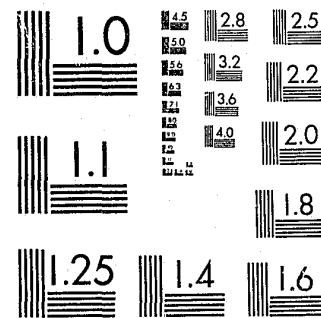


National Criminal Justice Reference Service

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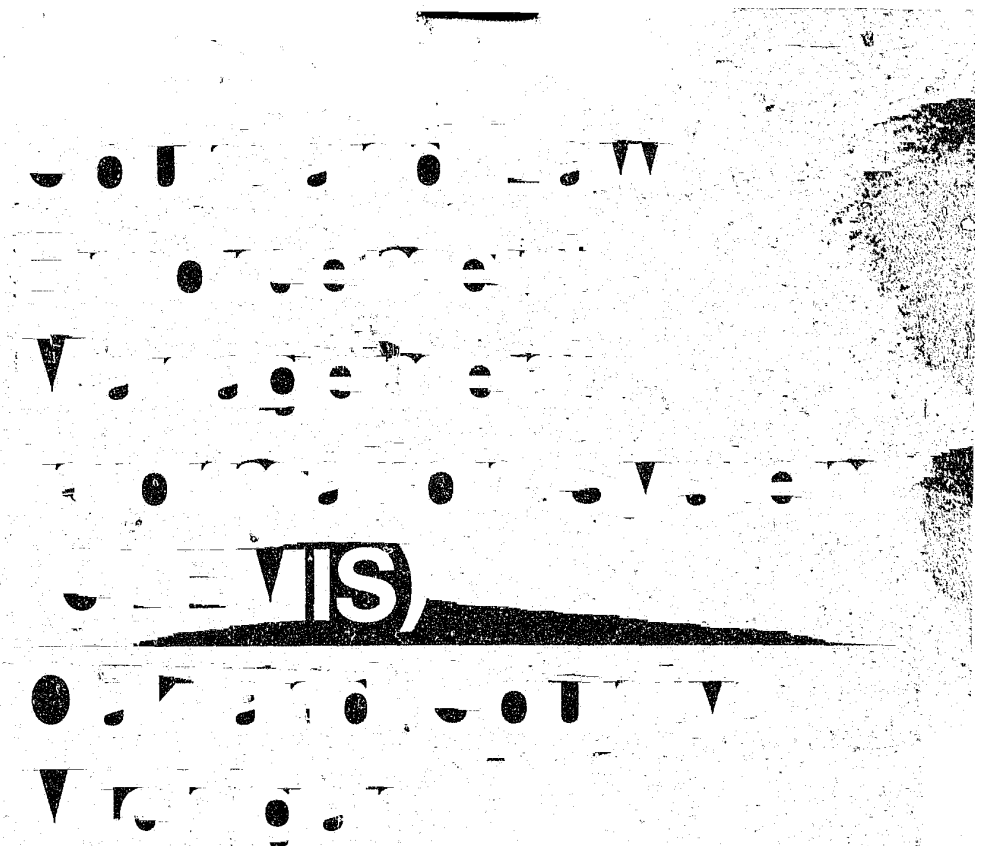
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National Institute of Law Enforcement and Criminal Justice
Law Enforcement Assistance Administration
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Oakland County, Michigan, located just north of Detroit, is a growing suburban area encompassing the city of Pontiac, the county seat, and other smaller communities that are home to about 1 million people. Like many other areas near big cities, the county has experienced many problems associated with rapid development over recent years. The smaller concerns of isolated towns and villages have become larger and more serious, and similar to the difficulties previously identified with life in strictly urban areas. Big-city problems followed urban dwellers to the suburbs – and areas such as Oakland County have had to apply large measures of governmental expertise and creative planning efforts to deal with situations.

Oakland has been successful, particularly in the areas of law enforcement and the administration of justice, in developing solutions to increasingly complex problems of the new suburbia. The government headed by Daniel T. Murphy, county executive, has encouraged the development of two important countywide computer systems (designed and supported by a county data center) that have brought new efficiency to Circuit Court procedures and added strength to the county's law enforcement structure, providing the impetus needed to apply new technology and innovative techniques to nagging administrative problems.

Mr. Murphy believes firmly that county government must play a role in the creation of computer systems that do countywide jobs. "This is where county government belongs," he says, "performing tasks that small communities can't do by themselves, either because they can't afford to do them or because they don't have the necessary technical expertise."

One such system is the Oakland County justice system, which serves the Circuit Court. Another is the recently enhanced court and law enforcement management information system (CLEMIS), a police information network that provides for daily entry of police data and, on the basis of that information, generation of statistical reports on unlawful activity in the county.

Mr. Murphy says that most of the development cost of CLEMIS was borne by the county after a conceptual design was created with the help of a federal grant. "We feel that the cost was well worth the effort, and we now have a very productive system that has saved police departments in the county a great deal of money. All data processing functions covering implementation, salaries, and hardware are performed for all 34 participating departments at a cost of only \$700,000 a year. More important, however, is the fact that we are supplying those departments with vital information they need to do their jobs effectively."

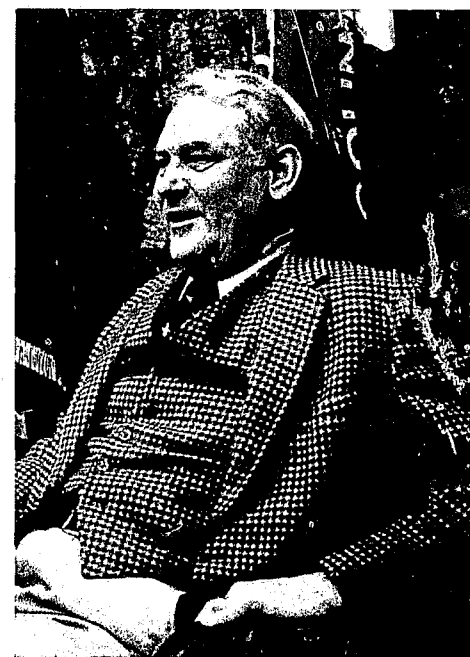
CLEMIS was designed to be used at the first level of government, where all areas of the criminal justice community are functional. These criminal justice agencies – police, courts, prosecutor, probation, detention, and parole – usually operate as autonomous units, obtaining information and maintaining records individually. Their only common factor is the person passing through the process.

CLEMIS is designed to provide the medium for exchange of information by all criminal justice agencies, and its development was mapped out in three phases to cover law enforcement, courts, and corrections. Phase I has been completed, and the computerized network now links 34 of the county's 41 police agencies with a central computer that is maintained by the Oakland County

Computer Services Department in Pontiac. A goal is to have the system cover all police departments in the county. When all phases have been completed, the law enforcement module will interface with Circuit, District, and Municipal Courts, the office of the county prosecuting attorney, and such corrections units as the county jail, local lockups, the county and municipal probation departments, and the state parole office.

CLEMIS is planned to ultimately provide a computerized criminal justice network.

This publication is intended to demonstrate the utility of an IBM product and is not an endorsement of user programs or systems design.



Daniel T. Murphy, Oakland County Executive

CLEMIS Defined

The first phase of CLEMIS development provides Oakland County police departments with an effective technological tool to help deal with crime in their areas. It is built around two IBM System/370 Model 148s, and it utilizes IBM 3270 Visual Display Terminals and printers that reproduce, through inquiry, information stored in computer files.

Outstanding features of CLEMIS are as follows:

- It encompasses a countywide telecommunications network that facilitates gathering and dissemination of police information.
- It operates 24 hours a day, seven days a week, providing constant availability of information in the central data bank.
- It connects with files of the National Crime Information Center (NCIC) in Washington, D.C., the Law Enforcement Information Network (LEIN) of the Michigan State Police and the office of the Michigan Secretary of State (SOS) in Lansing, and the National Law Enforcement Telecommunications System (NLETS) in Phoenix, Arizona.
- Local police may enter arrest and incident information into a central data bank via visual display terminals in their departments.
- Inquiry into Oakland County, state, and national files is accomplished on the same terminals.
- A "package" of printed reports concerning individual departments on the network is offered through the system. State and federal reports are also issued.
- It includes an online name file that serves as an index and reference file for all terminal users.

