



Regional Computer Forensics Laboratory Annual Report for Fiscal Year 2013



RCFL

FOREWORD

This report chronicles the accomplishments and progress of the Regional Computer Forensics Laboratory (RCFL) Program for Fiscal Year 2013 (FY13), which covers the period from October 1, 2012, to September 30, 2013.

FY13 marked the fourteenth year of operations for the RCFL Program, with 16 laboratories operating nationwide. On November 2, 2012, the RCFL Program opened its first transitional laboratory in Topeka, Kansas. This laboratory expands the digital forensics service infrastructure in the state of Kansas. Initially managed as part of the RCFL program, the Topeka Lab will transition to full state of Kansas control after a start-up and training period.

With 16 RCFLs and one transitional RCFL open for business, the program's focus remains one of maintaining operations in a challenging fiscal environment, while providing the highest quality digital forensics services and training to the law enforcement community. Although Federal budget cuts from sequestration impacted our program, the RCFL laboratory directors and their teams worked hard to minimize the impact. Also, this year, we were able to continue the tradition of providing an annual webinar that reaches thousands of participants, by broadcasting an event about a new and evolving technology, social media and its role in digital evidence.

As always, we extend our thanks and appreciation to the participating agencies that make up the RCFL Program and for the continued support of the FBI. In particular, we thank outgoing FBI Director Mueller, who was a program supporter, and welcome new FBI Director Comey. It is only through partnerships that our program can continue to thrive in strengthening law enforcement's digital forensics capacity. We look forward to building on our past successes while exploring new ways to strengthen law enforcement's digital forensics capabilities in the neighborhoods where we work and live.



Shelia Teague, Unit Chief
RCFL National Program Office



"Work is performed at the highest level of quality"

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1.0 INTRODUCTION

This document highlights the Regional Computer Forensics Laboratory (RCFL) Program's accomplishments in fiscal year 2013 (FY13), which covers the period October 1, 2012 to September 30, 2013.

An RCFL is a full-service digital forensics laboratory and training center devoted entirely to the impartial analysis of digital evidence in support of criminal or national security investigations. It is a cooperative arrangement between the Federal Bureau of Investigation (FBI) and other law enforcement agencies of federal, state, and local governments operating within a limited and specific geographic area. There are 16 RCFLs in the National Program.

Services

RCFL services include –

- Pre-seizure consultation and onsite seizure collection
- Duplication, storage, and preservation of computers and computer-related evidence
- Prompt, accurate, and impartial forensic examinations of digitally stored media
- Consultation on digital forensic matters
- Courtroom testimony.

Highly-trained examiners can address most types of digital evidence, including computers, cellular telephones, tablets, Global Positioning System (GPS) devices, and loose media. A growing number of laboratories also have video and audio capabilities. Self-service kiosks are now available at all RCFLs, allowing investigators to preview seized cell phones, smart phones, and loose media, which has provided faster results to investigators and reduced backlog at the labs. Work is performed at the highest level of quality. Thirteen RCFLs are accredited by the American Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD/LAB), either in its Legacy Program or in the ASCLAD/LAB-International Program using the newer International Organization for Standardization (ISO) certification process.

Oversight

Each RCFL is overseen by two entities:

- The **RCFL National Program Office (NPO)**, an FBI component established in 2002 to manage and oversee the national program. It manages the program funding, provides the equipment, and supports the communications, training, facilities, and information technology needs of the RCFLs.
- The **Local Executive Board (LEB)** comprised of executives from the law enforcement agencies that participate in a specific RCFL. Participating agencies have one or more of their personnel working at an RCFL. Members of this board advise on the operations and oversight of an RCFL.

Participation

An RCFL is a partnership between the FBI and other law enforcement agencies operating within a geographic region. Organizations that enter into a Memorandum of Understanding with the FBI become participating agencies in the RCFL. In this capacity, they detail their staff to work in the laboratory, and in return, they and their personnel receive the following:

- Access to digital forensics examination and advisory services.
- Seven weeks of sophisticated technical training.
- Compensation of overtime worked paid through Asset Forfeiture Funding.
- Broad experience in a variety of digital forensics disciplines.

RCFL detailees receive the same training and certification that is provided to the FBI's Computer Analysis Response Team (CART). Many RCFL examiners cite the opportunity to obtain the prestigious CART certification and follow-on training as one of the greatest benefits of joining the program. The FBI invests \$15,700 in their first year, \$12,800 in the second year, and \$5,000 each subsequent year, per new examiner.



2.0 PARTNERSHIP

Participating Agencies

RCFL staff members are detailed from 130 participating agencies. The executives of these agencies serve on the LEBs of each of the RCFLs. The program could not operate without this generous support.

New Participating Agencies

The RCFL Program welcomed nine new participating agencies at six RCFLs in FY13.



Chicago RCFL

- Aurora Police Department
- Berwyn Police Department



Intermountain West RCFL

- Davis County Sheriff's Office



New Jersey RCFL

- Monmouth County Prosecutor's Office



New Mexico RCFL

- Homeland Security Investigations



Orange County RCFL

- Los Angeles County Sheriff's Department
- Los Angeles Police Department



Rocky Mountain RCFL

- Lakewood Police Department
- Littleton Police Department

FBI Digital Forensics and Analysis Section (DFAS) Components

The RCFL Program could not be successful without leveraging programmatic, technical and training innovations and support from other FBI DFAS components:

- **Forensic Analysis Unit (FAU)**—which manages the Cell Phone Investigative Kiosk (CPIK), Loose Media Kiosk (LMK), and Mobile Lab programs, develops the ImageScan and DriveQuest preview tools, manages the CAIR program, manages the program that provides the forensic network, and provides program management for specialized examiner certifications.
- **Forensic Operations Unit (FOU)**—which manages the database that RCFLs use to capture performance statistics and coordinates on large case support. FOU also coordinates the training and certification program that all RCFL examiners must successfully complete.
- **Forensic Support Unit (FSU)**—which manages the program to test and validate the tools used at RCFLs, coordinates the Digital Evidence Laboratory quality assurance program, and supports RCFL efforts to prepare for accreditation.
- **Cryptologic and Electronic Analysis Unit (CEAU)**—which examines evidence submitted by the RCFLs that is technically challenging—often involving encrypted or protected data on digital media. CEAU has also provided advanced training to several RCFL examiners to help expand field capabilities. This year CEAU provided substantial and invaluable support to the Social Media and Digital Evidence webinar.
- **Forensic Audio/Video and Image Analysis Unit (FAVIAU)**—which supports RCFLs by providing training on video and image analysis and by providing examination services and testimony for technically challenging cases.
- **Investigative Analysis Unit (IAU)**—which conducts complex digital analysis using advanced innovative techniques and technologies.
- **Digital Analysis and Research Center (DARC)**—which provides investigative capabilities and support to the FBI's Violent Crimes Against Children Program aimed at combating child sexual exploitation.

3.0 FY13 PROGRAM ACCOMPLISHMENTS

Despite substantial budget cuts faced by the RCFL program in FY13, dedicated teams at the 16 RCFLs continued to examine thousands of terabytes of evidence and achieved several important milestones.

- The value of the self-service kiosks was proven again this year. Area law enforcement officers use the kiosks to preview cell phones, smart phones, and many types of loose media. More than 15,000 of these devices were previewed in FY13, or, on average, 57 each workday. The availability of these tools is a win/win—investigators retrieve data more quickly and the work is done in a forensically sound way; highly-trained RCFL examiners can focus their efforts on more complex examinations.
- RCFLs continue to process thousands of terabytes of data each year—in FY13 5,973—despite the increased kiosk use.
- The program's first transitional laboratory in Topeka, Kansas opened thanks to the combined efforts of the Heart of America RCFL, the FBI, the Kansas Bureau of Investigation (KBI), Shawnee County, Kansas Sheriff's Office and Topeka, Kansas Police Department. The opening of this laboratory, which, within a few years, will transition to full KBI control, fulfills a goal envisioned when the RCFL Program was first launched and one that the National Advisory Board had advocated.
- RCFLs remained at the forefront of ensuring operations meet rigorous standards set by the scientific community. Seven RCFLs achieved ASCLD/LAB International Program accreditation this fiscal year, joining two other labs already accredited in International. Requirements are based on International Organization for Standardization (ISO) 17025-2005 standards and ASCLD/LAB supplemental requirements. Five additional labs are scheduled for the International Program assessment in FY14. Thirteen of the 16 RCFLs had previously achieved Legacy accreditation.
- For the fifth time, the RCFL Program invited law enforcement officers from around the world to attend a digital forensics training webinar, aimed at reaching the broadest possible audience. The live, virtual event on Social Media and Digital Evidence, that was co-sponsored by the FBI's CEAU and broadcast live from the FBI Academy studio, was viewed by 1,655 participants from 45 states and 15 countries.
- RCFLs were called to support important cases both inside and outside their service areas. For example, staff from six RCFLs and the RCFL National Program Office provided a range of support to help process the flood of evidence submitted in the initial phases of Boston Marathon bombing investigation. In a time-sensitive and high-profile investigation into the murders of public officials, the North Texas RCFL's training room was converted to examination space and then review space for federal, state, and local investigators on the Digital Crime Analysis Position (DCAP) system. The OCRCFL fielded its mobile laboratory to support the manhunt for former LAPD officer Christopher Dorner.
- The program's first RCFL, San Diego, moved to its modern 12,100 square foot facility in the new San Diego FBI Field Office. The team completed the complex move, one that involved six semi tractor trailer loads of gear containing thousands of pieces of forensic equipment, furniture, disconnecting and reconnecting networks, and transferring evidence in six calendar days. The SDRCFCL was closed for business for only three work days.

