

INVESTIGATIVE SERVICES BUREAU

CRIMINAL INVESTIGATION DIVISION

The Criminal Investigation Division provides investigative services for local, county, state, and federal law enforcement agencies in 73 of Michigan's 83 counties. Fifteen multijurisdictional drug task forces cover 70 of the 73 counties. Statewide programs offered by the Criminal Investigation Division include the Diversion Investigation Unit, Private Security and Investigator Unit, Tax Enforcement Unit, Attorney General Unit, Money Laundering Team and, new this year, the Computer Crimes Unit and the Methamphetamine Investigation Team. Additional services offered by the Criminal Investigation Division include the installation and support of investigative equipment, stolen vehicle investigation and identification, and surveillance and fugitive apprehension.



Training

The Methamphetamine Investigation Team conducted classes in methamphetamine awareness, training approximately 1,700 police officers, fire fighters, and ambulance personnel. This instruction included a Train the Trainer class to teach approximately 75,000 first responders across the state in methamphetamine awareness.

The Auto Theft Unit continued a patrol officer training program started in 1999 to increase auto theft awareness and, during 2000, trained approximately 1,000 officers across the state. On a Friday afternoon, 40 minutes after the class ended, an officer noticed a parked "bobcat" loader. Having just been trained in the identification of stolen heavy equipment, he located the serial number and determined the "bobcat" was stolen.

Significant Cases

In the spring of 2000, the Technical Services Unit was asked by Lansing Police Department and the Ingham County Prosecutor's office to perform video enhancement of three suspects in an armed robbery. The enhancement was successful in identifying one suspect who then confessed, but the two other suspects denied involvement.

The identification of the other two suspects was not possible; however, triangulation measurements were taken to reproduce a three dimensional aspect of the



INVESTIGATIVE SERVICES BUREAU

crime scene which also determined two distinct heights for the two suspects. Each measurement was within an inch of the suspects' actual height. A power point presentation was prepared for courtroom testimony and all suspects were found guilty of armed robbery.

The Auto Theft Unit concluded a five-year, statewide investigation resulting in the recovery of \$600,000 in stolen construction equipment and ten arrests. Two of the several pieces of large construction equipment are shown below.



The Tax Enforcement Team responded to a complaint from Ecorse Police Department officers who advised they had a nuisance business that was a numbers front with no sales tax license. Investigators confirmed the information and developed probable cause for a search warrant. The result was seizure of records indicating tax violations, gaming records for the numbers operation, \$50,000 in cash, and 11 handguns, 4 of which were stolen. The business owner pled guilty to tax violations and was assessed over \$100,000 in taxes for the numbers operation.

The Southwest Enforcement Team was contacted by officers of the South Haven Post who discovered a van on I-96 transporting approximately 1,200 pounds of marijuana. Detectives spoke to the driver who identified two other vehicles transporting a large quantity of marijuana to the Hart area. A surveillance of the suspects in Hart located a second suspect vehicle with a large quantity of marijuana. This vehicle was followed to a migrant camp where another van was found that contained over 800 lbs. of marijuana. A total of 5 suspects were arrested, and 2,012 pounds of marijuana was seized along with several vehicles.



INVESTIGATIVE SERVICES BUREAU

In April 2000, the Flint Area Narcotics Group interdicted a parcel which resulted in the seizure of 48 pounds of cocaine. This seizure led to the arrest and successful prosecution of 5 persons on federal charges including Possession With Intent to Deliver over 650 grams of cocaine.

SOUTHEASTERN CRIMINAL INVESTIGATION DIVISION

The Southeastern Criminal Investigation Division (SECID) is comprised of numerous specialized units staffed by trained, experienced personnel in their particular fields. The primary purpose of SECID is to assist, coordinate, and cooperate with all local, state, and federal agencies within our area of responsibility, including our Canadian counterparts, to reach our ultimate goal: the arrest of criminals. SECID efforts are directed toward the sophisticated criminals in the areas of Organized Crime, Narcotics, Gambling, Auto Theft, Money Laundering, and Computer Crimes.

The southeastern office area of responsibility encompasses the following counties: Monroe, Washtenaw, Wayne, Livingston, Oakland, Macomb, St. Clair, Jackson, Lenawee, and Hillsdale. The division is organized into three major service areas: South Region, North Region, and Central Region.