A Responsive System

Mr. Murphy, as Oakland County executive, was aware as he took office that the county needed some way to help its police agencies cope with population growth and resulting increases in crime and traffic offenses. "We knew that the ultimate answer lay in the use of computers, but we felt that extensive automated systems were beyond our reach," he says. "By studying the situation carefully, however, we found

that we could produce a responsive system by using federal funds and by designing a police communications network that would operate on a cost-effective basis, using the resources of our county computer center. Thanks to abundant technical and administrative talent in the center and to dedicated police officers who saw the value of the computer in their work, we did the job, and we have a system that serves the county well."

Mr. Murphy says that an overriding concern in development of the system was to help local police departments use their manpower more productively by providing them with tools they could not afford themselves. "I'm confident that the system has accomplished that, and much of its success has been due to the fact that during system design, we solicited input on requirements from the police themselves. In effect, we encouraged them to help design CLEMIS, and because we did, they have a system they can call their own to a large degree."

Citing some of the benefits of CLEMIS, Mr. Murphy says that its greatest value lies in the fact that it provides information to police quickly, when they need it most. "Police need what the computer's got," he says "and they can get the information within seconds on terminals. Other information retained by the computer is furnished to them in report form on a regular basis, enabling them to tell, for example, whether crime is moving within their areas, and where crime deterrent measures must be concentrated."

Mr. Murphy says that the computer's ability to pinpoint crime and traffic trouble areas is an asset to metropolitan area police. "Manual compilation of data necessary to map immediate police coverage needs is next to impossible in a heavily populated area, and besides," he says, "even if it is done, the information is available too late to be effective."

Summing up, Mr. Murphy emphasizes, "Our police departments – which remain strictly autonomous even though they are dealing with a countywide system – are enthusiastic about the system and its benefits, and they are constantly looking for new ways to use the information the system provides."

How CLEMIS Grew

CLEMIS answers a need for a police information network that was felt in the early 1970s, soon after Oakland County entered a period of rapid growth. What was then a quiet suburban area, inhabited primarily by relatively few upper-income people, began a sharp trend toward urbanization that would eventually produce a county containing more than 40 governmental jurisdictions by 1978. The new population was highly mobile, using new highways and expressways to travel to jobs, but while the ease of commuting made suburban life more desirable, serious crime spread from congested urban areas to the residential communities of Oakland.

Jack P. Shoemaker, CLEMIS program manager in the County Computer Services Division and former detective with the Detroit Police Department, says that with fast growth, police officials in the county were doing their best to cope with the situation but needed effective recordkeeping and communication facilities. "They were often operating in a vacuum without proper records and without liaison with neighboring police agencies. Before long, some of the more progressive chiefs were asking for help in developing a system that would provide a common repository of police information, feeling that such a system would make their crime prevention efforts more effective. Studies were made, and a grant was received from the federal Law Enforcement Assistance Administration in 1972 for the development of a computerized information network. CLEMIS was thus born."

By 1974, according to Mr. Shoemaker, the system was operating well in a batch mode. It was decided after a system evaluation, however, that to be most effective, CLEMIS data should be available online, and that same year, online terminals were deployed among those departments using the system. Within the next two years, more than 300 modifications were made.

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ACQUISITIONS

"One of the most important additions to the system has been an online name file, into which the names and offenses of all persons processed by all agencies are entered," Mr. Shoemaker says. "The file now contains more than half a million names, and it serves as an index for our larger departments, eliminating for them the need to type up cross index cards for each subject. Using the IBM Alpha Search package, the file greatly simplifies identification of offenders throughout the county who have been previously involved with police."

"Oakland County now has a finely tuned police data network that has paid off in many ways," Mr. Shoemaker asserts. "The advantages are numerous, but the most important result has been an increased ability of our police departments to serve their communities more effectively at a relatively low cost. Some of our larger jurisdictions attribute sharp drops in criminal activity directly to CLEMIS, and all of them have shown that their routine work is now being done more efficiently. We have given them another law enforcement arm that strengthens and extends their capability of serving the public."

"Success of CLEMIS is also due," continues Chief Snell, "in great measure, to the work of the Oakland County Computer Services Division, the county executive and the board of commissioners, and IBM, which helped in the system design and development of software."



Jack P. Shoemaker, CLEMIS program manager in the Oakland County Computer Services Division, is shown in the county data center with John A. Kretsch, a computer operator.

A Cooperative Effort

Robert L. Snell, chief of the Bloomfield Township Police Department, is chairman of the CLEMIS policy committee, which is made up of officials in the criminal justice community, and which provides direction and guidance among users of the data network. Chief Snell says that the system works well primarily because user agencies took part in its design. "Many automated systems in other areas have been designed without much input from the criminal justice agencies that were to use them, and the results were networks that didn't really answer the needs of many different disciplines. We made sure in the beginning that the development of CLEMIS would involve users directly. We wanted it to be a cooperative effort, with large and small departments having equal voices so that we'd end up with a system that would answer most existing needs and that would be easily adapted in the future to meet new situations."



Robert L. Snell, chief of the Bloomfield Township Police Department and chairman of the CLEMIS policy committee, checks an input document with Barbara Campbell, records clerk in his department.

Advantages

Chief Snell cites many advantages of CLEMIS. "One of the most important benefits of the system is its ability to process mandatory uniform crime reports automatically for each user department. These eight-page reports are created from data captured daily in the computer center, and individual departments are spared the laborious task of preparing the reports manually."

"The system is also a vehicle for the preparation of 42 countywide statistical reports that follow standard formats. It would be impossible for most departments to prepare such detailed reports manually on a regular basis. Such standardized reports represent a tremendous benefit throughout Oakland County. They permit us to make accurate assessments of our work and to analyze the true impact of criminal activity and crime prevention efforts. They are also important planning tools."

"Still another vital CLEMIS report summarizes all other listings so that a concise account of arrests, criminal activity, and miscellaneous activity in individual departments can be presented

to city and township officials on one page. This saves everyone a lot of time and provides a more effective avenue of communication between police and the governmental units to whom they are responsible."

Chief Snell cites other advantages:

- Standardized input documents for CLEMIS allow the patrolman to make accurate and meaningful recaps of his arrests or investigations.
- Computer listings derived from such activity reports are used by the patrolman's superiors to assess the quality of his work and to determine time spent on assigned jobs and self-initiated investigations.
- Quick inquiry capability provided by CLEMIS can be an important safety factor in police activity. Answers to queries into local, state, and national computer files are received within seconds on visual display terminals, indicating, for example, whether dangerous circumstances may be encountered at given addresses or whether a person being investigated is considered dangerous.

- Offenders can be located through the use of the countywide online name file. Police departments enter the names of victims and people arrested. They may then query the central data bank for certain information regarding persons, specific crimes, and locations.
- CLEMIS users have an option of receiving biweekly alphabetic listings by name and address or sets of microfiche cards that represent their entries into the name file. This eliminates the necessity of typing index cards and maintaining manual cross reference files.
- Police management personnel use CLEMIS reports on police activity in their jurisdictions to determine patrol districts. This helps police manage an effective deployment of resources as conditions change and as criminal activity moves from one area to another.