In FY13, the SDRCFCL moved into the new San Diego field office building (pictured here).



First Transitional Laboratory Opens

The FBI, state of Kansas, and local law enforcement officials held a press conference on November 2, 2012 to commemorate the opening of the Topeka Satellite Regional Computer Forensics Laboratory (RCFL). The new laboratory, housed at the Kansas Bureau of Investigation (KBI) Headquarters in downtown Topeka, is the first satellite facility affiliated with the Heart of America RCFL (HARCFL) in Kansas City and the first-of-its-kind transitional laboratory in the FBI's RCFL Program.

Built entirely with Kansas state funds, the Topeka Satellite RCFL is initially operating under the direction of the HARCFL. After three to five years of stewardship, the lab will transition to full state control as a KBI laboratory. The KBI and the Topeka Police Department are detailing staff to the facility, and an experienced examiner from the Shawnee County (Kansas) Sheriff's Department will be detailed from the HARCFL. The FBI provides operational funding, training, equipment, and oversight. The lab will address most types of digital evidence including computers, cell phones, tablets, GPS, and loose media.

Michael Kaste, Special Agent in Charge of the FBI's Kansas City Division, KBI Director Kirk Thompson, and Kansas Attorney General Derek Schmidt all spoke of the value of the new lab and the partnerships that were instrumental in creating it. "The ability to build on the success of an established RCFL in Kansas City and to be able to provide those services in an off-site capability affords law enforcement another powerful tool in the fight against crime,

Topeka, KS Transitional Lab opening. The individuals from left to right are as follows: Overland Park, KS Police Chief and HARCFL LEB Chairman, John Douglass; Topeka, KS Police Chief Ron Miller; KBI Director Kirk Thompson; FBI SAC Michael Kaste; Kansas Attorney General Derek Schmidt; and Shawnee, KS Sheriff Herman Jones.



said SAC Kaste. "The KBI was created to protect Kansans and to assist local law enforcement in that calling," said Director Kirk Thompson. "This satellite regional computer forensic facility will do precisely that—it will help meet the demand for digital forensic work in investigations across Kansas." Attorney General Derek Schmidt said. "This first-of-its-kind laboratory demonstrates the commitment and cooperation of our local, state, and federal partners in meeting the growing need for computer forensic analysis. The governor and the Kansas legislature are to be commended for supporting this critical public safety project."

FBI's Mobile Laboratories: Bringing the Power of a Digital Forensics Laboratory to the Field

The Orange County RCFL and North Texas RCFL are proud to be two of six sites nationwide to host an FBI mobile digital forensics lab or "M-LAB". The lab's purpose: to provide onsite digital forensics support to critical FBI and partner agency investigations. The M-LAB Program is sponsored and funded by the FBI's Digital Forensics and Analysis Section, as part of its ongoing efforts to provide the highest quality digital forensics support to law enforcement.

An M-LAB provides full digital forensic processing and examination capabilities "on the move" and in the field. Examiners can process, in real time, evidence found on standalone computers, computer servers, and all types of mobile computing devices such as cell phones, smart phones, tablets and loose media storage systems found during the course of a breaking investigation.

Although each of the FBI's M-LABs has custom features, the basic design is similar. A 35-foot cargo van is custom-outfitted with state-of-the-art computer workstations, an area for mobile device processing, and a high-capacity server that can be rolled out of

The Orange County RCFL M-LAB.



the M-LAB and into a real-time search site. The M-LAB server can also be connected to target computers by fiber optic cables, using a custom “on-board” generator system, and other specialized equipment.

Seven More RCFLs Attain Prestigious ASCLD/LAB International Program Accreditation

Since its inception, the RCFL Program has maintained an unwavering focus on quality. Before there were accreditation programs in the nascent computer forensics discipline, the FBI’s CART program, along with RCFLs, followed a rigorous quality assurance program. When ASCLD/LAB added computer forensics to its Legacy accreditation program, RCFLs began to seek accreditation. Thirteen of the sixteen laboratories sought and attained accreditation.



When ASCLD/LAB launched its International program accreditation for Digital and Multimedia Evidence, the RCFL Program set a goal of having its laboratories meet these international standards

of forensic practice that cover areas such as management, operations, personnel, procedures, equipment, physical plant, and health and safety procedures.

The accreditation process involves an intensive, external, independent review that evaluates the qualifications of all laboratory personnel; the laboratory’s operational and technical policies, practices, and procedures; and the laboratory’s quality management system. Accreditation is awarded for four years, but each year, ASCLD conducts annual surveillance visits and requires reporting on conformance.

- In November 2009, the North Texas RCFL was the first RCFL to attain International program accreditation.
- In May 2012, the New Jersey RCFL was accredited.
- In FY13, seven additional RCFLs—Silicon Valley, Orange County, Philadelphia, Rocky Mountain, San Diego, Heart of America, and Intermountain West— followed suit.
- Preparation is underway for six additional labs to undergo the assessment process in FY14 and FY15.

Credit for the success of these efforts goes to the full staff at each RCFL and to the FBI DFAS Quality Manager, and the Quality Managers at each laboratory.



HARCFL staff at the Lab’s Accreditation Ceremony. Left to Right: Front Row—Thad Winkelman; Amy Corrigan; HARCFL Deputy Director Todd Taylor; Quality Manager Cindy Smith; HARCFL Director Lou Ann Stovall; Amber Cole; Second Row—Mark Rice; FBI Intern Ryan Hamilton; Lee Turner; David Lee; Dean Brown; Melissa Sackett; Sheila Ruzick; Third Row—Ian Pennington; Richard Nixon; Stephen K. Schmidt; Bill McGuire; Mark Johnson; Mike Schneider; Dan Friesen; Jason Steinke; Richard Gatewood and Brandon Smith.

BY THE NUMBERS

DIGITAL FORENSICS SERVICES	FY13	FY12	FY11
Agency Requests: Number of agencies that received RCFL assistance.	826	842	766
Service Requests Received: Number of requests for assistance received by all RCFLs.	6,040	5,060	6,318
Field Services: Number of onsite operations conducted by law enforcement for which RCFLs provided assistance.	603	533	689
Examinations Completed: Number of digital forensic examinations completed by RCFL personnel.	7,273	8,566	7,629
Terabytes Processed: A terabyte (TB) is a unit of measurement for data storage capacity equipment to 1,024 gigabytes. One TB is roughly equivalent to the information in 1,000 encyclopedias.	5,973	5,986	4,263
Examiner Testimony in Court: Number of times RCFL Examiners testified in court and/or at hearings. This does not include subpoenas to testify when testimony was not required.	83	101	97

KIOSK SERVICES	FY13	FY12	FY11
Total Kiosk Use: Number of times law enforcement officers used the CPIK, LMK, and VCPK.	15,452	13,566	8,553
 Cell Phone Investigative Kiosk (CPIK) Usage: The collective number of times law enforcement officers used the CPIK at RCFLs to review cellular phones in support of investigations.	9,774	8,795	5,956
 Loose Media Kiosk (LMK) Usage: Number of times law enforcement officers use the LMK to review loose media at RCFLs in support of investigations.	4,090	3,665	1,683
Virtual Cell Phone Kiosk (VCPK) Use: Number of times law enforcement officers used the VCPK* to remotely review cellular telephones from their agencies or in support of investigations.	1,588	1,096	914

PROGRAM SERVICES	FY13	FY12	FY11
Training Conducted: The number of law enforcement personnel trained at RCFLs and online (including the RCFL Program webinar) in various digital forensics techniques.	4,764	6,500	5,727
Program Products/Educational Materials Distributed: Number of copies of program and educational materials (e.g., manuals, webcast DVDs, field guides, bookmarks) distributed.	N/A**	3,058	6,767

* The Virtual Cell Phone Kiosk is only available through the HARCFL

** The number of Program Materials Distributed was not tracked in FY13

4.0 TRAINING IS KEY

The RCFL Program—both individual RCFLs and the RCFL National Program Office—offers a range of training and education programs for law enforcement officers, prosecutors, and this year, members of the public and the scientific community. Courses cover topics related to seizing and handling digital evidence, using FBI-developed preview tools, and understanding digital forensic examination results. RCFLs do not offer training on conducting digital forensic examinations. In FY13, these training programs included:

- In-classroom forensic courses offered to more than 3,000 law enforcement officers as a part of regularly scheduled classes hosted at state-of-the-art RCFLs.
- A first-of-its-kind education event for the RCFL Program in which the OCRFCFL and FBI Los Angeles partnered with the National Academy of Sciences.
- The second digital forensics conference for prosecutors hosted by the HARCFL.
- A virtual webinar, the RCFL Program's fifth, on Social Media and Digital Forensics, and attended by more than 1,600 government participants from around the U.S. and the world.

