 11.668 13.338	
6 7 8 9 10	0.872 1.239 1.645 2.098 2.558	1.134 1.564 2.032 2.532 3.059	1.635 2.167 2.733 3.325 3.940	2.204 2.833 3.490 4.168 4.865	3.070 3.822 4.594 5.330 6.179	3.828 4.671 5.527 6.393 7.267		5,348 6,346 7,344 8,343 9,342	7.231 8.383 9.574 10.656 11.781	8.558 9.803 11.030 12.242 13.442	10.645 12.017 13.362 14.684 15.737	12.592 14.067 15.507 16.919 18.307	15.033 16.622 18.163 19.579 21.151	
11 12 13 14 15	3.053 3.571 4.107 4.650 5.229	3.609 4.173 4.765 5.368 5.985	4.575 5.226 5.892 6.571 7.261	5.578 6.304 7.042 7.790 8.547	5.989 7.807 8.634 9.467 10.307	8.148 9.034 9.926 10.821 11.721		10.341 11.340 12.340 13.339 14.339	12.899 14 011 15.119 16.222 17.322	14.631 15.812 16.985 18.151 19.311	17.275 18.549 19.812 21.064 22.307	19.675 21.026 22.362 23.655 24.996	22.618 24.654 25.472 26.873 28.259	
16 17 16 19 20	5.512 6.403 7.015 7.633 8.260	6.614 7.255 7.906 8.567 9.237	7.962 8.672 9.390 10.117 10.851	9.312 10.085 10.865 11.651 12.443	11.152 12.002 12.857 13.716 14.578	12.624 13.531 14.440 15.352 16.266		15.338 16.338 17.338 - 18.338 19.337	13.418 19.511 20.601 21.589 22.775	20.465 21.615 22.760 23.900 25.038	23.542 24.769 25.989 27.204 28.412	26.236 27.587 28.569 30 144 31.410	29.633 30.795 - 32.345 33.687 35.020	
21 22 23 24 25	8.897 9.542 10.196 10.856 11.524	9,915 10,600 11,293 11,992 12,697	11,591 12,338 13.091 13.848 14,611	13.240 14.041 14.848 15.659 16.473	15.445 16.314 17.187 18.052 18.940	17.182 18.101 19.021 19.943 20.857	,	20.337 21.337 22.337 23.337 24.337	23.858 24.939 26.013 27.098 28.172	26,171 27,301 28,429 29,553 30,675	27.615 30.813 32.007 33.196 34.382	32.671 33.924 35.172 35.415 37.652	36.373 37.557 35.968 40.270 41.566	
25 17 25 29 30	12.198 12.829 13.555 14.755 14.953	13 409 14 175 14 747 15 174 1- 116	15 379 16 151 16 928 17.708 11 493	17 292 18 114 18 939 19 758 70 599	19.620 20.703 21.588 72.475 23.364	21.792 27.719 23.547 24.527 25.555		75.336 76.336 77.336 78.336 78.336 28.336 29.336	29,748 30,319 31,391 32,481 33,530	31.795 37.917 34.027 35.139 36.250	35 563 36.741 37.916 39 087 40 256	25 885 40.113 41 337 42 557 43.773	42.856 21.140 45.419 45.593 47.962	4 4 4

ا ما موسید به کار کرد کار کرد کار دروست وروز بود ویوند و برورو کار و دروز در در در در در در کار کار کار در کرد مروز در محمد به کار کرد کار در دروست و برورو کار بیشانید کرد و در محمد محمد با برورو با کار بیشانید کرد. از این از این این این بود بود بود بود بود برورو با با در کار و د میرو در محمد با این ویروز بود کرد و بودها کرد

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ATTACHMENT II

PROJECT CRIME CONTROL

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Introduction:

Early last month a preliminary report on "Project Crime Control" (See Attachment I) was released outlining the approach to be used in determining what effect, if any, plainclothes police officer saturation had on the occurrence of residential turglaries in a given area. Ten steps were listed in the procedure adopted for the project. The preliminary report covered steps (1) through (7) in the procedure and included an analysis of the data gathered for the first half of the experiment. This report covers steps (8) through (10) of the procedure and presents a final analysis of all the data gathered.