The System at Work

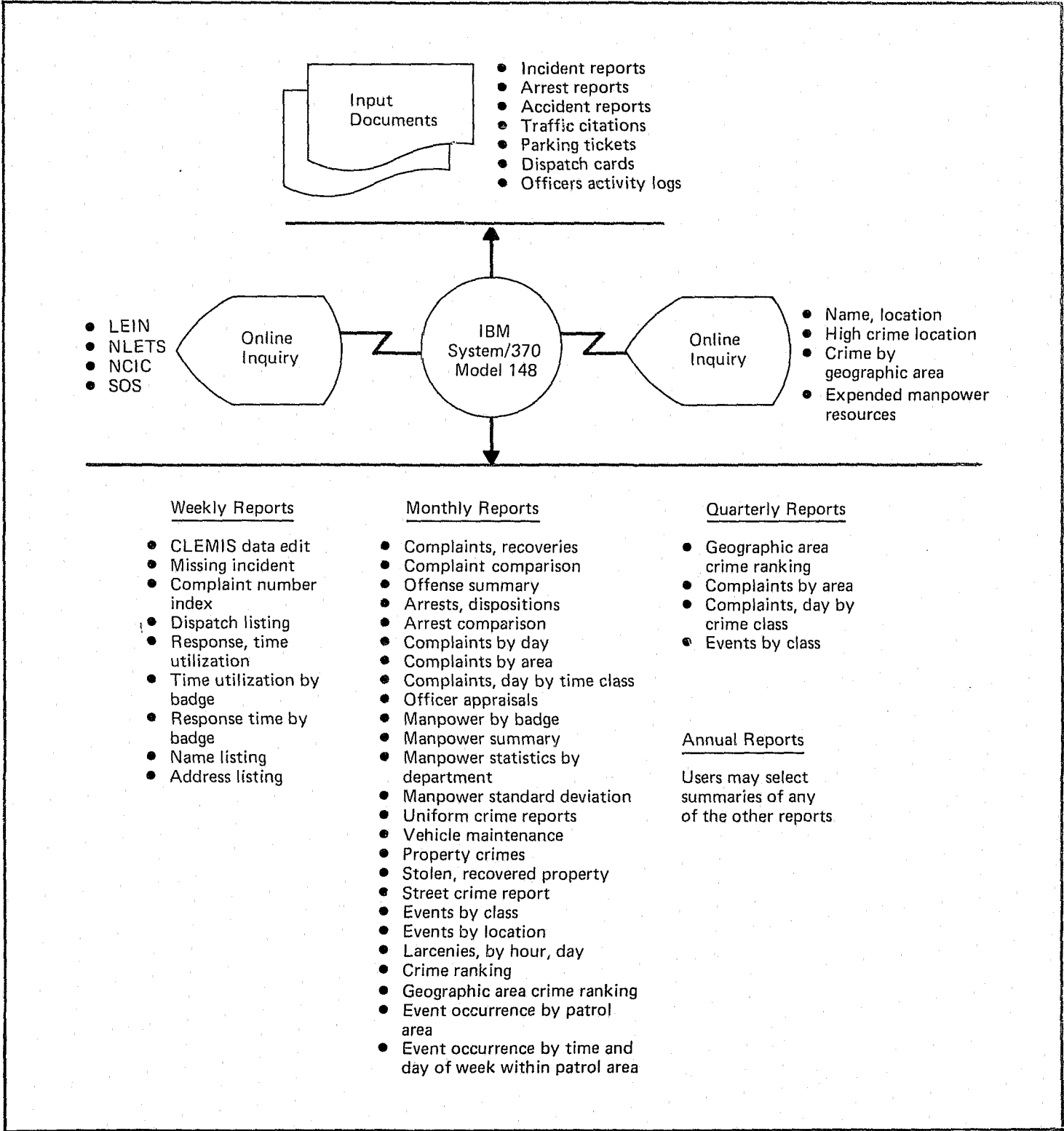
Although CLEMIS produces important information over a broad area, it is basically a simple system that uses data entered from dispatch cards, incident and accident reports, traffic citations and parking tickets on visual display terminals in police headquarters. The same terminals are used to inquire into the common data bank, which is the repository of information entered by all member police departments in Oakland County, as well as data banks maintained by the state of Michigan (the Law Enforcement Information Network and the secretary of state, the National Crime Information Center, and the National Law Enforcement Telecommunications

System). Inquiries into the county computer files are made to determine name and location data, high crime locations, and crime incidents by geographic areas, while inquiries through coordination with other systems are made to check wanted persons and vehicles or stolen property, to obtain criminal histories on individuals, and to check auto registrations, drivers' licenses, and driver records.

CLEMIS develops terminal screen responses and printed reports (routine and special listings) from information entered via online terminals by police departments.



Vickie Kendrick (foreground) and Nancy McGee, data entry clerks in the Pontiac, Michigan, Police Department, key in information from dispatch cards and incident reports on IBM 3270 Visual Display Terminals.



CLEMIS diagram

Data Entry

An activity log format is used by the terminal operator to enter information from each patrol officer's activity log such as tickets, traffic, investigations, building checks, etc. The top portion (see illustration) provides for entry of date, shift, day of week, patrol area, dispatched run, badge number, platoon, car number, starting and ending mileage, gasoline added, and vehicle repair data. The remaining portion is used to enter the area in which the incident occurred, activity classification, patrol area, time of officer's activation, time of completion,

investigating officer's badge number, second officer's badge number, a code to indicate whether the second officer is to receive full credit for an activity, and the number of times the officer performed an activity within a given period.

Another screen is used to enter arrests and/or dispositions. Data fields include an expansion factor for entry of supplemental data and the immediate disposition (held, summoned, released) of the arrested person ("subject"). Much of the data entered on this format, including crime class, immediate disposition, bond data, and age and sex of subject, is required for uniform crime reporting.

** * C L E H I S A C T I V I T Y L O G * **												
DATE	SFT	DOW	PTL AREA	DIS RUN	BDC NUM	PLT	CAR	STAR1 MILES	END MILES	GAS	REPAIR CODE	AMOUNT
999999	9	XXX	XXX	99		99	999	99999	99999	99	99	99999
						99	999	99999	99999	99	99	99999
						99	999	99999	99999	99	99	99999
AREA	CLASS	ACT	PTL	ACTVD	CMPLT	INC	BADGE 1	BADGE 2	CR	COUNT		
9999	9999	X	XXX	9999	9999	X	999	999	X	99		
9999												
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9999												
9999												
9999												
9999												
9999												
9999												
9999	9999	X	XXX	9999	9999	X	999	999	X	99		

Activity log entry format

```

      * * * C L E M I S   A R R E S T   /   D I S P O S I T I O N   F O R M * * *

      A R R E S T   X           D I S P O S I T I O N   X           A R R E S T   N U M B E R
                                99999

      D A T E           S H I F T           D . O . W .           D I S T           S E C T           H O U R           C R I M E
      999999           9           X X X           99           99           99           C O D E           C L A S S
                                99999

      E X P A N S I O N   F A C T O R           D I S P O S I T I O N           W E A P O N           L A W           R E S I S T E D           S U B J E C T
      99   X X X X X X X X           99           9           9           9           A R R E S T           9

      A G E           S E X           R A C E           B A D G E   N O .
      99           X           X X X           999   999
  
```

Arrest-disposition format

Complaints, recoveries, money adjustments, clearances, "unfoundeds", and manpower expended on complaints are also entered on a terminal screen format. The "adjustment" field is used to add or subtract monies previously entered on a complaint or a recovery.

Dispatch card information is entered on a format that generates complaint, manpower, name, and dispatch records

in CLEMIS files. Data entered includes geographic area and patrol area in which the incident or offense occurred; the badge numbers of investigating officers; unfounded, advised, gone on arrival, and clear designations; origin of complaint; complaint location; primary or secondary run (P/S); and data concerning the subject and the times involved.

[illegible]

Complaint-recovery-adjustment entry screen

" " " C L E M I S D I S P A T C H C A R D " " "											
D.O.W.	SHIFT	PLT	RECV BY	CRIME CLASS	COMPLAINT NUMBER	DISPAT- CHER	GEOG AREA	PATROL AREA			
XXX	9	99	999	9999	99999	999	9999	XXXX			
1ST BADGE			2ND BADGE								
999			999								
UNF	ADV	GOA	CLR	AGE	ORIGIN	BLDG	REPORT P/S				
X	X	X	X	99	X	X	X	X	X	X	X
CODE XXXX		SUBJECT: XXXXXXXXXXXXXXXXXXXX									
		ADDRESS: 99999 XXXXXXXXXXXXXXXX " " " " HAIR " " " "									
BIRTH DATE	SEX	RACE	HEIGHT	WEIGHT	EYES	COLOR	LENGTH	STYLE			
99 99 99	X	X	999	999	XXX	XXX	XXX	XXX			
RECEIVED TIME	DISPATCHED TIME		ARRIVED TIME		CLEARED TIME		(MONTH/DAY/YEAR)				
9999	9999		9999		9999		999999				

Dispatch card entry format

Four terminal screen formats are used to enter information on the incident report. A Part I incident report, covering complaints, manpower data, and name records, must always be entered for each incident. After a Part I has been entered, the remaining formats (Part II, person, and property) may be entered in any combination necessary to record all information present on the original report.