Ongoing RCFL-Sponsored Training

Individual RCFLs offer a variety of training classes to members of their local law enforcement community. Offerings differ depending on the laboratory but generally include courses such as:

- Seizing and Handling Digital Evidence. Law enforcement officers learn how to recognize digital evidence and then how to handle it when legally seized.
- ImageScan and DriveQuest. Participants get hands-on training in using FBI-developed preview tools.
- Case Agent Investigative Review (CAIR). Law enforcement officers who have submitted evidence to the RCFL for forensic examination learn how to understand the results of the exam.

This year the Philadelphia RCFL was the most active of all RCFLs, training 914 individuals during FY13. This represented a 42 percent increase over the number trained in Philadelphia the previous year. One of the unique offerings at PHRCFL is a two-day forensics overview class for probation officers, which covers a range of topics including introduction to forensics, collecting and preserving digital evidence, using the cell phone and loose media kiosks and DriveQuest training.

PHRCFL training room





Executives at the National Academy of Sciences Event

OCRCFL, FBI and National Academy of Sciences Event

The Orange County RCFL, in partnership with the FBI Los Angeles Division and the National Academy of Sciences (NAS), sponsored a half-day educational event entitled "Digital Forensics in the 21st Century". The goal of the program was to educate scientists and members of the public on the practice and challenges of digital forensics. The event was part of the NAS' Distinctive Voices initiative aimed at improving science literacy. It featured presentations, case studies, and hands-on demonstrations of technology and methods, by OCRCFL examiners. The state-of-the-art mobile lab (M-LAB) was on display and open for tours. More than 280 people attended the program.

HARCFL's Second Annual Prosecutor's Conference

Due to the positive feedback from last year's inaugural conference, the HARCFL once again sponsored a one-day event on digital forensics for prosecutors in FY13. The training helps fill a long-standing gap in the education of prosecutors on the significance of digital evidence and how to accurately present it during trials. Sixty participants attended the 2nd Annual Digital Forensics for Prosecutors Conference on November 2, 2012. The program included technical presentations on mobile device evidence, encryption, forensic video, as well as practice-based training on courtroom presentations and ethical issues.

Social Media and Digital Forensics Webinar

The RCFL National Program Office partnered with the FBI's Cryptologic and Electronic Analysis Unit (CEAU) to present the program's fifth webinar, "Social Media and Digital Evidence" on July 10, 2013. This two-hour, live event, was broadcast from the FBI Training Division Studio in Quantico, VA. Part of the RCFL's Continuing Education Series, the webinar program's goal is to cost-effectively address the broad, awareness-level training needs of law enforcement officers on timely issues related to digital forensics. The webinar program is one of the NPO's most impactful outreach initiatives. More than 11,000 participants have participated in the webinar program since its inception in 2007.

Topics covered in this year's webinar included:

- Overview of the role of the social media in investigations and emerging trends
- How social media artifacts are recovered (forensically with appropriate legal authority)
- How investigators should work with forensic examiners
- Challenges—now and in the future.

On event day, 1,655 participants tuned in from around the country and around the world:

- Domestic participants from 659 different agencies in 45 states, the District of Columbia, Puerto Rico, and Guam participated.
- Officials from 15 foreign countries (Aruba, Australia, Brazil, Canada, Columbia, Cypress, Antigua and Barbados, Bosnia and Herzegovina, Netherlands Antilles, Estonia, Hong Kong, Netherlands, Portugal, Saint Lucia, and Spain) also tuned in.

Following the broadcast event, the RCFL NPO began offering a recorded version (online or DVD) of the webinar to individuals who





SSA Bruce Hartung during the opening of the Social Media and Digital Evidence webinar. Webinar participants simultaneously view a live video feed of panel members presenting the training and the supporting slides on their computers. Recorded versions of the event can be ordered from the RCFL NPO.

were unable to attend. The NPO also offers copies of the presentation slides and certificates of completion.

Topics are chosen based on recommendations from previous years' webinar participants and input from RCFL Laboratory Directors and the FBI's Digital Forensics and Analysis Section leadership. The NPO handles planning, registration, and follow up; NPO team members, FBI and RCFL subject matter experts, and webinar panel members develop the webinar content, and the FBI Training Studio handles the production.

This year's panel of experts presenting the webinar were:

- Steven Anacker, Supervisory Special Agent—FBI Cryptologic and Electronic analysis Unit (CEAU)
- David Reiser, FBI Program Manager and Engineer—FBI CEAU
- Victoria Smith, FBI Certified Forensic Examiner—FBI Digital Analysis and Research Center (DARC)
- Bruce Hartung, FBI Supervisory Special Agent—RCFL Unit (moderator)

Webinar feedback was very positive, with 92 percent of those responding to the online evaluation choosing a satisfied rating with comments such as "well-organized", "great panel of experts", "the use of real life case examples was beneficial," and "looking forward to the next webinar."

Webinar panelists, left to right: David Reiser; Bruce Hartung; Victoria Smith and Steven Anacker.



5.0 ASSET FORFEITURE FUND

Department of Justice (DOJ) Asset Forfeiture Fund

Since 2006, the RCFL Program has received and administered Department of Justice (DOJ)–Asset Forfeiture Funds (AFF). In FY13, Program funding was \$2.2M.

The RCFL Program’s highly valuable partnership with the Asset Forfeiture and Seized Property Unit, which allows the program to receive Asset Forfeiture Funds (AFF), remained on track and productive during FY13. As municipalities grapple with budget cuts, AFF resources make it possible for some state and local law enforcement agencies to continue their affiliation with the RCFL Program.

AFF resources were applied toward the following activities, contributing to our continued success and productivity this year.

- **Backlog Reduction**—thirteen of the 16 RCFLs reduced their backlogs during FY13. An RCFL places a service request in backlog if it has been open more than 30 days and is not closed within 60 days. Because of the availability of AFF resources, the RCFL program can compensate Examiners detailed from state and local law enforcement agencies for any overtime worked—enhancing productivity across the board.
 - **Overtime Compensation**—the RCFL NPO processed 4,226 requests for overtime using AFF resources. Being able to offer overtime compensation to our state/local partners is an important benefit associated with joining the RCFL program.
 - **Leased Motor Vehicles**—the RCFL NPO provided 110 leased motor vehicles to state and local examiners during the FY13. Personnel participated in 603 onsite operations. Having a leased vehicle at their disposal enables personnel to quickly respond to last-minute and/or emergency requests for digital forensics support (e.g., a missing child or terrorism investigation).
 - **Equipment Purchases**—RCFL personnel must have access to the latest tools, technologies, hardware, and software to conduct examinations of digital devices, in addition to having the proper resources to examine earlier models.
- During FY13, the RCFL staff collectively examined 31,254 pieces of media, such as laptop computers, cellular telephones, tablets, and gaming devices.
- **Issued Cellular Telephones**—the program issued 80 cellular telephones to state and local personnel assigned to RCFLs.

Putting AFF Resources to Work in the Field

AFF resources help make support to these types of cases possible:

- **Guilty Pleas in Gang Racketeering Case.** Multiple members of the Aryan Brotherhood of Texas (ABT), a large, organized, whites-only gang operating inside and outside of prisons, pleaded guilty to racketeering charges. According to court documents, ABT gang members and associates agreed to commit multiple acts of murder, robbery, arson, kidnapping and narcotics trafficking on behalf of the gang. Glen Ray Millican, Justin Christopher Northrup, Samantha Goldman, Benjamin Troy Johnson and Charles Lee Roberts, along with other members, each pleaded guilty to one count of conspiracy to participate in racketeering activity. Each faces a maximum penalty of life in prison. A total of 36 defendants have been charged in one of the largest racketeering cases brought by the Department of Justice in recent years. The GHR CFL performed forensic examinations on the computers of the accused.
- **Support to High Profile Man-Hunt.** The Orange County RCFL provided critical assistance to law enforcement agencies during the high-profile manhunt for Christopher Dorner, a former Los Angeles Police Department officer, who was suspected of killing the daughter of a former LAPD captain and her fiancé and two police officers. OCR CFL examiners assisted the LAPD and Irvine Police Departments in the serving of a search warrant at Dorner’s home and in seizing and analyzing computers and cell phones in support of the investigation. The OCR CFL mobile lab was also used to support the investigation. Dorner, who eluded police for 9 days, died in a Big Bear cabin in the San Bernardino Mountains, during a standoff with police.