Narcotics

SECID has seven multijurisdictional drug task forces to detect, investigate, apprehend, and prosecute individuals who traffic in illegal drugs. Each multijurisdictional drug task force is staffed by a combination of state, county, and local law enforcement officers and civilian support personnel.

Downriver Area Narcotics Organization (DRANO)

The Downriver Area Narcotics Organization provides service to the Downriver communities in Wayne County.

After an extensive covert investigation of a known Downriver narcotics trafficker, DRANO executed a search warrant. Evidence seized included 70 tablets of suspected Vicodin, \$3,031 in U.S. currency, and safe deposit box keys. From the safe deposit box, officers seized \$155,300 in U.S. currency along with frozen assets of \$126,000. Further investigation led to a search warrant at Comerica Bank, which resulted in \$294,000 in U.S. currency being seized. Based on confidential informant purchases, an additional search warrant was executed and the evidence seized was 138.07 grams of suspected cocaine and \$1,425 in U.S. currency. The investigation then led officers to a storage unit, which resulted in 6,767.3 grams of suspected cocaine and 1,713.7 grams of suspected marijuana being seized, along with 3 guns. Officers also seized bank records and/or accounts and conducted a search



INVESTIGATIVE SERVICES BUREAU

warrant of another safety deposit box, seizing \$12,950 in U.S. currency, jewelry, pictures, videos and 2 suspected silver bars.

Office of Monroe Narcotics Investigations (OMNI)

The Office of Monroe Narcotics Investigations is a multijurisdictional task force serving Monroe County.

On May 18, 2000, an OMNI officer developed a rapport with a confidential informant who introduced an undercover officer to the managers of a strip club in Toledo for the purpose of purchasing cocaine and ecstasy. The case was worked in conjunction with the DEA in Toledo and several local police departments. The OMNI undercover officer infiltrated the organization and made purchases of over 5 ounces of cocaine from one suspect and over 700 hits of ecstasy from the second suspect. To date, this is the largest purchase of ecstasy by an undercover police officer in Michigan and northern Ohio.

Livingston and Washtenaw Narcotics Enforcement Team (LAWNET)

The Livingston and Washtenaw Narcotics Enforcement Team is a multijurisdictional drug enforcement concept with full-time narcotics enforcement, auto theft, and violent and major crime investigative responsibilities for Jackson, Livingston, and Washtenaw counties.

The 1990's saw the emergence of high-energy, all night dance clubs known as "rave clubs," which feature hard-pounding techno-music and flashing laser lights. Common to rave clubs are "club drugs," a group of synthetic drugs often sold at the club site and used by young club goers. Among the most popular club drugs is "ecstasy" or "love drug," which provides users with the energy and heightened sensory perception most seek to enhance their rave experience.

In late April 2000, LAWNET officers were contacted reference a residence in downtown Ann Arbor suspected of being used as an after hours location to host "rave" parties, and it was reported that drugs were being sold during these parties. A surveillance of the residence revealed large groups of people going into the residence in the early morning hours. A search warrant was executed at the residence where officers observed that the basement area of the residence had been converted into an "after hours club." LAWNET officers identified several subjects at the residence and obtained information concerning an organized group openly selling large amounts of "ecstasy" at the largest dance club in Ann Arbor. The club was reported to be one of three dance clubs in the metro area that was known by club goers as the place to buy "ecstasy." LAWNET officers were able to infiltrate the group at the club and made numerous purchases of "ecstasy" from several members over a six-month period. In late October 2000, 13 felony warrants were obtained for delivery of the drug.



INVESTIGATIVE SERVICES BUREAU



County of Macomb Enforcement Team (COMET)

The County of Macomb Enforcement Team is a multijurisdictional task force serving Macomb County.

The Mount Clemens Demand Reduction Effort is a COMET initiative aimed at eliminating street corner crack sales and crack houses in a specific neighborhood. This is a sting type operation using undercover officers posing as street corner crack dealers.

The success of the project is best demonstrated by the improvement in the target area. Criminal complaints of all types have been significantly reduced, street corner drug sales have been eliminated, traffic is much lighter, and the residents have a safer environment.

Western Wayne Narcotics (WWN)

Western Wayne Narcotics is a multijurisdictional task force serving 18 communities within western Wayne County. The team combines traditional narcotics enforcement tactics with interdiction methods to address in-transit traffickers at local airports, hotels/motels, vehicle rental companies, common carriers, and package/storage facilities.