The Part II format is used to enter an arrest into the reporting system and a name into the name file, as well as to enter vehicle and property information. Information on persons involved in the incident is entered on the third format, creating arrest and name records in CLEMIS files. As many as three persons may be entered on one format, and additional formats are used to enter additional names. The fourth incident report format provides for entry of stolen and/or recovered motor vehicles and property.

```

INCIDENT REPORT PART I (LINES 1-7 17A+B 18)

01  DATE      SHIFT  DOW BADGE(S)  AUC RPT-TKN  SCD CLASS COMPLT  PRIM
   999999  9      XXX 999 999  X      X      9999 99999  X      X

      * *   T I M E   * *   * * O C C U R R E D * *

02  RPTD DISP ARRV COMPL  DATES      TIMES      HOUR  PLAT
   9999 9999 9999 9999  9999      9999      99      99

03  NATURE OF INCIDENT  LOCATION      PATROL  GEOG AREA
                                XXXXXXXXXXXXXXXXXXXX  9999

04  BUSINESS NAME      BUSINESS ADDRESS      PHONE
   XXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXX  XXXXXXXXXX

05  CODE  NAME - LAST, FIRST, M  CODE  NAME - LAST, FIRST, M
   XXXX  XXXXXXXXXXXXXXXXXXXX  XXXX  XXXXXXXXXXXXXXXXXXXX

06  ADDR  APT  CITY      ADDR  APT  CITY
   99999  XXXXXXXXXX  99999  XXXXXXXXXX

07  HOME PHONE  BUS. PHONE  AGE  SEX  RAC  HOME PHONE  AGE  SEX  RAC
   9999999999  999999999  99  X  X  9999999999  99  X  X

17A-B  FUA  OU  ALARM  PHOTOS  EST-CODE
      X  X  X  X  X

18  TYPE OF  POINT OF  METHOD OF  TOOL/OBJECT  OUTSTANDING
   ETAB/PROP  ENTRY/ATTACK  ENTRY/ATTACK  CHARACTERISTICS
   XXXXXXXXXX  XXXXXXXXXX  XXXXXXXXXX  XXXXXXXXXX

```

Incident report format (Part I)

```

INCIDENT REPORT PART II (LINES 08-17)

08 CODE      NAME      LAST FIRST M      ADDR      APT      CITY      STATE
   XXXX      XXXXXXXXXXXXXXXXXXXX      99999      XXXXXXXXXXXXXXXXXXXX

09 HOME PHON      BUS. PHONE      AGE      SEX      RACE      BIRTHDATE      DRVR LIC NO.      STATE
9999999999      99  X  X      999999      XXXXXXXXXXXX      XX

10 HGT      WGT      EYE      H-CLR-LGTH-STYLE      BUILD      CMLPLN      ID-ARREST      CHARG      FM      LR      HS      R
999  999  XXX      XXX XXX      XXXX      XXXXXX      XXXXXX      9999  X      X  X  X

11 CODE      TYPE      YR      MAKE      MODEL      COLOR1      COLOR2      YR      ST      LIC PLATE
XXXX      XXXXXX      99      XXXXXXXXXXXX      XXXXXXXXXXXX      XXXXXX      XXXXXX      99  XX      XXXXXXXXXX

12 SERIAL NUMBER      VALUE      CONDITION OR OTHER ID
XXXXXXXXXXXXXXXXXXXX      999999      XXXXXXXXXXXXXXXXXXXXXXXXXXXX

13 PROP TAG      VEHICLE LOCATION LKD-KY-IN OFF DPT/PERSON NFD      DATE -- TIME LEO
                                     X

14 CODE      TYPE      QTY      MAKE      MODEL      COLOR1      COLOR2
XXXX      XXXXXXX      999999      XXXXXXXXXXXX      XXXXXXXXXXXX      XXXXXX      XXXXXX

15 YR SIZE      SERIAL NUMBER      VALUE      PROP TAG      LOCATION
XXXXXXXXXXXXXXXX      999999      XXXXXXXXXXXX      XXXXXXXXXXXXXXXXXXXXXXXX

16 CONDITION, CAL, SHOTS, BBL, LENGTH      DESCRIPTION-OTHER ID      LEO
                                     X

17 TOT-STLN TOT-DHGD TOT-RCOV INS.CO/LEIN/BANK      BREATHLYZER      VIOLATION NO.
                                     NEXT INCIDENT FORM 1

```

Incident report format (Part II)

INCIDENT REPORT PERSON (LINES 08-10)														
08	CODE	NAME LAST FIRST M XXXXXXXXXXXXXXXXXXXX			ADDR 99999	APT XX	CITY XXXXXX	STATE XXXXXX						
09	HOME PHONE 9999999999	BUS. PHONE		AGE 99	SEX X	RACE X	BIRTHDATE 999999	DRVR LIC NO. XXXXXX	STATE XX					
10	HGT 999	WGT 999	EYE XXX	H-CLR-LGTH-STYLE XXX YPX XXX	BUILD XXXXXX	CMPLXN XXXXXX	ID-ARREST XXXXXX	CHARGE 9999	FM X	LR X	HS X	R X		
II II II II II I II II II II II II II II II II														
08	CODE	NAME LAST FIRST M XXXXXXXXXXXXXXXXXXXX			ADDR 99999	APT XXXXXX	CITY XXXXXX	STATE XXXXXX						
09	HOME PHONE 9999999999	BUS. PHONE		AGE 99	SEX X	RACE X	BIRTHDATE 999999	DRVR LIC NO. XXXXXX	STATE XX					
10	HGT 999	WGT 999	EYE XXX	H-CLR-LGTH-STYLE XXX XXX XXX	BUILD XXXXXX	CMPLXN XXXXXX	ID-ARREST XXXXXX	CHARGE 9999	FM X	LR X	HS X	R X		
II II II II II II II II II II II II II II II II														
08	CODE	NAME LAST FIRST M XXXXXXXXXXXXXXXXXXXX			ADDR 99999	APT XXXXXX	CITY XXXXXX	STATE XXXXXX						
09	HOME PHONE 9999999999	BUS. PHONE		AGE 99	SEX X	RACE X	BIRTHDATE 999999	DRVR LIC NO. XXXXXX	STATE XX					
10	HGT 999	WGT 999	EYE XXX	H-CLR-LGTH-STYLE XXX XXX XXX	BUILD XXXXXX	CMPLXN XXXXXX	ID-ARREST XXXXXX	CHARGE 9999	FM X	LR X	HS X	R X		
II II II II II II II II II II II II II II II II														
08	CODE	NAME LAST FIRST M XXXXXXXXXXXXXXXXXXXX			ADDR 99999	APT XXXXXX	CITY XXXXXX	STATE XXXXXX						
09	HOME PHONE 9999999999	BUS. PHONE		AGE 99	SEX X	RACE X	BIRTHDATE 999999	DRVR LIC NO. XXXXXX	STATE XX					
10	HGT 999	WGT 999	EYE XXX	H-CLR-LGTH-STYLE XXX XXX XXX	BUILD XXXXXX	CMPLXN XXXXXX	ID-ARREST XXXXXX	CHARGE 9999	FM X	LR X	HS X	R X		

NEXT INCIDENT FORM 1

Incident report format (Person)

```

INCIDENT REPORT PROPERTY (LINES 11-16)

11 CODE TYPE YR MAKE MODEL COLOR1 COLOR2 YR ST LIC PLATE
    XXXX XXXXXXX 99 XXXXXXXXXX XXXXXXXXXX XXXXXX XXXXXX 99 XX XXXXXXXXXX

12 SERIAL NUMBER VALUE CONDITION OR OTHER ID
    XXXXXXXXXXXXXXX 999999 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

13 PROP TAG VEHICLE LOCATION LKD-KY-IN OFF DPT/PERSON NFD DATE -- TIME LEO
    X

14 CODE TYPE QTY MAKE MODEL COLOR1 COLOR2
    XXXX XXXXXXX 99999 XXXXXXXXXX XXXXXXXXXX XXXXXX XXXXXX

15 YR SIZE SERIAL NUMBER VALUE PROP TAG LOCATION
    XXXXXXXXXXXXXXX 99999 XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX

16 CONDITION, CAL, SHOTS, BBL, LENGTH DESCRIPTION-OTHER ID LEO
    X

14 CODE TYPE QTY MAKE MODEL COLOR1 COLOR2
    XXXX XXXXXXX 99999 XXXXXXXXXX XXXXXXXXXX XXXXXX XXXXXX

15 YR SIZE SERIAL NUMBER VALUE PROP TAG LOCATION
    XXXXXXXXXXXXXXX 99999 XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX

16 CONDITION, CAL, SHOTS, BBL, LENGTH DESCRIPTION-OTHER ID LEO
    X

NEXT INCIDENT FORM 1

```

Incident report format (Property)

File Inquiry

CLEMIS designers provided four inquiry formats covering crime ranking by geographic area, event location tracking, expended manpower resources, and name searches. After entry of an inquiry code for crime ranking, a response appears on the visual display terminal screen within seconds, showing first the top crime within each group, and continuing in descending order. The top five geographic areas are listed, and the

remaining areas are grouped under the "other" column heading. Grand totals are also listed.

The second inquiry format provides statistics by time of day in four-hour increments within the day of the week. The data is displayed for a 7-, 14-, or 28-day period, according to the user's option. Column and line totals are included, making it convenient for the user to determine at a glance the day and hours of greatest activity.