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CHICAGO RCFL

WWW.CHICAGORCFL.ORG

Year Opened: 2003

Laboratory Director: Director John T. Dziedzic,
Cook County Sheriff's Office

Service Area: North Illinois

Number of Agencies in Area: 364

Accredited Since: 2009



PARTICIPATING AGENCIES

- > Aurora Police Department NEW
- > Berwyn Police Department NEW
- > Chicago Inspector General's Office
- > Chicago Police Department
- > Cook County Sheriff's Office
- > Cook County State's Attorney's Office
- > FBI—Chicago Division
- > Joliet Police Department
- > Lombard Police Department
- > Oak Park Police Department
- > Palatine Police Department
- > U.S. Customs and Border Protection

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

“CRAIGSLIST RAPIST” CASE: Charles Oliver, 44, of Woodstock, Ill., faced multiple rape charges for allegedly attacking several women who responded to his online Craigslist ads for paid sexual encounters. The attacks took place from November 2011 through early 2013. The women allegedly answered ads but were then tied up, taunted, photographed or videotaped and some were physically assaulted. Police found thousands of images and videos of women engaged in sexual acts with Oliver, according to Prosecutor Sharyl Eisenstein, “Some [of the encounters] appear consensual, but many appear forced.” Oliver sometimes saved the victims’ driver’s licenses and other souvenirs from the encounters and would later call to threaten the women if they alerted the police. Oliver was sentenced to 36 years in prison. The Chicago RCFL assisted the Woodstock, Illinois Police Department in this case by examining the digital media evidence seized from Oliver’s home. The digital media processed led to the identification of more than two dozen potential victims.

CHILD MURDER CASE: A 22-year-old Maywood woman and her boyfriend were charged in April 2013 with beating and killing her 1-year-old son and then disposing of his body in a book bag in the Des Plaines river. Lakeshia Baker, 22 and Michael Scott, 21, allegedly beat Bryeon Hunter with a belt and plastic hangers and left him to die on their bathroom floor, prosecutors said in court. The couple then allegedly devised an elaborate plan to cover up the murder. They reported to authorities that the child had been abducted. Baker reiterated the abduction story on live television. Police issued an Amber Alert and searched abandoned buildings, dumpsters and industrial areas looking for Hunter. A month after the disappearance, the decomposing body of a child was found on the bank of the Des Plaines river. In September 2013, after extensive DNA testing, authorities confirmed the body as Hunter’s. According to prosecutors, Baker and Scott confessed to the murder and provided details about the crime. However, both entered not guilty pleas at their arraignments in May. The Chicago RCFL processed the digital media seized during the investigation.



Michael Scott

Lakeshia Baker

PULSE CHECK: STATUS OF FY13 GOALS

- 
Conduct an Annual Internal Audit: An annual internal audit was successfully completed—ensuring the CGRCFL remained in compliance with the FBI’s and ASCLD/LAB’s requirements.
- 
Increase the Number of Participating Agencies: The CGRCFL welcomed two new partner agencies in FY13, the Aurora Police Department and the Berwyn Police Department.
- 
Reduce the Backlog: The original goal was to reduce the backlog by 10%, however, the CGRCFL staff surpassed this milestone and reduced the backlog by 29%.
- 
Prepare for International Accreditation: The CGRCFL completed an internal pre-assessment audit and submitted an application for ASCLD/LAB International accreditation.
- 
Implement CAIR: Equipment for remote review is in place and functional at the CGRCFL. To date, no agencies have connected to the remote review system.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

- 
Grow the Ranks: Add at least one new participating agency and bring additional staff on board from existing partner agencies.
- 
Reduce the Backlog: By a minimum of 10 percent.
- 
Seek International Accreditation: Seek ASCLD/LAB International accreditation

JOLIET MAN SENTENCED TO 62 YEARS IN CHILD SEX CASE:

Jason D. Hagerstrom was sentenced to 62 years in prison for predatory criminal sexual assault. Hagerstrom was arrested on domestic battery charges for allegedly punching a teenage girl in an argument at his residence. During the course of the investigation, it was revealed that Hagerstrom engaged in various sex acts with the victim since she was 8 years old. A cellphone seized from Hagerstrom was examined and videos of Hagerstrom and the girl were recovered.



**GREATER
HOUSTON
RCFL**

WWW.GHRCFL.ORG

Year Opened: 2005

Laboratory Director: SSA Ryan Dusek, FBI

Service Area: Southern Texas

Number of Agencies in Area: 327

Accredited Since: 2009

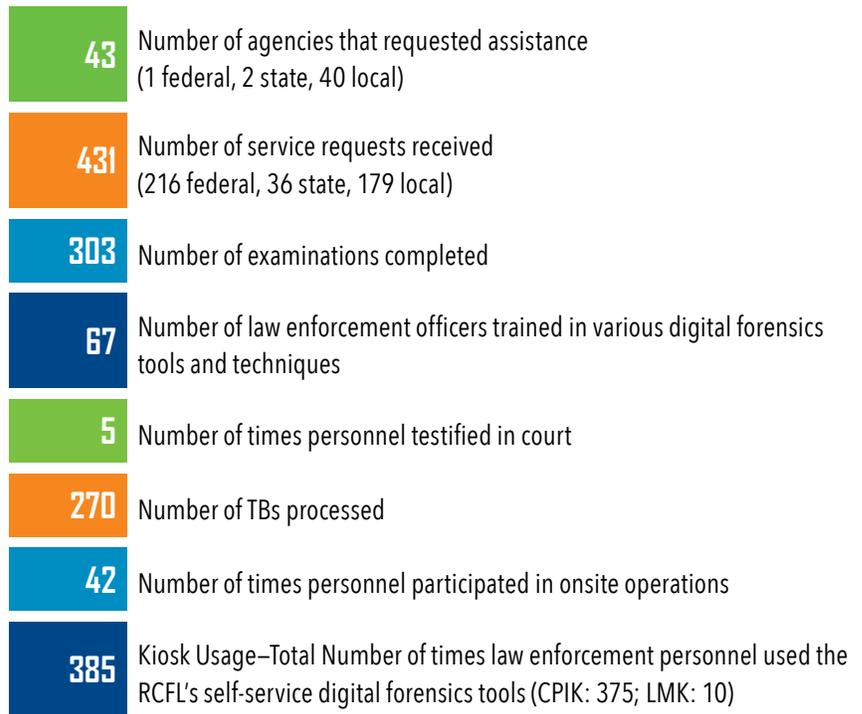


PARTICIPATING AGENCIES

- FBI–Houston Division
- Harris County Precinct 4 Constable’s Office
- Harris County Sheriff’s Office
- Houston Police Department
- Pasadena Police Department
- Texas Department of Public Safety

PROGRESS REPORT

The RCFL’s progress and accomplishments for FY13 follow-



TOP 5 CRIMES



GOALS FOR FY14

-  **Expand the Roster:** Continue collaborating with the Local Executive Board to identify potential new participating agencies.
-  **Obtain the International Accreditation from ASCLD/LAB:** The GHR CFL earned its Legacy accreditation in digital forensics from ASCLD/LAB in 2009, and will obtain the ASCLD/LAB International accreditation in FY14.
-  **Enhance Capabilities:** Enhance laboratory capabilities by implementing a distributed password cracking environment.
-  **Increase Efficiency:** Continue to identify and exploit opportunities to increase efficiency.

NOTABLE NEWS

CHILD PORNOGRAPHY: Saul Ernesto Menjivar, an El Salvadorian native in the US on a work visa, was charged with three counts of possession of child pornography. He allegedly used unsecured computers in the offices he was paid to clean to search for and view child pornography. The crime was uncovered when employees at a local business discovered images of child exploitation on company computers not secured with passwords. Review of file creation dates and times revealed that the images were accessed late at night. Examination of video from building's surveillance cameras showed a member of the contract cleaning crew accessing the business during the night time frame. GHR CFL conducted forensic examinations on the submitted computers and identified images of child exploitation. Victims were estimated to be between two and sixteen years old.