Sumpter Township Police stopped a male suspect and arrested him for possessing one pound of marijuana. WWN continued the investigation through controlled purchases which resulted in three search warrants. Seized was 7 lbs. of marijuana, \$4,870, and one handgun. This led to a search warrant resulting in 808 marijuana plants being seized, the arrest of the owner of the residence, and the initiation of forfeiture proceedings on the home.



INVESTIGATIVE SERVICES BUREAU

Auto Theft

SECID has five auto theft teams. The main goal of any auto theft program is to detect, investigate, apprehend, and prosecute individuals and groups who commit auto theft related crimes. Types of investigations are highlighted below.

Washtenaw Area Auto Theft Team (WAATT)

This investigation began with a traffic stop and request by an MSP Motor Carrier officer to positively identify a Ford 8000 truck that had no public vehicle identification number. Examination of the vehicle revealed it was stolen. Further investigation resulted in the recovery of several other pieces of heavy equipment with an approximate value of \$300,000 and the issuance of five separate arrest warrants.



Monroe Auto Theft Team (MATE)

On February 22, 2000, MATE executed a search warrant on a business based upon information received from the Monroe County Sheriff Department. Seized in the search warrant were seven pieces of stolen heavy construction equipment valued at \$200,000, along with \$172,790 in U.S. currency suspected to be from illegal sales of stolen equipment and narcotics transactions. The owner was arrested and charged with conducting and conspiracy to conduct a criminal enterprise, operating a chop shop, and seven counts of receiving and concealing stolen property.

Western Wayne Auto Theft Unit (WWAT)

WWAT received a HEAT (Help Eliminate Auto Theft) tip regarding a stolen car ring in the Metro Detroit area. The confidential informant stated that this car ring steals cars by order and delivers them right to the purchaser for about \$2,000 each. Detectives from WWAT were able to set up a buy with one of the subjects and placed an order for a vehicle. Shortly thereafter, the delivery was made and three suspects were arrested.



INVESTIGATIVE SERVICES BUREAU

South Region

Significant Cases

Computer Crimes Unit

The Southeastern Criminal Investigation Division's Computer Crimes Unit was recently formed to answer the growing need of this investigative resource by the law enforcement community. The primary objective of this program is to conduct investigations in which a computer and/or other electronic storage data system can be used by the criminal to facilitate the commission of a crime.

The services provided by this investigative unit include online investigations of child pornography, gambling and prostitution organizations, theft of computer data and intrusions, computer fraud/white collar crime, assistance in the preparation and execution of search warrants, and the proper seizure of computer systems, forensic data recovery, training and public awareness.

Tobacco Tax Enforcement Team

On April 5, 2000, after reports from merchants in the Keweenaw Bay area, an investigation was initiated. Allegations that a company was illegally selling cigarettes to the general public via the Internet and/or mail order were confirmed. The team identified commercial trucking companies delivering the products and seized approximately 2,409 cartons of cigarettes valued at approximately \$74,679.

LAWNET Major Case Team

The LAWNET Major Case Team is a multi-agency investigative team that is directly responsive to "cold cases" of a major nature, originating in Washtenaw County. The keystone investigation for the team in 2000 was the 1982 rape and murder of an 81-year-old woman. Through DNA analysis, a serial killer was identified as investigators also implicated the suspect in a seemingly unrelated rape/slaying of another woman that same year. It now appears that the rape and murder of a third victim will be successfully prosecuted through DNA.



INVESTIGATIVE SERVICES BUREAU

North Region

Significant Cases

Video Enhancement

Personnel from the unit assisted in an investigation of two separate shootings that occurred on the same day. A female was shot in the neck while walking from a motel. The perpetrator attempted to rape the injured female, but failed. Without provocation, the suspect shot a second citizen who was walking nearby. The only description given was that the suspect wore a jersey with some type of number on it. A videotape containing footage of the suspect was obtained from the motel and brought to the unit for enhancement. The tape contained images from several cameras that had to be isolated and enhanced individually. A male subject wearing a University of Michigan football jersey was observed. The subsequent photos were viewed by an Inkster PD narcotics detective who was able to identify the suspect. The suspect was located and ultimately confessed.



Fugitive Team (FIST)

The main focus of the team is to locate and arrest felons wanted for murder, rape, kidnapping, and armed robbery. The services of the Fugitive Team are available to federal, state, county, and local law enforcement.