POLICE DEPARTMENT				JAN 1978				CRIME PART 2				
CRIME RANKING BY GEOGRAPHIC AREA												
CRIME CLASS	AREA	COUNT	AREA	COUNT	AREA	COUNT	AREA	COUNT	AREA	COUNT	OTHER	TOT
VANDALISM	0202	30	0305	17	0110	10	0215	8	0108	7	21	93
OTHERS	0202	16	0215	7	0305	5	0108	5	0110	3	7	43
ASSAULT	0110	6	0202	5	0305	4	0215	4	0108	4	11	34
DRUNKENESS	0202	5	0305	4	0215	3	0110	3	0000	2	7	24
DRIV/INFL	0215	4	0202	4	0108	4	0305	3	0110	2	6	23
FRAUD	0202	7	0305	3	0110	2	0121	1	0201	1	5	19
DRUGS	0108	5	0110	4	0202	3	0305	2	0215	2	1	17
LIQUOR LAWS	0215	4	0202	2	0305	1					0	7
STLN PROP	0217	2	0110	2	0305	1	0107	1			0	6
WEAPONS	0305	1	0215	1	0202	1	0121	1	0109	1	1	6
ARSON	0214	1	0121	1	0110	1	0104	1			0	4
FORGERY	0202	4									0	4
SEX OFFENSES	0121	1	0109	1	0215	1	0202	1			0	4
DISORDERLY	0104	1	0305	1	0108	1					0	3
FAMILY	0305	1									0	1

Crime ranking display

*** EVENT LOCATION TRACKING ***												
FUTURE CITY				CRIME CLASS 3100 TRAF./VEH. COMPLAINTS								
GEOG. AREA AAAA				DATE 02/10/78		TIME 14.15.20						
	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	UNK.	TOTAL			
24:00-03:59	0	0	1	0	2	1	0	0	4			
04:00-07:59	0	0	0	2	5	3	1	0	11			
08:00-11:59	0	2	3	4	5	6	1	0	21			
12:00-15:59	2	0	4	5	2	3	2	0	18			
16:00-19:59	0	3	1	6+	4	1	4	0	19			
20:00-23:59	1	0	0	0	0	0	0	0	1			
LIGHT	0	0	0	0	0	0	0	0	0			
DARK	0	0	0	0	0	0	0	0	0			
UNKNOWN	0	0	0	0	0	0	0	0	0			
*** TOTAL ***	3	5	9	17	18	14	8	0	74			
+ MOST FREQUENT THIS EVENT CLASS - MOST FREQUENT ALL EVENT CLASSES												
PERCENT OF ALL CRIME CLASS 3100					100.00%							
PERCENT OF PART 3 THRU 8 CRIMES					1.82%							
14 DAY PERIOD BEGINNING WITH 01/26/78												

Event location tracking response

Statistics by specific type of crime, by crime groups for the total department, or by badge or shift, are provided on the expended manpower inquiry response. A calendar month is displayed, listing the number of arrests made or assists, and total incidents handled or assists. The total time spent on the call and the average time per call are also displayed. Statistics shown are for the current month, with the same month of the previous year also shown for comparison.

EXPENDED MANPOWER RESOURCES						
DATE = 02/16/78		TIME = 04/25/30		JANUARY 01 TO JANUARY 31		
DEPT. 000A		SHIFT S3		CRIME CLASS 9997 PART I AND II CRIME		
	ARRESTS	ASSISTS	TOT-INCID	TOT-ASSISTS	TOT-ON-CALL	AVG-ON-CALL
YR 77	54	16	238	63	170.40	.34
YR 76	31	10	286	39	611.50	1.53
% DIFF	74.2	60.0	-16.8	61.5	-72.1	-69.9
IN % DIFFERENCE - A NEGATIVE SIGN = CURR YR TOTAL DOWN FROM PREV YR TOTAL						

Expended manpower display



Tim Reetz, dispatcher in the Bloomfield Township Police Department, uses IBM 3270 Visual Display Terminal to inquire into CLEMIS files.

Name Search

The CLEMIS name search component is basically a name index file designed for the exclusive use of law enforcement personnel on the data network. The file, which contains about 500,000 names, was designed to enable users to query a common data bank for information on persons, business places, and crime. Free-form or formatted inquiries may be made. The first is accomplished simply by entering last name, first and middle name, or business name on the terminal keyboard. A formatted screen provides for entry of applicable parameters (both primary and secondary identifiers) to complete the inquiry transaction.

The inquiry response, once information associated with the name entered is accessed, includes identifying characteristics, crime class (CC), arrest code (AC), identification number (ID), complaint number (CN), department number (DN), disposition (DP), person code (PC), date (DT), and source (SO).

The inquiry program contains a cross-reference table of names that fall into different phonetic groups. When the cross-reference feature is used, these tables are referenced to obtain the variant spelling of the name entered. A "flip-name" feature aids in the location of specific names. When this is activated, all names are displayed, using the first and middle name as entered. Following that display, the first and middle names are reversed, and then all names are displayed as they relate to the new name created.

CLEMIS NAME SEARCH SYSTEM

FILL IN THE APPLICABLE PARAMETERS:

NAME - LAST, FIRST, MIDDLE,

DATE OF BIRTH DB= MM/NN/NN

CRIME CLASS CC= NNNN

ARREST CODE AC= N

DEPT NO DN= XXX

ADDRESS AD= XXXXXXXXXXXXXXXXXX

LAST NAME LIMIT LL= 075 LIMIT = 000 TO 100

FIRST NAME LIMIT FL= 075 LIMIT = 000 TO 100

NICKNAME NK= N Y = GENERATE NICKNAMES N = NO

CROSS REFERENCE CR= N Y = GENERATE CROSS REF NAMES N = NO

FLIP NAMES FN= N Y = FLIP FIRST AND MIDDLE NAMES N = NO

Formatted name inquiry screen

SMITH, JOSEPH

DB=03/23/-8 CH=M/W/601/150/BRN/BLK/ /

AD=01880 BLANE CC=0630 AC=5

ID=9652 CP=44939 DN=751 DP=

NO= 7PC=5 DT=082871 SO=N

Name inquiry response

Reports

The CLEMIS package of printed reports on activity within Oakland County police departments is a highly prized feature of the system. Each department uses the reports for its own analytic purposes, going beyond the immediate intent of the statistical information contained. Chief Snell says that all features of CLEMIS are impressive management tools, but he places extra importance on the reports furnished by the system. "We couldn't begin to hand-tally all the information contained in the reports we receive on a regular basis," he says. "It would take too many people to do the job - many more than we could afford - and even if we did compile similar listings

manually, we couldn't be sure that our figures were accurate. The computer does it all for us, and experience has shown that its compilations are most reliable." Chief Snell says that incidents of crime in his jurisdiction have gone down considerably since CLEMIS has been available. "I can't say that the computer system is totally responsible for the decline, but I am certain that it has helped greatly through the statistics it provides. We use the figures in many ways. The greatest benefit, however, accrues from our ability to spot new or developing trouble areas and then strengthen our crime prevention efforts in those areas. The results have been very satisfying."

Typical of CLEMIS reports that relate crime to particular geographic areas is one that shows the numbers and percentages of incidents in shopping centers, other businesses, schools, residences, apartments, etc. It also shows the times of occurrence and the totals and percentages associated with each day of the week. The monthly report ends with numbers of arrests and the percentage associated with the total number of incidents by crime class. This provides department administrators with the means of evaluating police performance.

CLEMIS POLICE REPORT														
PERIOD COVERED		AUGUST 197X		GEOGRAPHIC AREA CRIME RANKING						PAGE 88				
RUN DATE 09/12/7X								CLEMIS REPORT LPS-581-MO						
DEPT TOTAL		DEPT OTHER LARCENY												
<u>SHOP. CENTER</u>		<u>OTHER BUS.</u>		<u>SCHOOLS</u>		<u>RESIDENCE</u>		<u>APARTMENT</u>		<u>OTHER</u>		<u>TOTAL</u>		<u>PRIMARY</u>
#	%	#	%	#	%	#	%	#	%	#	%	#	%	<u>AVG. RESPON.</u>
7	13	21	40	1	2	11	21	5	9	08	15	53	13.0	3.5
OF CITY														
MINUTES														
TIME		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	UNKNOWN	TOTAL		%		
0-4		2					1	1		4		8		
4-8						1		1		2		4		
8-12		1	3	2	6	3	3	1		19		36		
12-16			5	2	3	4	1			15		28		
16-20		4	3		1					8		15		
20-24		3				1		1		5		9		
UNK														
TOTAL + %		10-019%	11-021%	4-008%	10-019%	9-017%	5-009%	4-008%		53				
<u>ARRESTS FOR THIS CRIME CLASS</u>														
FELONY		% MISDEMEANOR		% TOTAL		% OF CITY								
6		3		9		14.52								

Another monthly report issued by the system, an appraisal for an individual badge number, is used to rate police officers on the basis of productivity. This comprehensive listing also provides an incentive for those officers whose performance may be lagging and helps the department to avoid setting quotas for patrolmen.