BOMB THREAT CONVICTION: Dereon Kelley, a Texas man accused of communicating a bomb threat to an academic institution, was found guilty in federal court and was sentenced in May 2013 to 33 months in prison. Evidence and court testimony showed that Kelley, using his cell phone, hacked into his former

PULSE CHECK: STATUS OF FY13 GOALS

-  **Prepare for International Accreditation:** The GHR CFL converted to the standards set forth in the International Organization for Standardization (ISO) requirements used by the America Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD/LAB). This was done in preparation of a scheduled ASCLD/LAB assessment in January 2014.
-  **Increase Efficiency:** The GHR CFL not only implemented a distributed processing environment for the local law enforcement forensic network, but exceeded expectations by acquiring and configuring a second distributed processing environment for the federal forensic network.
-  **Augment Laboratory's Capabilities:** The GHR CFL-developed case management system was continually improved throughout the year. Work on an enhanced version was started. One of the major improvements was the restructuring of the intake module, which collects detailed information that are required meet quality reporting requirements.
-  **Expand the Roster:** No new law enforcement agencies joined the GHR CFL due to continuing budget cuts and manpower shortages. As the economy improves, the GHR CFL expects to be more successful in recruiting new agencies to participate. It will keep recruitment as a goal for next year.

 Goal Met

 Partially Met

 Not Met

girlfriend's Yahoo e-mail account and sent three separate e-mails threatening to bomb the Admission's Office at Texas State University. The school was evacuated in response to the threat. The U.S. Attorney's Office relied heavily on the evidence obtained from the GHR CFL to obtain this conviction and commended the RCFL on its assistance. Kelley faces additional charges in Brazos County District Court for making a similar threat to Texas A&M University.



HEART OF AMERICA RCFL

WWW.HARCFL.ORG

Year Opened: 2003

Laboratory Director: SSA Lou Ann Stovall, FBI

Service Area: Kansas and the Western two-thirds of Missouri

Number of Agencies in Area: 867

Accredited Since: 2007

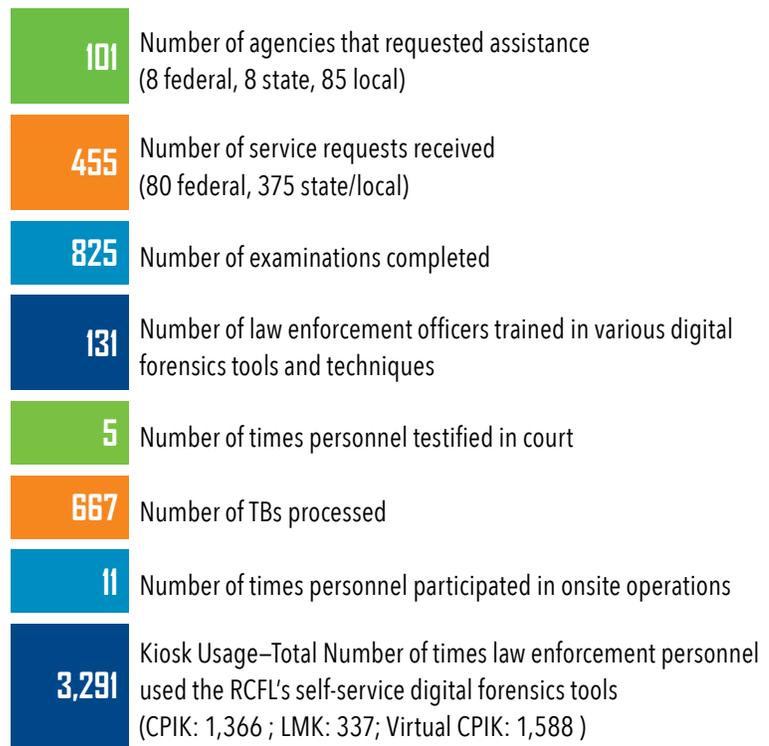


PARTICIPATING AGENCIES

- > Clay County, Missouri Sheriff's Office
- > FBI-Kansas City Division
- > Gladstone, Missouri Police Department
- > Grandview, Missouri Police Department
- > Independence, Missouri Police Department
- > Johnson County, Kansas Sheriff's Office
- > Kansas Bureau of Investigation (KBI)
- > Kansas City, Kansas Police Department
- > Kansas City, Missouri Police Department
- > Lawrence, Kansas Police Department
- > Lee's Summit, Missouri Police Department
- > Lenexa, Kansas Police Department
- > Missouri State Highway Patrol
- > North Kansas City, Missouri Police Department
- > Olathe, Kansas Police Department
- > Overland Park, Kansas Police Department
- > Platte County, Missouri Sheriff's Office
- > Shawnee County, Kansas Sheriff's Office
- > Topeka, Kansas Police Department
- > U.S. Attorney's Office-District of Kansas
- > U.S. Attorney's Office-Western District of Missouri
- > U.S. Department of Agriculture-Office of Inspector General

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

FIRST-OF-ITS-KIND TRANSITIONAL RCFL OPENS: Officials from the FBI, state of Kansas, and local law enforcement agencies commemorated the opening of the Topeka Satellite Regional Computer Forensics Laboratory (RCFL) in November 2012. The new laboratory, housed at the Kansas Bureau of Investigation (KBI) Headquarters in downtown Topeka, is the first satellite facility affiliated with the Heart of America RCFL (HARCFL) in Kansas City and the first-of-its-kind transitional laboratory in the FBI's RCFL national program. Built entirely with state funds, the Topeka Satellite RCFL is initially operating under the direction of the HARCFL. The KBI and the Topeka Police Department are detailing staff to the facility, and an experienced examiner from the Shawnee County (Kansas) Sheriff's Department is detailed from the HARCFL. The FBI is providing operational funding, training, equipment, and oversight. The new laboratory directly supports the RCFL program's goal of expanding digital forensic capability.

CELEBRATING 10th ANNIVERSARY: On July 9, 2013, FBI and state and local law enforcement officials commemorated the 10-year anniversary of the HARCFL at a ceremony held outside the laboratory's headquarters. The HARCFL, which officially opened July 9, 2003, was the fourth of the now-16 FBI-sponsored digital forensic and training centers operating the U.S. In 2003, 11 agencies participated with 14 full-time examiners. There are now 22 participating agencies and 24 full-time examiners on board. John Douglass, Chief, Overland Park Police Department and Chairman of the HARCFL Executive Board, served as emcee of the event. The gathering also provided the opportunity to celebrate another recent achievement, International Program accreditation from ASCLD/LAB.



FBI SAC Michael Kaste addresses guest and the press at the HARCFL's 10th Anniversary celebration. Overland Park, KS Police Chief and HARCFL LEB Chairman John Douglass is seated at left.

TRAINING PROSECUTORS: On November, 1, 2012, the HARCFL sponsored its 2nd Digital Forensics for Prosecutors Conference at the Kansas City, Missouri Police Academy. Sixty participants from Kansas and Missouri attended the day-long event.

PROTECTING CHILDREN: The HARCFL supports hundreds of cases each year. For example, Daryl D. Lemasters, of Platte City, MO,

PULSE CHECK: STATUS OF FY13 GOALS

-  **Obtain ASCLD/LAB International Accreditation:** The HARCFL obtained ASCLD/LAB International Accreditation on May 23, 2013.
-  **Complete the Final Steps to Open Transition Laboratory in Topeka:** The HARCFL Topeka Satellite Laboratory opened on November 12, 2012.
-  **Grow the Ranks:** The HARCFL increased the number of examiners assigned to the HARCFL Topeka Satellite Laboratory from two to four during FY13. The fifth will report to the lab in FY14.
-  **Increase the Number of Participating Agencies:** No new participating agencies joined the HARCFL, however, one agency assigned two additional examiners to the lab.
-  **Implement the New Case Management/Evidence Control System:** The system was not released by FBI Headquarters.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Grow the Ranks:** Assign one more examiner to the HARCFL Topeka Satellite Lab and increase the number of examiners assigned to the HARCFL in Kansas City.
-  **Enhance Training:** Begin providing more HARCFL-sponsored training classes. Continue development of a video retrieval class.
-  **Expand Certifications:** Increase the number of MAC-Light and UNIX Certified Examiners.
-  **Host New Forensics Conference:** Begin the planning for the HARCFL's First Digital Forensics for Investigators Conference to be held in fall 2014 (FY15).

received a 180-year sentence on six child sexual abuse convictions for crimes against two girls, now ages 11 and 9. Lemasters, a Cub Scout leader and business owner, will serve six 30-year sentences consecutively for the crimes that happened repeatedly over a four-year period. HARCFL examiners provided digital forensics support in the case.