On March 25, 1998, Inkster PD detectives requested the team's assistance in locating and arresting a murder suspect who had stabbed his girlfriend 50 times and cut her throat. Over the next two years, efforts to locate the suspect were not successful. In April 2000, the suspect's photo was placed on the Michigan State Police web site. This resulted in a phone tip on his location in Atlanta, Georgia. Working with federal authorities, the suspect was arrested. In November 2000, the suspect became the 56th person to be apprehended after having appeared on Michigan's *10 MOST WANTED* list.



INVESTIGATIVE SERVICES BUREAU

Central Region

Significant Cases

Violent Crime Task Force (VCTF)

During the 2000 calendar year, the Violent Crime Task Force conducted over 130 investigations ranging from homicide, kidnapping, criminal sexual conduct, bank robbery, and many other violent offenses.

In April 2000, the bodies of three women were discovered along railroad tracks in the City of Detroit. Each woman was murdered by strangulation and dumped within a 60 foot radius, making it apparent each murder was connected and possibly the work of a serial murderer. After discovering the bodies, a multijurisdictional task force was established and profilers were on location. Based on the collective efforts of the task force, a suspect was identified. Two days later, officers observed a subject matching the description of the suspect and made a traffic stop. The suspect confessed to killing the three women found near the railroad tracks and also confessed to additional murders in the cities of Detroit, Dearborn Heights, and New Port Beach, Virginia.

Select Car Jacking Task Force

The task force was created in 1996 to address an emerging crime problem: the theft of motor vehicles by armed robbery.

In May 2000, members of the Carjacking Task Force identified numerous carjackings occurring in the City of Detroit by suspects using the same method of operation. A mobile surveillance was conducted in the area where each victim's vehicle was recovered. The suspects were located in one victim's vehicle, and a chase ensued. Members of the unit apprehended six suspects, confessions were taken, and several victims positively identified the suspects. The suspects were charged with over 300 felony counts, including conducting a continuing criminal enterprise and conspiracy to commit armed robbery.

Alliance Fugitive Task Force

SECID participates with the Federal Bureau of Investigation and the Detroit Police Department in the search for violent fugitives. The Alliance Fugitive Task Force arrested over 300 persons who were charged with felony crimes during the 2000 calendar year.



INVESTIGATIVE SERVICES BUREAU

REDRUM Homicide Task Force

In January 2000, perpetrators entered a known drug dealer's residence. The occupants of the residence were forced to lie down and were summarily executed. A 4-year old boy was shot and paralyzed during the shooting. Another occupant was hiding in the basement and escaped unharmed. After months of investigation, the case appeared to be headed for the "cold-case" file. The incident was profiled on the news, resulting in several tips from which a suspect was developed. After his arrest, the suspect confessed and implicated an accomplice in the triple homicide.

Gaming Enforcement Section

During 2000, the Gaming Section completed the final background investigation and assisted the Michigan Gaming Control Board (MGCB) in opening the final casino. On Friday, November 10, the Greektown Temporary Casino officially opened its doors to the public to complete the Detroit casino threesome.

With all three casinos open to varying degrees during 2000, the Enforcement Unit of the Gaming Section absorbed a heavier workload and assumed more responsibility. Charged with helping to uphold the integrity of Michigan's gaming industry while providing a safe and crime free environment, the Enforcement Unit affected 285 felony arrests, 8 misdemeanor arrests, 136 fugitive arrests, and assisted numerous law enforcement agencies in following up on major criminal investigations. The majority of the felony arrests ranged from cheating at play, embezzlement, larceny, forgery, credit card fraud, uttering & publishing, carrying a concealed weapon, unarmed robbery, possession of narcotics, to counterfeiting. The misdemeanor arrests ranged from trespassing, disorderly person, minor at gambling, minor in possession of alcohol, to simple larceny.

In November 2000, the Gaming Section investigated an employee at the MGM casino suspected of embezzlement. Working cooperatively with casino surveillance and auditing agents, investigators were able to confirm the theft, interview the suspect, obtain a confession, and recover \$9,700 of the stolen proceeds.

FIELD DETECTIVE DIVISION

The Field Detective Division provides investigative services for local, county, state, and federal law enforcement agencies in each of Michigan's 83 counties. The division has 89 detective sergeants assigned to 59 of the agency's 64 posts, 11 detective sergeants assigned to the agency's 7 district headquarters, and 7 detective lieutenants who oversee daily operations.