Recap:

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To determine whether saturation of an area by plainclothes police officers would have an effect on the occurrence of residence burglaries there, three areas that experienced approximately the same number of residence burglaries in 1971 and were similar in population and housing makeup were selected. Areas within Beats 125, 127, and 123 were chosen. In the first half of the experiment, Beat 125 was designated as the Control Beat (no saturation occurred there), and Beats 127 and 128 were designated as the Experimental Beats (saturation occurred in these two areas). The results (residential burglary data) were gathered, compared and a preliminary analysis made in the initial report.

In the second half of the experiment, Beat 127 was designated as the Control Beat (tactical forces were withdrawn from the area) and Beat 125 was designated as an Experimental Beat (the area was saturated by plainclothes policemen). Beat 128 remained saturated in this half of the experiment also. Thus, the terms of step (8) in the procedure outlined in the ""reliminary Analysis" were complied with:

"Repeat the experiment interchanging the experimental and control areas."

The remainder of this report presents the data gathered in step (8) above in conjunction with the data gathered in the first half of the experiment and continues through the final two steps of the procedure - (9) evaluation of the hypothesis: "plainclothed police saturation of a given area for a given time period does reduce the occurrence of residential burglaries there;" in light of the experimental evidence gathered, and (20) acceptance or rejection of the hypothesis.

PROJECT CRIME CONTROL: FINAL ANALYSIS

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and the second s				Da	ta: No	, of Re	osić 🗂 t	ial Bur	glaries	5 *			

	Control	Period	First Experi	mental Perioù	Second Exper	imental Period
	Jan.	Feb.	Mar.	Apr.	<u>¥</u>	lay
Control Area Beat 125	16	7	19	21	Experimental Are Beat 125	2a 13 .
Experimental Area Beat 127	8	13	12	L;	Control A ca Ecat 127	12
Experimental Area Beat 128	10	12	7	9	Experimental Are Beat 128	ea 12

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^{*}During the Control Period, no police action was taken in Beats 125, 127, and 128 other than normal patrol activities. During the First Experimental Period, Special Operation's tactical forces were asked to saturate Beats 127 and 128 with non-uniformed police officers. Beat 125 was left alone to serve as a Control Area for comparative purposes. During the Second Experimental Period, Beat 127 was made the Control Area (tactical forces withdrawn) and plainclothed police officers used to saturate Beat 125, making it an Experimental Area. Beat 128 was left alone to continue as an Experimental Area.

Data Evaluation:

An examination of the table on the proceeding page shows that residential burglaries decreased in the Experimental Areas and increased in the Control Areas. This would, of course, support the hypothesis being tested. However, the problem arises as to whether it is really police saturation that caused the offense fluctuation or some other cause, possibly chance, but to the nature of the experiment, all the influencing factors could not be carefully controlled as is possible with experiments conducted in laboratories, Thus, to further test the hypothesis during May, an Experimental Area (Beat 127) was made into the Control Area and the previous Control Area (Beat 125) was made into an Experimental Area. As the table reveals, the hypothesis is again supported. Although this considerably strengthens the hypothesis, could these results still have happened due to chance?

To answer the question above, it is necessary to determine what might have occurred in the Experimental and Control Areas had the police saturation not occurred, A fair estimate of this would be that nothing would have occurred, i.e., residential burglaries would have continued to occur in these areas at the same rate as in the past. In fact, the burglary rate increased in March, April. and May in these areas over what it had been in January and February. The residential burglary rate in January and February had been 11 offenses per month in the Experimental and Control Areas and 12 offenses per month in March, April, and May in the same areas. Therefore, if anything, residential burglaries might be expected to increase in these areas during the Experimental Feriod. Thus, expecting the residential burglary count to remain the same during the Experimental Period (March, April, and May) with only chance factors causing fluctuation is a conservative hypothesis. This hypothesis (denoted by H_0) will be statistically compared against the hypothesis that plainclothed police saturation does influence the occurrence of residential burglaries, in fact, decreases them. This hypothesis will be denoted H_1 and is the hypothesis that originally generated the experiment.