CLEMIS POLICE REPORT												
PERIOD COVERED - FROM 08-01-7X												
RUN DATE 09/03/7X												
SELECTED CATEGORIES	APPRAISAL REPORT FOR BADGE NO. 040				MRS REPORT LPS131MO				PERFORMANCE INDEX			
	TOTAL ITEMS FOR BADGE NO. 040		TOTAL ITEMS FOR DEPARTMENT		PROJECTED DISTRIBUTION FOR BADGE NO. 040		PROJECTED DISTRIBUTION FOR DEPARTMENT		FOR BADGE NO. 040		FOR DEPARTMENT	
	THIS MO	Y-T-D	THIS MO	Y-T-D	THIS MO	Y-T-D	THIS MO	Y-T-D	THIS MO	Y-T-D	THIS MO	Y-T-D
DISPATCHED RUNS	88	579	2,854	20,387	66.45	495.48	1.32	1.17				
COMPLAINT REPORTS	61	397	2,357	17,479	54.88	424.80	1.11	0.93				
TRAFFIC VIOLATIONS	11	151	713	5,604	16.60	136.20	0.66	1.11				
ARRESTS - FELONY	3	8	34	289	.79	7.02	3.80	1.14				
ARRESTS - MISDEMEANOR	2	40	173	1,409	4.03	34.24	0.50	1.17				
ARRESTS - JUVENILE	2	9	42	307	.98	7.46	2.04	1.21				
TRAFFIC WARNINGS	18	180	436	4,262	10.15	103.58	1.77	1.74				
BUILDING CHECKS	51	3,750	734	18,522	17.09	450.15	2.98	8.33				
LOCAL ORDINANCE VIOLATIONS	4	20	136	803	3.17	19.52	1.26	1.02				
SERVICE REQUESTS	0	0	0	0	.00	.00	0.00	0.00				
FIELD INTERROGATIONS	0	0	4	19	.09	.46	0.00	0.00				
TOTAL ASSISTS (POLICE & FIRE)	37	294	1,237	9,936	28.80	241.48	1.28	1.22				
TOTALS	277	5,428	8,720	79,017	203.04	1,920.41	1.36	2.83				
AVERAGE INDEX							1.39	1.59				
COVERAGE INDEX							0.97	1.01				
TOTAL PATROL HOURS OF OFFICER 140.98 1134.64												
TOTAL PATROL HOURS OF DEPARTMENT 6054.76 46685.72												
** AVAILABLE HOURS FACTOR .023 .024												
PROJECTED DISTRIBUTION REPRESENTS THE ACTIVITY A MAN WOULD PERFORM IF HE DID HIS PROPORTIONAL SHARE BASED ON HIS ACTIVITIES AND PATROL HOURS VS DEPARTMENT ACTIVITIES AND PATROL HOURS												
** PERCENTAGE OF TOTAL DEPT HOURS WORKED BY THIS BADGE												

Appraisal report

Another performance rating tool shows reponse time by badge number. The report includes the number of minutes taken to answer calls, both by the primary and the secondary types of runs involved.

CLEMIS POLICE REPORT															
PERIOD COVERED 11-01-7X TO 11-14/7X															
RUN DATE 11/14/7X															
PAGE 5 CLEMIS REPORT LPS-620-MO															
RESPONSE TIME BY BADGE NUMBER															
BADGE NO	NMBR OF CALLS	PERSON DISP TO PRIM	ARRV SEC	PROPERTY DISP TO PRIM	ARRV SEC	FIRE DISP TO PRIM	ARRV SEC	ACCIDENT DISP TO PRIM	ARRV SEC	MEDICAL DISP TO PRIM	ARRV SEC	ALARM DISP TO PRIM	ARRV SEC	MISC DISP TO PRIM	ARRV SEC
445	32		2.0		5.5				2.0			2.0	8.0	4.0	3.4
446	2									2.0				11.0	2.0
447	46	6.0		3.0				2.0	5.6			4.3	5.0	2.3	7.3
448	32				12.3				3.0	6.0		2.5		6.5	3.7
449	1														
450	28		1.3		4.7							4.0		6.5	4.0
451	31	2.5	6.0		24.0			2.0		2.0		5.8		2.0	4.7
452	46				9.0				1.5	4.0		2.7		8.3	3.2
453	46	2.5	3.5	4.0	6.5				4.3			2.7	4.0	3.0	7.9
454	25		6.3		15.0			2.0	8.8					6.7	2.3
55	23				0.0			2						2	2.0

Response time by badge number report

The comprehensive nature of CLEMIS is further illustrated by a report on times spent on dispatch calls (complaint incidents) and self-generated activity (activity incidents) for an individual officer.

A similar report provides response and time utilization in minutes by department and shift. This report enables department chiefs to evaluate shifts by call category and by dispatcher.

Each Oakland County police department receives a complaint comparison report that lists all activities and crime for the current month and the current year to date, as well as figures for the preceding year.

CLEMIS POLICE REPORT																			
PERIOD COVERED		AUGUST 197X		BADGE 009		MANPOWER BY BADGE		PAGE 581 CLEMIS REPORT LPS-080-6M											
RUN DATE 09/03/7X		*** ALL TIMES COMPUTED IN HOURS AND MINUTES ***																	
ARRESTS		*****		COMPLAINT INCIDENTS		*****		AVG		** ACTIVITY		INCIDENTS		*****		TOTAL INCIDENTS		AVG	
MADE	AST	INCD	AST	ARRIVE	ON-CALL	ARRV	PER-MAN	CALL	PER-INC	INCD	AST	ON-CALL	CALL	PER INC	INCD	AST	ON-CALL	CALL	PER INC
510 BURGLARY-FORCI. ENTRY		2			.02	1.02	.01	.31							2		1.02	.31	
530 BURGLARY-ATTEMPTED		1			.01	.13	.01	.13							1		.13	.13	
670 LARCENY-FROM BUILDING		1			.01	.22	.01	.22							1		.22	.22	
710 THEFT, AUTO		1			.01	.37	.01	.37							1		.37	.37	
PART TOTAL 1		5			.05	2.14	.01	.27							5		2.14	.27	
840 ASSAULT RESIST OBSTR.	1				.01	1.28	.01	1.28							1		1.28	1.28	
1330 STOLEN PROP. POSSES.	2				.01	3.00	.01	3.00							1		3.00	3.00	
1420 VANDALISM - M.D.G.P.		2			.02	.55	.01	.28							2		.55	.28	
2310 DRUNK AND DISORDERLY	1		1		.01	.01	.01	.01							1		.01	.01	
2690 ORDINANCE VIOL. OTHER										3		.30	.10		3		.30	.10	
PART TOTAL II		4	5		.05	5.24	.01	1.05		3		.30	.10		8		5.54	.44	
2890 JUVENILE CHPLTS. MISC				1	.01	.15	.01									1	.15		
3110 LICENSE, TITLE, REGISTR		1			.01	.24	.01	.24									.24	.24	
3115 ROAD HAZARDS		1			.01	.36	.01	.36							1		.36	.36	
3134 MOTOR CYCLE COMPLAINT		1			.01	.15	.01	.15							1		.15	.15	
3140 TRAFFIC MISC. CHPLTS		1			.01	.18	.01	.18							1		.18	.18	
3145 ACCIDENT - P.D.		1			.01	1.12	.01	1.12							1		1.12	1.12	
3250 MENTAL		1			.01	.15	.01	.15							1		.15	.15	
3255 OCCUPATIONAL INJURIES		1			.01	.30	.01	.30							1		.30	.30	
3302 ANIMAL COMPLAINTS		1			.01	.13	.01	.13							1		.13	.13	
3310 FAMILY TROUBLE		1		1	.02											1	.39	.39	