INTERMOUNTAIN WEST RCFL

WWW.IWRFCFL.ORG

Year Opened: 2004

Laboratory Director: SSA Cheney Eng-Tow, FBI

Service Area: Utah, Idaho and Montana

Number of Agencies in Area: 430

Accredited Since: 2008



PARTICIPATING AGENCIES

- › Ada County Sheriff's Office, Idaho
- › Billings Police Department, Montana
- › Boise City Police Department, Idaho
- › Davis County Sheriff's Office, Utah NEW
- › FBI—Salt Lake City Division
- › Salt Lake City Police Department, Utah
- › Sandy City Police Department, Utah
- › Utah Attorney General's Office
- › Utah Department of Public Safety
- › West Valley City Police Department, Utah

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

ACHIEVED ASCLD/LAB INTERNATIONAL PROGRAM

ACCREDITATION: IWRCFL successfully completed the required ASCLD/LAB five-year re-inspection process and was recertified under the International program for another five years.

HIGH SCHOOL BOMBING PLAN: The IWRCFL provided digital forensics expertise to the investigation into a plan to bomb a Utah high school during a school assembly. Two high school students were arrested after a classmate alerted authorities about text messages received related to the plan. Investigators found maps of the school, information about the school's security surveillance cameras and an escape plan from the Ogden Hinckly Airport. One of the teens had spent hours on a flight simulator to learn to fly a plane. He had also recently visited Columbine High School to learn more about the 1999 shootings. One of the suspects, then 16, pleaded guilty to possession of a weapon of mass destruction. No bomb was found but conspiracy is an element of the possession charge. The second teen, 18, whom investigators determined had a minimal role in the plan, pleaded guilty to criminal mischief and received a 105-day jail sentence.



Students exiting Roy High School in Roy, Utah. A plan to detonate an explosive at the school was foiled when a student reported a strange text to a school administrator.

FBI INTERNATIONAL TERRORISM CASE: The IWRCFL provided extensive digital forensics services and expertise for a high profile IT case within the Salt Lake Division. The subject was charged with multiple charges including distribution of information relating to explosives, destructive devices, and weapons of mass destruction. Prosecution is ongoing and the IWRCFL continues to provide digital forensics support.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Gain CART Certifications:** Three Forensic Examiner Trainees (FETs) made progress toward certification.
-  **Update Quality Assurance Manual:** The manual was updated and consolidated. During the ASCLD/LAB five year re-inspection it was reviewed completely.
-  **Implement New Case Management/Evidence Control System:** Working on solutions that include piggybacking on Utah Crime Laboratory's system, writing our own new program using a commercial-off-the-shelf product, or using the FBI's DEMS program when it becomes available.
-  **Deploy State/Local Review Network:** The network has been deployed at the IWRCFL and we are working with FBI OTD to complete the necessary configuration of equipment so that remote access will be available.
-  **Increase Examiner Certifications:** Funds for advanced training were essentially eliminated due to sequestration. IWRCFL personnel took advantage of available low- and no-cost training opportunities, including completing online and self-paced training to improve their skills.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Expand Certification:** Increase examiner certifications for additional platforms.
-  **Gain CART Certifications:** Complete the certification process for three FETs.
-  **Implement New Case Management/Evidence Control System:** This system will help improve laboratory efficiency.
-  **Complete Deployment of State/Local Review Network:** Implementation of this network will allow investigators to review the results of forensic examinations from their home offices.



**KENTUCKY
RCFL**

WWW.KRCFL.ORG

Year Opened: 2006

Laboratory Director: Lieutenant Michael Haag,
Louisville Metro Police Department

Service Area: State of Kentucky

Number of Agencies in Area: 420

Accredited Since: 2009



PARTICIPATING AGENCIES

- > FBI—Louisville Division
- > Jefferson County Sheriff's Office
- > Kentucky State Police
- > Louisville Metro Police Department
- > Office of the Attorney General
- > University of Louisville
- >

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

GUILTY PLEA IN FEDERAL

PORNOGRAPHY CASE: The Kentucky RCFL provided digital forensics assistance in the case against Philip Haering on multiple federal pornography charges. Haering pleaded guilty in United States District Court, admitting that he used a peer-to-peer file sharing network to download images of child pornography between May 19, 2006 and May 3, 2011. A forensic examination revealed over 20,000 files of child pornography on a laptop computer, thumb drives, and hard drives. Haering faces a statutory mandatory minimum sentence of 5 years in prison. The maximum potential penalties are 110 years in prison, a fine of \$1,500,000 and a period of supervised release of at least 5 years.



GUILTY VERDICT IN SEX WITH MINOR CASE: The KRCFL assisted authorities in the case against Joseph David Martin, 39, accused of 31 felony charges related to having sex with an underage female over a three-year period. The girl was thirteen when the abuse began. Charges included complicity to tamper with physical evidence and to tamper with a witness. A jury convicted Martin on every count and sentenced him to the maximum time possible: 580 years. The judge followed the jury's sentencing recommendation; however, state law limits the maximum time served in jail to 70 years.

LETTER OF COMMENDATION: A Letter of Commendation (LOC) was presented to Forensic Examiner Kimberly Bradley. She was recognized for her "tireless efforts and contributions to the Kentucky RCFL. Ms. Bradley has been one of the most productive examiners at the KRCFL examining more than 170 devices in the previous two years. At the same time, she served as the KRCFL's Quality Assurance Manager, participated in seven Pre-ASCLD

Assessment Audits for other RCFL facilities, completed numerous training courses and attained 3 new certifications.



L to R: Kentucky State Police Commissioner Rodney Brewer, Kim Bradley, and FBI Louisville SAC Perrye K. Turner

PULSE CHECK: STATUS OF FY13 GOALS



Increase the Roster: The KRCFL welcomed the new system engineer to the staff in FY13.



Reduce The Backlog: The KRCFL reduced its backlog by continuing to train agents on the use of the LMK and CPIK to reduce the number of cell phones and loose media submitted to the lab. One additional examiner was certified to conduct MAC examinations.



Promote Outreach and Training: The KRCFL web site training coordinator retired during FY13 and the KRCFL was unable to host the planned information/training session with department heads. The KRCFL was able to conduct outreach and training by hosting training within the lab as well as giving presentations and informational sessions throughout the state.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14



Achieve ASCLD/LAB International Accreditation: The KRCFL earned Legacy accreditation in 2009 and will seek International accreditation in FY14. The audit is scheduled for May 2014.



Redesign the Website: Redesign the KRCFL website to make it more user friendly for the lab's customers.



Increase Liaison with Prosecutors: Work with federal prosecutors to build upon our working relationships. Ensure that they are aware of all of the capabilities of the laboratory, and that we are assisting with prosecutions as efficiently as possible.



Increase Remote Review Access by State and Local Agencies: Increase the number of agencies accessing the DCAP system for remote review.



MIAMI VALLEY RCFL

WWW.MVRCFL.ORG

Year Opened: 2005

Laboratory Director: SA David Barnes, FBI

Service Area: Southern Ohio

Number of Agencies in Area: 199

PARTICIPATING AGENCIES

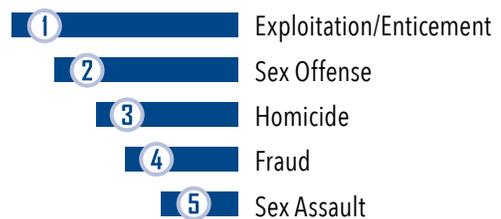
- › Dayton Police Department
- › FBI–Cincinnati Division, Dayton Resident Agency
- › Miami Valley Regional Crime Laboratory

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

GUILTY IN CHILD AND INFANT

PORNOGRAPHY CASE: A jury in federal court convicted James O. Napier, 38, of eleven child pornography counts involving an 11-month-old infant and 9-year-old girl. The investigation began when the FBI's Cincinnati Division received information from FBI Phoenix alleging that Napier was advertising the sale of child pornography on a website. After further investigation, Napier was arrested and multiple computers and cell phones were seized and then analyzed by MVR CFL examiners. Testimony at the trial showed that Napier molested the infant and recorded a video of the incident, which he then offered for sale. The investigation also identified a 9-year-old victim who was also exploited and filmed. Napier was sentenced to 240 years in prison. Two examiners provided expert testimony at Napier's trial. The U.S. Attorney prosecuting the case commended the MVR CFL's assistance.



U.K. RESIDENT GUILTY IN VIOLATION OF U.S. CHILD

EXPLOITATION LAWS: A British man, who traveled to Dayton, Ohio to engage in sex with a minor, has been jailed for 16 years by a U.S. Federal Court for child sex offenses. Richard Castle, 47, of Northampton, U.K. was extradited to the U.S. in March 2013 following an investigation by the U.S. Immigration and Customs Enforcement Agency (ICE) with support from U.K. law enforcement authorities. Castle admitted to using the internet to coerce a minor to engage in illicit sexual activity and to transferring obscene materials to the same minor. Castle posed as someone named Richard Joshua Parker, flew to Dayton in June 2011 to engage in sex with the minor, and stayed about three weeks. The MVR CFL assisted ICE and New Scotland Yard with analysis of computers and other digital devices used by the victim. This forensic analysis assisted investigators in obtaining a guilty plea from Castle.