The basic statistical test generally used to evaluate experimental data of this sort is called Chi-Square and is denoted by the symbol X^2 . The test involves determining whether a distribution of outcomes (the residential burglary count per month for each beat. in this case) is the same as another distribution of outcomes. the expected distribution. In other words, Chi-Square determines if two distributions are alike or different.

Chi-Square can be used to evaluate the data in this experiment since Ho, the expected hypothesis, states that the expected number

of residential burglaries per month for a given area is a constant distribution given by an average value with any variation from this average due to chance factors only. The alternate hypothesis, H_1 , assumes that police saturation decreases the number of residential burglaries in a given area, i.e., with saturation, the distribution is not constant. Thus, the Chi-Square test can compare the observed distribution (supported by H_1) to the expected distribution (supported by H_0) and determine if there is a difference between them or if they are both the same distribution. If the calculated value of Chi-Square is less than a tabular value found in a standard Chi-Square table, then the data is not strong enough to indicate a real difference in the two distributions and H_0 , the expected hypothesis, prevails. If the calculated value of Chi-Square is greater than the tabular value, then there is a real difference between the two distributions caused by something other than chance, i.e., police saturation, and H_1 , the alternative hypothesis, prevails. The actual Chi-Square calculations are given in Attachment II.

To begin with, an average value was calculated as the expected value for the number of residential burglaries in Beats 125, 127, and 128 for January and February. This average was 11 burglaries per month and was the expected monthly frequency. The observed monthly frequency (the actual burglary counts per beat per month) was then compared against the expected frequency as below:

f _o (act	tual count)	f _e (expected count)
16 7 8 13 10 12 66	(Beat 125 - Jan.) (Beat 125 - Feb.) (Beat 127 - Jan.) (Beat 127 - Feb.) (Beat 128 - Jan.) (Beat 128 - Feb.)	11 11 11 11 11 11 66

Chi-Square was calculated (See Attachment II, Table 1) and the two distributions were found to be similar, i.e., only chance factors caused the fluctuation in f_0 above.

Similarly, for the Experimental Period (March, April, and May) an average monthly value for the number of residential burglaries per beat was calculated and compared to the actual values:

f _o	(actual count)		f _e (expected	count
19 21 13 12 4 12 7 9 12 109	(Beat 125 (Beat 125 (Beat 125 (Beat 127 (Beat 127 (Beat 127 (Beat 127 (Beat 128 (Beat 128 (Beat 128	- Mar.) - Apr.) - May) - Mar.) - May) - May) - Apr.) - May)	12 12 12 12 12 12 12 12 12 12 12 12 12 1		

Chi-Square was again calculated (see Attachment II. Table 2) and found to be greater than the tabular value. Thus, the actual count f_0 differs from the expected count f_p by more than mere chance would allow and H_0 , the expected hypothesis, must be rejected and H1, the alternative hypothesis, accepted instead. Therefore, nonuniformed police saturation of a given area does influence the occurrence of residential burglaries and the experimental data does support the original hypothesis, H1.

jected and H₁ accepted (see Attachment II, Table 3).

Conclusion:

The most important conclusion was that the experiment proved that the idea of plainclothed police saturation does work in reducing residential burglaries, at least in the trial areas. In May when plainclothed police elements were introduced into the area, residence burglaries in Beat 125 decreased by 8 offenses (38.1%) from April's total. By contrast, Beat 127, where plainclothed elements were withdrawn, had an increase of 8 offenses (200.0%) in May over April's total of only 4 offenses. Beat 128, where the extra police elements were allowed to remain for another month, experienced an increase of 3 offenses (33.3%) over April's total.

The experiences in Beats 125 and 127 reflect the conclusion above. Beat 128, however, does not. In March and April, the first two months of police saturation in Beat 128, residential burglaries did decrease. The increase during May, the third straight month of saturation there. might be indicative of many things. Perlaps the burglars were aware of the police pullout in Beat 127, contiguous to Beat 128.

Another more conclusive test than Chi-Souare was also run on the Experimental data and the same outcome resulted, i.e., Ho was re-

If this was so then they might have suspected a similar pullout in Beat 128. Monce, the burglary increase. Or, perhaps, three months in a given area is too long. Whatever, the first two months in Beat 128 were successful and the whole experiment proved to be beneficial in productive police deployment.



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