Manpower expended by badge

CLEMIS POLICE REPORT												
PERIOD COVERED 11-01-7X TO						PAGE 1 OF 3						
RUN DATE 11/14/7X						RESPONSE AND TIME UTILIZATION CLEMIS REPORT LPS-610-MO						
SHIFT . . .	0	1	2	3	4	5	6	7	8	9	AVE	
PERSON												
PRIMARY CALLS	0	4	2	3	2	0	0	0	0	0	3	
CALL-DISPATCH	0	0	0	0	0	0	0	0	0	0	0	
DISPATCH-ARRIVAL	0	3.0	4.5	3.3	4.0	0	0	0	0	0	3.5	
CALL-ARRIVAL	0	3.0	4.5	3.7	4.0	0	0	0	0	0	3.6	
CALL-COMplete	0	89.0	87.0	62.0	153.5	0	0	0	0	0	93.0	
SECONDARY CALLS	0	13	17	28	16	0	3	7	8	3	12	
CALL-DISPATCH	0	2.7	4.4	6.2	1.1	0	0	11.7	.9	0	4.1	
DISPATCH-ARRIVAL	0	5.5	3.9	6.0	4.3	0	5.0	12.0	.6	1.0	5.1	
CALL-ARRIVAL	0	8.2	8.4	12.2	5.3	0	5.0	23.7	1.5	1.0	9.2	
CALL-COMplete	0	49.6	58.2	61.6	58.8	0	15.0	63.9	32.0	107.7	56.5	
PROPERTY												
PRIMARY CALLS	0	1	1	3	1	0	0	0	0	0	2	
CALL-DISPATCH	0	0	0	0	0	0	0	0	0	0	0	
DISPATCH-ARRIVAL	0	3.0	3.0	4.7	3.0	0	0	0	0	0	3.8	
CALL-ARRIVAL	0	3.0	3.0	5.3	3.0	0	0	0	0	0	4.2	
CALL-COMplete	0	37.0	120.0	71.0	157.0	0	0	0	0	0	87.8	
SECONDARY CALLS	0	35	32	61	24	0	6	58	35	1	32	
CALL-DISPATCH	0	12.0	2.4	6.6	9.3	0	0	21.3	2.8	0	9.8	
DISPATCH-ARRIVAL	0	10.0	8.7	8.8	6.9	0	0	10.3	1.1	0	7.8	
CALL-ARRIVAL	0	22.0	11.1	15.5	16.1	0	0	31.6	3.9	0	17.6	
CALL-COMplete	0	62.5	48.8	47.8	47.2	0	2.8	57.1	29.6	60.0	48.5	
FIRE												
PRIMARY CALLS	0	0	0	0	1	0	0	0	0	0	1	
CALL-DISPATCH	0	0	0	0	0	0	0	0	0	0	0	
DISPATCH-ARRIVAL	0	0	0	0	3.0	0	0	0	0	0	3.0	
CALL-ARRIVAL	0	0	0	0	3.0	0	0	0	0	0	3.0	
CALL-COMplete	0	0	0	0	25.0	0	0	0	0	0	25.0	
SECONDARY CALLS	0	0	0	0	0	0	0	0	0	0	0	
CALL-DISPATCH	0	0	0	0	2.0	0	0	0	0	0	2.0	
DISPATCH-ARRIVAL	0	0	0	0	3.0	0	0	0	0	0	3.0	
CALL-ARRIVAL	0	0	0	0	3.0	0	0	0	0	0	3.0	
CALL-COMplete	0	0	0	0	37.0	0	0	0	0	0	37.0	

Response and time utilization report

CLEMIS POLICE REPORT																	
PERIOD COVERED		AUGUST 197X		COMPLAINT COMPARISON REPORT								PAGE 1		CLEMIS REPORT LPS-051-M1			
RUN DATE		09/03/7X															
----- CURRENT MONTH----- CURRENT YTD-----																	
CODE	DESCRIPTION	RPT	UNF	ACT	ACT LAST YR	% DIFF	CLR	% CLR	U-17	RPT	UNF	ACT	ACT LAST YR	% DIFF	CLR	% CLR	U-17
110	MURDER, MAN-SLAUGHTER									1		1	1				
SUBTOTALS										1		1	1				
310	ROBBERY W/ FIREARM	2		2	1	100.0	1	50.0		4		4	10	60.0-	1	25.0	
SUBTOTALS		2		2	1	100.0	1	50.0		4		4	10	60.0-	1	25.0	
410	ASSAULT-GUN	1		1						10		10	3	233.3	5	50.0	
420	ASSAULT-KNIFE, CUTTING				1	100.0-			2	1		1	3	66.7-			
430	ASSAULT-OTH. DANG WEA.	2		2	1	100.0	2	100.0		3		3	1	200.0	2	66.7	
440	ASSAULT-OTH AGGRAV.				1	100.0-				1		1	1		1	100.0	
SUBTOTALS		3		3	3		4	133.3		15		15	8	88.0	8	53.0	
510	BURGLARY-FORCI. ENTRY	17		17	18	5.6-	4	23.5		96	1	95	138	31.2-	19	20.0	
520	BURGLARY-UNLAW. ENTRY	1	1		5	100.0-				5	1	4	16	75.0-	3	75.0	
530	BURGLARY-ATTEMPTED	3		3	8	62.5-				28	1	27	40	32.5-	6	22.2	
SUBTOTALS		21	1	20	31	35.0-	4	0.0		129	3	126	194	35.0-	28	22.0	
620	LARCENY-PURSE-SNATCH.	2		2	1	100.0				7		7	3	133.3	1	14.3	
630	LARCENY-SHOPLIFTING	11		11	14	21.4-	6	54.5		34		34	41	17.1-	29	85.3	5
640	LARCENY-FRM MTR. VEH.	6		6	9	33.3-	2	33.3		56		56	76	26.3-	6	10.7	
650	LARCENY-AUTO	20	1	19	54	64.8-	5	26.3		187	1	186	255	27.1-	16	8.6	
660	LARCENY-BICYCLES	33	1	32	47	31.9-	7	21.9		121	1	120	140	14.3-	15	12.5	
670	LARCENY-FRM BUILDING	24		24	26	7.7-	6	25.0		184	1	183	158	15.8	41	22.4	1
680	LARCENY-FRM COIN MACH												3	100.0-			
690	LARCENY-ALL OTH LARC.	10		10	16	37.5-	6	60.0		83	1	82	79	3.8	13	15.9	1
SUBTOTALS		106	2	104	167	38.0-	32	30.7		672	4	668	755	12.0-	121	18.0	7

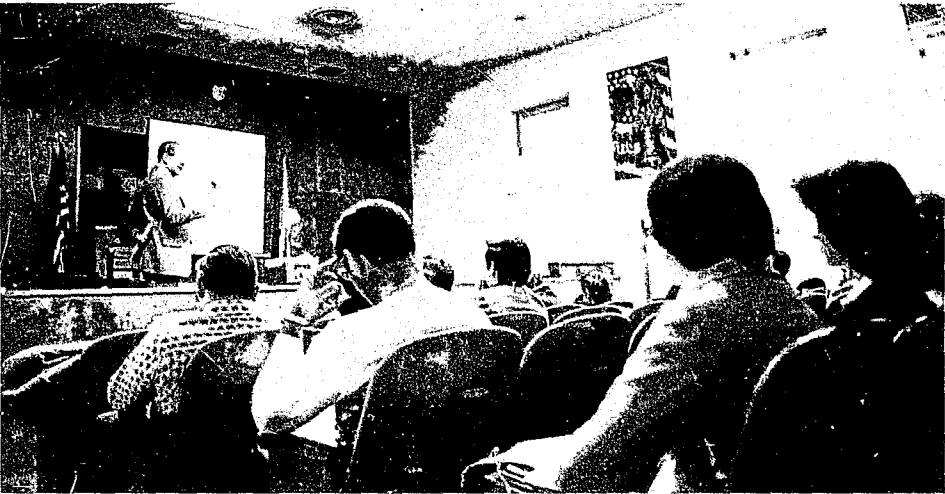
Complaint comparison report

One of the most effective reports issued through CLEMIS is the monthly summary of offenses, which contains a record of all activity for the month within a department. It is used by police chiefs to justify budgets and to back up requests for additional manpower. Other monthly summaries include an arrest comparison report, arrests and dispositions, and complaints and recoveries.