INTERNATIONAL COOPERATION LEADS TO FEDERAL

CONVICTION IN CHILD PORNOGRAPHY CASE: The MVR CFL supported an investigation that began when an Australian Federal Police officer working undercover on the internet was offered child pornography images. The officer identified the offerer as Richard Trepanier, 40, of Gettysburg, Ohio. Agents from the FBI Cincinnati-Dayton Residence Agency investigated and interviewed the subject. Trepanier provided consent to a search of his computers. MVR CFL forensic analysis identified approximately 56 images of child pornography and evidence that Trepanier was trading child pornography. Trepanier was convicted in a six-day trial and sentenced to 168 months in prison.

PULSE CHECK: STATUS OF FY13 GOALS



Train Replacement for Retiring Examiner: The MVR CFL welcomed a new Task Force Officer (TFO) from the Dayton Police Department. The new TFO has taken multiple training courses and is well on his way to becoming a certified forensic examiner.



Promote Kiosk Use: Usage of the LMK and CPIK more than doubled from FY12 to FY13. This increase can be attributed to outreach with local agencies and better education of officers on use of the kiosks when they are at the MVR CFL.



Install and Implement a Forensic Network: The Examiner Net system has been installed and deployed to the MVR CFL. The MVR CFL is working on getting examiners better trained in its use and in educating FBI personnel on its potential.



Goal Met



Partially Met



Not Met

GOALS FOR FY14



Increase Use of Examiner Net: FBI Cincinnati has a limited number of agents trained in Case Agent Investigative Review (CAIR). The MVR CFL forensic network has been used on a few test cases, but is not being utilized at its full potential. The MVR CFL will educate and train FBI personnel regarding CAIR and promote the use of Examiner Net.



Increase Training For Local Agencies: The MVR CFL has a knowledgeable staff of examiners, but does not have a dedicated training space. The MVR CFL will focus on expanding our training program by devoting more time to exploring the logistics of providing training outside of RCFL space.



Promote Self-Service Kiosks: The MVR CFL has had a marked increase in use of the LMK and CPIK by local agencies. However, the LMK and CPIK are under-utilized by FBI personnel. The MVR CFL plans to provide training to the Cincinnati Division on the capabilities of the lab and the use of the LMK and CPIK. Expanding usage of these tools by the FBI should allow MVR CFL examiners to focus on examinations requiring more advanced technical analysis.



NEW JERSEY RCFL

WWW.NJRCFL.ORG

Year Opened: 2004

Laboratory Director: SSA Ronald E. Menold II, FBI

Service Area: The State of New Jersey

Number of Agencies in Area: 526

Accredited Since: 2006

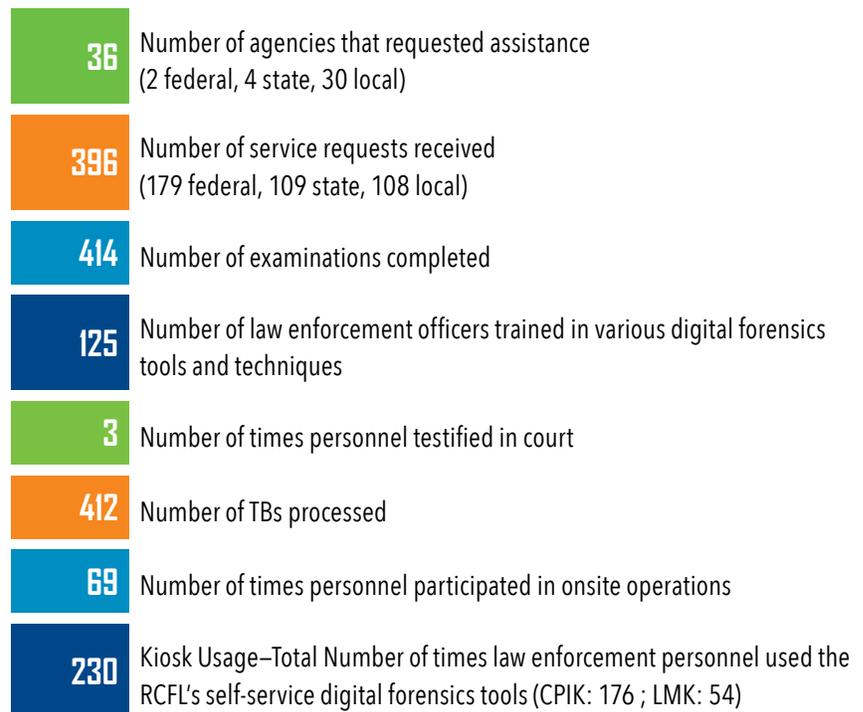


PARTICIPATING AGENCIES

- › Essex County Prosecutor's Office
- › FBI–Newark Division
- › Jersey City Police Department
- › Monmouth County Prosecutor's Office NEW
- › New Jersey Division of Criminal Justice
- › New Jersey Office of the Attorney General
- › New Jersey State Police
- › Somerset County Prosecutor's Office

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

25 ARRESTS FOR CHILD PORN DISTRIBUTION: The NJRCFL is assisting the New Jersey Interstate Crimes and Against Children Task Force in its latest crackdown on child pornography in the state. Multi-agency teams swept across New Jersey over 5 days in February 2013 to arrest twenty five people who are accused of downloading or distributing videos of young children being sexually molested. The defendants range in age from 17 to 66. Attorney General Jeff Chiesa said five of the men arrested had direct contact with young children, and two of them regularly acted as babysitters. The sweep was part of "Operation Ever Vigilant." Computer media seized as evidence was turned over to the NJRCFL for examination.

BOSTON BOMBING SUPPORT: During the early days of the May 2013 Boston Bombing, two examiners from the NJRCFL provided on site support to assist with video surveillance and cell phone examinations. In addition, multiple items were sent to the NJRCFL to be forensically imaged for examination. The NJRCFL remained on 24-hour call during the investigation.



Image of Dzhokhar and Tamerlan Tsarnaev retrieved as part of the investigation into the Boston Marathon bombing. Dzhokhar Tsarnaev faces 30 federal charges associated with the crime.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Expand Examiners' Capabilities:** The NJRCFL developed a micro training series for examiners. Multiple approved third party tools were trained in FY13.
-  **Add Partners:** The NJRCFL welcomed the Monmouth County Police as a participating agency.
-  **Continue to Develop Tools:** The NJRCFL developed an iSCSI BOOT CD that allows for the presentation of an image file as a physical disk. This is necessary for conducting Volume Shadow Copy analysis and live-booting image files in a virtual environment.
-  **Reduce Backlog:** The NJRCFL reduced its backlog due to the new backlog definition and the higher number of examiners working in the RCFL during FY13.
-  **Grow the Ranks:** New examiners joined the NJRCFL, but their numbers were offset by retirements and promotions.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Increase the Number of Participating Agencies:** Recruit at least one new agency.
-  **Grow the Staff:** Increase the number of examiners assigned to the NJRCFL.
-  **Expand Examiner Capabilities:** Expand the number of tools in which laboratory examiners are trained.



NEW MEXICO RCFL

WWW.NMRCFL.ORG

Year Opened: 2011

Laboratory Director: SSA Mary Adkins, FBI

Service Area: The State of New Mexico

Number of Agencies in Area: 135

PARTICIPATING AGENCIES

- > Albuquerque Police Department
- > Bernalillo County Sheriff's Office
- > FBI–Albuquerque Division
- > Homeland Security Investigations NEW
- > New Mexico State Police Department
- > U.S. Fish & Wildlife Service, Office of Law Enforcement
- > University of New Mexico
- >

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 4 CRIMES



NOTABLE NEWS

HUSBAND AND WIFE GUILTY IN CHILD PORNOGRAPHY

CASE: Frederick Gonzales, 42, and his wife Carey Gonzales, 36, of Albuquerque, New Mexico, were convicted in a federal-prosecuted child pornography case. At the time of their arrests, Frederick Gonzales was the incoming president of Albuquerque's Young America Football League and Carey Gonzales was a kindergarten teacher's aide for the Albuquerque Public Schools. Frederick was sentenced to 97 months in prison. Carey, the first female convicted of child pornography-related charges in New Mexico, was sentenced to 36 months. The NMRCFL conducted an in-depth analysis of the digital media in the case and determined that the couple had tried to hide their activities by copying downloaded files from a computer to a CD/DVD and then deleting the computer files. The analysis helped secure guilty pleas.