INVESTIGATIVE SERVICES BUREAU

In addition to this staff of field investigative personnel, the division has 13 enlisted and 10 civilian members assigned to the Investigative Resources Section. This section is responsible for providing assistance on violent crime profiling, maintaining the agency's Sex Offender Registry, and is the intelligence repository for the department.

The following are examples of investigations in which the Field Detective Division personnel were involved during the year 2000.

- Two individuals were arrested in connection with a four-state safe burglary spree. The pair was suspected of committing 24 burglary/safe jobs in the states of Indiana, Kentucky, and Ohio, along with at least 22 burglary/safe jobs in Michigan. A multijurisdictional task force was formed, and the suspects were apprehended in Hart, Michigan. Over \$20,000 was recovered.
- With the use of a Global PoSitioning tracker, six suspects were identified who are under indictment for their participation in an interstate theft ring. With the assistance of the FBI, field detectives recovered marine stern outdrives, construction equipment, snowmobiles, and ATV's valued in excess of \$100,000. Records seized during search warrants indicated over \$250,000 had been laundered by the theft ring.

FIRE MARSHAL DIVISION

The year 2000 was the first year of relative program stabilization following full implementation of the Executive Order that transferred plan review and inspection programs to the departments of Consumer and Industry Services and Environmental Quality. A continued emphasis on customer service drove increased efforts in the Public Fire Safety Education and Juvenile Firesetter areas as well as a significant increase in services delivered by the Michigan Fire Fighters Training Council.

Fire Marshal Division responsibilities are divided into the following primary areas:

- ◆ Fire Investigation
- ◆ Public Education
- ◆ Juvenile Fire Setter Treatment/Intervention
- ◆ Fire Investigation Training to Locals
- ◆ Michigan Fire Fighters Training Council
- ◆ Fire Incident Reporting
- ◆ Michigan Insured Fire Loss Reporting System
- ◆ Imminent Hazard Abatement
- ◆ Fireworks
- ◆ Training and Education
- ◆ Explosives Permits



INVESTIGATIVE SERVICES BUREAU

Fire Investigation

The division has 19 Specialist Sergeants assigned to fire investigation responsibilities, strategically located at 18 field offices statewide. Division investigators are also responsible for follow-up investigation, detection and prosecution of fire-related fraud, arson awareness training, enforcement of fireworks and explosives laws, response to imminent hazards and consultation to fire and law enforcement authorities.



Sgts. Kathy Taylor and Neal Sweeney conduct a fire investigation to determine the origin and cause.

During 2000, division investigators responded to 960 requests for service and, of this number, 949 requests were for fire origin and cause determination. A total of 130 arrests were made by division and local law enforcement officers for arson and related crimes as a result of these investigations.

The Arson Hotline (1-800-44ARSON) is a statewide program to gather information in regard to arson fires. All tips are recorded and forwarded to the appropriate agency for follow-up. There is a reward of up to \$5,000 for information leading to an arrest and/or conviction on arson charges. The Michigan Arson Prevention Committee funds this reward program and, in 2000, paid out over \$22,000. The tips resulted in 20 arrests for arson-related crimes.

Michigan Juvenile Fire Setter Intervention Program

Nationally, over half of the arrests for arson are juveniles. In Michigan, this number is more than 38 percent and increasing. In response, the Fire Marshal Division implemented a Juvenile Fire Setter Program to assist the fire service in providing intervention and assessment to fire setting children and their families.

Fire Investigation Training to Locals

This program provides specialized fire investigation training programs (Basic Fire Investigation School, Advanced Fire Investigation School, Arson Investigation School, Vehicle Fire Investigation School, Prosecutors School, and Modular and Mobile Home Fire Investigation School) aimed at providing the local investigator with a strong basis for investigating fires. All students of the basic, advanced, and vehicle schools are police or fire personnel who are assigned fire investigation responsibilities. During 2000, the division trained approximately 160 fire and law enforcement personnel.