CLEMIS POLICE REPORT										
PERIOD COVERED AUGUST 197X					LPS065MO					
RUN DATE 09/03/7X	THIS MONTH	THIS MO LAST YR	SUMMARY OF OFFENSES CURR Y-T-D	LAST Y-T-D	PERCENT CHANGE	ARRESTS ADULT	THIS MO JUV	ARRESTS ADULT	Y-1-D JUV	
CRIMINAL HOMICIDES	0	0	1	1	.0	0	0	0	1	
FORCIBLE RAPE	0	0	0	0	.0	0	0	0	0	
ROBBERY	2	1	4	10	60.0-	2	0	4	0	
ASSAULT-AGGRAVATED	3	3	15	8	87.5	1	0	3	0	
BURGLARY	20	31	126	194	35.1-	0	0	17	10	
LARCENY	104	167	668	755	11.5-	16	8	68	38	
AUTO THEFT	15	14	91	76	19.7	2	0	5	2	
TOTAL PART I	144	216	905	1044	13.3-	21	8	97	51	
ASSAULTS	9	6	54	48	12.5	0	0	7	2	
ARSON	0	4	9	10	10.0	0	0	2	0	
FORGERY	2	1	10	13	23.1	0	2	4	0	
FRAUD	8	8	82	59	39.0	0	0	0	0	
EMBEZZLEMENT	1	0	2	0	.0	0	0	0	0	
STOLEN PROPERTY	1	3	11	16	31.3	2	0	13	0	
VANDALISM	81	61	468	375	24.8	5	6	14	12	
WEAPONS	0	1	8	7	14.3	0	0	5	0	
PROSTITUTION	0	0	1	0	.0	0	0	0	0	
SEX OFFENSES	2	0	13	9	44.4	0	0	3	0	
NARCOTICS	4	6	26	49	46.9-	3	3	15	11	
GAMBLING	0	0	0	0	.0	0	0	0	0	
FAMILY & CHILDREN	0	1	4	2	100.0	0	0	0	0	
D.U.I.	17	24	143	165	13.3	18	0	145	1	
LIQUOR LAW	3	7	48	49	2.0-	4	0	42	28	
DRUNKENNESS	4	5	42	32	31.3	3	0	40	2	
DISORDERLY	4	6	33	28	17.9	3	0	7	0	
VAGRANCY	0	0	0	1	100.0	0	0	0	4	
ALL OTHER OFFENSES	21	28	219	195	12.3	4	1	18	4	
TOTAL PART II	157	159	1173	1058	10.9	42	12	323	62	
TOTAL PART I&II	301	375	2078	2102	1.1-	63	20	420	113	
TOTAL PART III	1426	1435	10858	10212	6.3	107	0	620	3	
TOTAL PART IV	1	3	21	18	16.7	1	0	13	3	
TOTAL PART V	0	0	1	0	.0	0	0	0	0	
TOTAL COMPLAINTS	1728	1813	12958	12332	5.1	171	20	1053	119	
TRAFFIC VIOLATIONS										
HAZARDOUS	830	762	5673	3902	45.4	0	0	0	0	
NON-HAZARDOUS	84	102	866	620	39.7	0	0	0	0	
PARKING	39	25	267	126	111.9	0	0	0	0	
ACCIDENTS PROP DMG	65	75	717	718	.1-	0	0	0	0	
ACCIDENT PERS INJ	37	34	358	304	17.8	0	0	0	0	
ACCIDENT FATALITY	0	1	5	5	.0	0	0	0	0	

Monthly summary of offenses

An important aspect of CLEMIS is its ability to provide audit trails for activity within departments through weekly reports. One such report is a dispatch listing, reflecting input from dispatch cards. The report is a record of each dispatch run, showing complaint number, times and badge numbers involved, type of crime, geographic area, location, disposition, and date.



Training sessions are conducted regularly in police departments on the CLEMIS network. Program Manager Jack P. Shoemaker, shown here leading a class in a Troy, Michigan, courtroom stresses comprehensive schooling of police personnel as vitally important to the success of CLEMIS. "We explain the purposes and capabilities of CLEMIS to them and give them detailed instruction in its use as a powerful law enforcement tool," he says.

CLEMIS POLICE REPORT													
PERIOD COVERED 10-10-7X TO 10-31-7X										PAGE 7			
RUN DATE 10-14-7X										DISPATCH LISTING			
CLEMIS REPORT LPS-011													
COMPLAINT NUMBER	RECV	DISP	TIMES ARRV	CLR PRIN	SHIFT	BADGES	TYPE	GEOG AREA	LOCATION	DISP	DATE	RPT	ERR
19637	00.36	00.36	00.37	00.47		1 029	SIGNAL X	1600	XXXXXX		0500T77	R	
19638	00.49	00.49	00.52	01.51		1 030	ACCIDENT-	0600	XXXXXXXX X		0500T77	R	
						026	P.D.		XX XXXX				
19639	00.49	00.49	00.50	02.17		1 030	C.U.I.-L.	0900			0500T77	R	
19640	01.24	01.26	01.36	01.39		1 029	MISC.	0500	XXXX XXXXXX		0500T77	R	
							DETAILS		XXXX				
19641	01.42	01.43	01.45	01.48		1 023	FAMILY	2306	XXXX XXXXXX	ADV	0500T77		
						068	TROUBLE						
19642	03.00	03.00	03.01	04.13		1 058	BURGLARY-	2500	XXXXXXXXXX		0500T77	R	
							FORCI.		XXXXXX				
							ENTRY						
19643	03.12	03.13	03.18	03.23	F	1 029	OPEN	2700	XXXXXXXXXXXX		0500T77		
							ALRMS						
19643	07.18	07.19	07.26	08.10		2 049	ACCIDENT-	1800			0500T77	R	
							P.D.						
19644	08.17	08.18	08.32	08.40		2 044	FAMILY	0500	XXXX XXXXXX	ADV	0500T77		
						049	TROUBLE						
19645	08.23	08.23	08.32	08.38	F	2 017	OPEN	0401	XXXX XXX		0500T77		
						026	ALRMS						
19646	08.57	08.57	09.04	09.25		2 044	VANDALISM-	1200	XXXX XXXX		0500T77	R	
							M.C.C.P.						
19647	09.00	09.02	09.09	09.34		2 049	PARKING,	2202	XXXXXXXX XXXX	ADV	0500T77	R	
							NON-						
							METERED						
19648	09.06	09.06	09.11	09.13		2 017	ABANDONED	0700	XXXX XXXX		0500T77		
							AUTO						
19649	09.26	09.26	09.34	09.48		2 026	LARCENY-	2600	XXXX XXXX		0500T77	R	
							ALL OTH.						
							LARC.						
19650	10.11	10.11	10.24	11.06		2 044	THREAT/	2800	X X X XXXX		0500T77	R	
							HARASS						
							CMPLTS						
19651	10.12	10.12	10.22	10.23		2 044	MISC. OUT-	0800	XXXXXXXX XXX	UNF	0500T77	R	
							SIDE FIRES		XXXXXXXXXX				
19652	10.32	10.33	10.37	10.52		2 017	SUSPI-	0200	XXX X XXXXXX	GCA	0500T77		
						026	CIUS PER-						
							SONS						
19653	10.55	10.55	11.10	11.20		2 049	ABANDONED	0601	XXXX XXXXXX	ADV	0500T77		
							AUTO		XXXX XXXX				
19654	11.19	11.19	11.23	11.31		2 017	MISC.	0800	XXXX X XXXXX	ADV	0500T77		
							COMPLAINTS						
19655	12.21	12.21	12.24	12.42		2 049	VANDALISM	2202	XXXXXXXX XXXX		0500T77	R	
19656	12.5			12.50		8			XXXX XXXXXX				

Dispatch listing

Looking Forward

The outstanding success of CLEMIS has generated considerable enthusiasm among participating police departments for future extensions of the system. A major goal is to link all criminal justice agencies in Oakland County to the central data processing facility, providing for a continuous interchange of information through the use of online terminals. This linkage will be accomplished in accordance with the original CLEMIS concept – to involve all court and law enforcement systems in a continuing effort to make the criminal justice system more responsive to public needs.

Specific plans are as follows:

- Development of an online location file that can be accessed 24 hours a day, giving users the means of reviewing activities at given addresses.
- Establishment of a bicycle registration file to combat an increase in bike thefts.
- Development of programs to help evaluate the work of investigative personnel. Present programs cover patrol officers only.
- Creation of new reports, including case status listings showing types of crimes; cases opened, closed, and pending; solutions; and clearance rates by types of crimes and investigators. Investigative trend reports are also planned. These will provide management with data on current police investigations, and make possible projections of future needs in specific areas.
- Use of a field interview file that would remain online for 30 to 90 days, enabling investigators to inquire for witness descriptions in an effort to locate suspects. The file would also be queried by time and location on the theory that suspects may have been stopped previously.
- Development of a police personnel file containing profiles on all officers. Such a file would help place the most qualified personnel in police department jobs.

END