INVESTIGATIVE SERVICES BUREAU

Michigan Fire Fighters Training Council

The Michigan Fire Fighters Training Council (MFFTC) was established by Public Act 291 of 1966. The MFFTC serves the training needs of the state's 1,075 fire departments and 31,453 fire fighters by preparing and publishing training standards, establishing courses of study, certifying instructors, establishing regional training centers to assist local departments with training, cooperating with state, federal, and local fire agencies to facilitate training of fire fighters, and developing and administering mandatory certification exams for new fire fighters.



In 2000, the MFFTC administered 1,168 courses (+2.6%) and issued certificates to 19,685 fire fighters who successfully completed training (+6.8%). Additional services provided in 2000 included testing and certification of 2,666 new fire fighters (+3.2%) and certification of 769 fire officers at the supervisory, managerial, and administrative levels (+33%).

Fire Incident Reporting

On January 1, 1999, Michigan was the first state to implement the new National Fire Incident Reporting System (NFIRS 5.0). With this implementation, data is entered directly on to the Federal Emergency Management Agency (FEMA) Internet server. This means reduced cost and increased capability. In 2000, 1,008 fire departments (93% of the departments in the state) participated in the system on either paper or electronic media. The number of fire departments filing electronically has increased to 61%.

In 2000, 170 civilians and three fire fighters died as the result of fires in Michigan. This is a decrease from 1999; however, residential fire deaths are still too high. With the ever-improving data provided by the new NFIRS 5.0 incident reporting system, we will continue to examine the reasons for these catastrophic fires.

Imminent Hazard Abatement

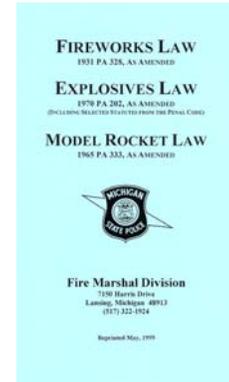
The division provides an effective and efficient response in order to investigate and abate any dangerous condition beyond the capability of local government. Situations include barrels of unknown product washing up on shore, a fire at a warehouse containing radioactive materials and other dangerous chemicals, dangerous and explosive chemicals located in a school storeroom, railroad and water shipping accidents resulting in large fires and releases of dangerous products. Fire Marshal Division personnel have the authority to take command and manage the incident to a successful and safe conclusion.



INVESTIGATIVE SERVICES BUREAU

Fireworks

The Fireworks program provides interpretation of the fireworks law, support for enforcement of the law, public awareness information, statistical data about incidents, and technical assistance in identifying legal devices. It also distributes a pocket guide to fire and law enforcement agencies in Michigan.



Explosives Permits

The Explosive Permits program provides support to federal, state, and local law enforcement agencies for explosives enforcement and maintenance of a statewide database of explosive permits. During 2000, the database recorded 488 Permits to Purchase and 107 Records of Sale. This database is available to law enforcement for researching explosive sales anywhere in the state.

FORENSIC SCIENCE DIVISION

The division is comprised of seven laboratories and ten additional locations that provide polygraph testing services. State-of-the-art forensic laboratory services, including crime scene investigation, drug analysis, document examination, polygraph testing, latent print examination, DNA analysis, toxicology analysis, blood/alcohol analysis, firearm and toolmark examination, arson evidence analysis, and serology and trace evidence analysis are provided to division clientele. Division employees also appear in court to provide expert testimony regarding the evidence and analytical procedures used. Scientists in the laboratory system are continually updating their analytical skills and capabilities to meet the ever-developing technological advancements in forensic science.

Division Activity

<u>Unit</u>	<u>1999</u>	<u>2000</u>	<u>% CHANGE</u>
Narcotics	25,914	29,095	12.3
Latent Prints	10,491	11,664	11.2
Firearms	2,154	2,761	28.2
Trace Evidence	2,844	2,713	-4.6
Biology	3,144	4,048	28.8
Questioned Documents	465	474	1.9
Toxicology	13,653	14,837	8.7
CODIS Samples	2,356	2,737	16.2
Polygraph	2,831	2,660	-6.0
TOTALS	64,300	70,989	11.2
Crimes Scenes	167	160	-9.1
Bombs/Explosives	378	291	-23.0
Court	820	870	6.7



INVESTIGATIVE SERVICES BUREAU

Grayling Laboratory

Continued development of the latent print digital image enhancement system has increased capabilities in entering latent prints and searching over 1.5 million digitized fingerprint images in the Automated Fingerprint Identification System (AFIS). Digital enhancement technology developed at the Grayling Laboratory has been implemented throughout the Forensic Science Division.



Grayling Laboratory

Sterling Heights Laboratory

Personnel from the Sterling Heights Laboratory assisted in the death investigation of a female from Hazel Park. The victim was in her bedroom when she received a fatal gunshot wound to the head. Her husband stated that he had been in the bathroom next to the bedroom at the time of the incident and, upon hearing the gunshot, ran out of the bathroom and discovered his wife dead of a “self-inflicted” gunshot wound. Personnel from the Sterling Heights Laboratory processed the scene, which revealed inconsistencies in statements made by the husband. The laboratory findings moved the investigation from a suicide to a homicide, with the husband as the primary suspect. Trace amounts of “high-speed” bloodspatter were discovered on the sleeve of the husband’s shirt. Extensive testing revealed that the type and location of the bloodspatter could only have occurred from the shirt being in “very” close proximity to the victim’s head at the time the firearm was discharged. These findings contributed to a first-degree murder warrant being issued for the husband.



INVESTIGATIVE SERVICES BUREAU

Bridgeport Laboratory

The Bridgeport Laboratory purchased and installed the "SICAR" footwear database. The reference database contains over 3,000 images of footwear and soles of footwear. These images enable the analysts to search footwear impressions found at a scene of a crime against a reference file of known footwear. It has been very successful in helping scientists identify the type of shoe worn by the perpetrator. Analysts have input several hundred footwear images acquired from shoe stores. These images are searchable, and the manufacturer is encoding them into a new and updated database available to all users of the system. Analysts have also input images of 127 suspect shoes and 35 crime scene impressions since the system was installed in October 2000.

Grand Rapids Laboratory

In January 2000, the Firearms Unit added a state-of-the-art automated identification database system called NIBIN (National Integrated Ballistics Information Network) to its arsenal of crime fighting tools. NIBIN uses advanced technology to digitally capture, store, and compare microscopic markings present on fired cartridge cases and fired bullets. At this time, the NIBIN database is networked to five State Police regional laboratories and the Detroit Police Department Crime Lab. In the future, it will be networked nationally so investigations can be linked across the country. During its first year of operation, three shooting cases have been linked using the system.

The DNA/Biology Sub-unit completed installation and validation of the Combined DNA Index System (CODIS) during 2000 and entered several cases for searches. DNA profiles from two separate individuals were obtained from the mouth of a soda bottle left at the scene of a breaking and entering. The profiles matched two different suspects on two different cigarette butts from two unrelated crimes. In addition, DNA profiles were obtained from the grip and trigger areas on a firearm used in a homicide and on the clothing of four suspects in an abduction and murder. In both instances, the indisputable evidence led to convictions. Also, a DNA profile was obtained from a cigarette butt left at the scene of a homicide **29 years** after the crime was committed!

Northville Laboratory

The Northville Biology Unit started performing specialized DNA testing on casework in January 2000. In addition to working on current DNA cases, the lab performed DNA testing on 15 old unsolved homicide and sexual assault cases. Two of these cases were from 1982 and involved the rape/murder of two elderly females. Re-examination of original evidence was performed, and DNA profiles matching the suspect were identified. Another unsolved case involving the rape/homicide of a prostitute in 1991 yielded a DNA profile that matched a new suspect in that case. With the exception of one or two unsolved cases where no DNA



INVESTIGATIVE SERVICES BUREAU

profiles were obtained, all of the evidence profiles were entered into CODIS for comparison at the state and national level.

Marquette Laboratory

The drug caseload at the Marquette laboratory climbed an unprecedented 29.6 percent this year. Marijuana continues to be the clandestine drug of choice in the Upper Peninsula with cocaine coming in a distant second. Dihydrocodeinone follows along with methylphenidate (Ritalin) and a resurgence of Methamphetamine.

Innovative thinking by local law enforcement officers and state-of-the-art latent print technology was instrumental in solving a breaking and entering in the Upper Peninsula. In an attempt to stop repeated break-ins, officers from the Ontonagon County Sheriff Department planted a clean glass jar partially filled with coins in a cabin. A deck of cards was left with the jar to make it look like gambling money. Several days later the camp was entered by an unknown subject who took the money, leaving the jar. An evidence technician was able to lift several prints from the glass jar. With the use of the Automated Fingerprint Identification System, the latent print unit was able to develop a suspect who was subsequently arrested and charged with breaking and entering.