Frederick and Carey Gonzales Plead Guilty to Federal Child Pornography Charges

CONVICTION IN STALKING AND ATTEMPTED MURDER

CASE: Andrew Smoot, 22, received a 12-year sentence in a case that charged Smoot with trying to kill an ex-girlfriend whom he had met on the internet. A sheriff's deputy had spotted Smoot's car parked outside of the ex-girlfriend's home. It contained a bottle of lighter fluid and latex gloves, face masks, anti-freeze and a package of steaks. According to press reports, Smoot admitted that he intended to disable the family's dog with anti-freeze soaked steaks and then set fire to the house. Smoot pleaded no contest to the charges. The NMRCFL examined the subject's computer, found evidence that Smoot was accessing the victim's Facebook account and also located software that indicated Smoot was attempting to hide his online actions.

GUILTY PLEA IN CHILD PORNOGRAPHY CASE: Richard Crisman of Rio Rancho, NM, pleaded guilty to child pornography charges and received a 97-month sentence and 25 years of supervised release for his conviction. Crisman acknowledged that a forensic examination of his computers and media uncovered more than 14,000 images and 40 videos of child pornography. Crisman was arrested in Sept. 2011 as part of Operation Predator, of the New Mexico Internet Crimes Against Children (ICAC) Task Force. The New Mexico Regional Computer Forensics Lab (NMRCFL) examined evidence in this case.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Reduce The Backlog:** The NMRCFL backlog was reduced significantly due to the new backlog definition and increased number of examiners.
-  **Increase the Number of Participating Agencies:** The NMRCFL welcomed Homeland Security Investigations as a participating agency.
-  **Provide Training to the Law Enforcement Community:** The NMRCFL trained the same number of officers this fiscal year as last fiscal year.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Achieve ASCLD/LAB Accreditation:** Successfully prepare for and achieve accreditation.
-  **Increase Training Offered to Agencies in the Region:** The NMRCFL will expand its training offerings for members of the law enforcement community.
-  **Expand Participation:** Recruit at least one new agency to participate in the NMRCFL.



FBI Director Jim Comey visits the NMRCFL



NORTH TEXAS RCFL

WWW.NTRCFL.ORG

Year Opened: 2000

Laboratory Director: SSA Allyn Lynd, FBI

Service Area: All of North Texas, including Dallas-Fort Worth

Number of Agencies in Area: 573

Accredited Since: 2004

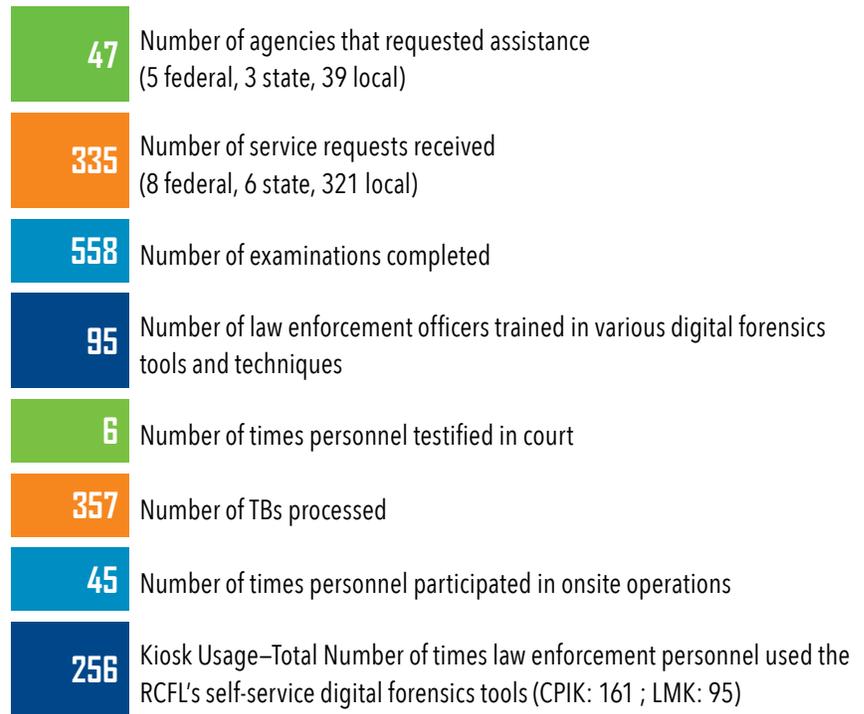


PARTICIPATING AGENCIES

- > Dallas Police Department
- > FBI–Dallas Division
- > Garland Police Department
- > Grand Prairie Police Department
- > Plano Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

CONTINUED STRONG PERFORMANCE DURING YEAR OF CHANGE:

Despite turnover of more than one-third of the team at the NTRCFL in FY13, the lab continued to provide excellent service to law enforcement agencies in the region, add a new service, and pass its annual ASCLD/LAB accreditation inspection with zero corrective actions required. The NTRCFL's Local Executive Board approved the nomination of FBI Supervisory Special Agent Allyn Lynd as Laboratory Director. The Dallas and Plano Police Departments and the FBI provided new examiner trainees for ones that had been reassigned. The NTRCFL also completed the installation of a review network that allows state and local officers to review the results of forensic examinations remotely.

MURDER OF PUBLIC OFFICIALS: The NTRCFL played multiple key roles in the murder investigations of a Kaufman County Assistant District Attorney who was gunned down while walking to the courthouse, and, in a separate incident two months later, the slayings of his supervisor, the District Attorney, and his wife in their home. NTRCFL examiners assisted in the collection and processing of the digital evidence from both crime scenes, the computers of the victims, and videos from business and residential security systems near both murder scenes and along the path believed to be used by the subject(s). Video examinations conducted by an NTRCFL examiner from the Dallas Police Department identified a subject vehicle and provided probable cause to search a storage shed and the home of a suspect. NTRCFL personnel then assisted in the seizure of computers and digital media and processed the evidence. Authorities located the alleged murder weapon; a man and his wife were arrested and are awaiting trial. Because of the immediacy and the scope of the investigation, officials required extra computers and processing power to examine incoming evidence. The NTRCFL's computer training room was converted into an examination space, allowing for faster evidence processing.

THREE GUILTY IN CORPORATE HACKING CONSPIRACY: In the first case of its kind in Texas, three Texas men who quit the same company and formed a competing one, were charged in federal court with hacking for the purpose of corporate espionage. Michael Musacchio, CEO of the new company, and two IT employees of the former company, Joseph Roy Brown and John Michael Kelly, were charged with conspiring to steal customers from their former employer. They left a "back door" into the emails of the old company, which then provided access to emails, contracts, business proposals and other documents that were used to compete with their old company for contracts. NTRCFL examiners processed more than 18 TB of evidence in the case, restoring backups of all email, web server logs, virtual machines, Blackberry logs and subjects' desktops. Results showed the subjects had conspired to steal the customers of their previous employer. Revenue from these stolen customers totaled more than \$170 million. Two of the subjects plead guilty; one went trial and was found guilty by the jury.

TEXAS WOMAN CHARGED FOR SENDING RICIN LETTERS TO OFFICIALS: The NTRCFL examined a significant amount of digital evidence submitted in the investigation into the source of poisonous ricin sent in threatening letters to President Obama and other public figures. Shannon Guess Richardson of Texas was named in a three-count

PULSE CHECK: STATUS OF FY13 GOALS

-  **Complete Server Room:** The NTRCFL completed the server room in FY13 and trained personnel on its use.
-  **Fully Implement State/Local CAIR:** The NTRCFL completed the installation of the network that allows state and local law enforcement agencies to review results of an investigation remotely. To date, two agencies have enrolled to use the system.
-  **Train all Examiners on Cell Phone Forensics:** The NTRCFL provided basic training to all examiners to support the growing demand for cell phone examinations.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Reduce the Backlog:** Continue to reduce the backlog by implementing strategies to increase efficiency within the lab.
-  **Increase Training for Local Agencies:** Offer more training classes to federal, state and local law enforcement agencies.
-  **Add Additional Participating Agency:** Recruit at least one new agency.
-  **Support the Continuation/Completion of Examiner Training:** Several new forensic examiner trainees (FETs) joined the NTRCFL this year. Ensure that they progress in their certification training.

federal grand jury indictment. The charges include threatening the President of the United States and mailing a threatening letters to NY Mayor Michael Bloomberg and Mark Glaze, Director of Mayors Against Illicit Guns. According to press accounts, Richardson tried to frame her estranged husband for the crime by opening a PayPal account and a post office box in his name. The HazMat-qualified NTRCFL examiner decontaminated and imaged the evidence, processed it and then put it onto the CAIR network. Examiners assisted investigators in locating evidence that led to Richardson's arrest. She pleaded guilty in December 2013 and was sentenced to 18 years in federal prison.

CHILD PORNOGRAPHY CASE: The NTRCFL provided digital forensic expertise in a case in which a stepfather is charged with illegally recording his young stepdaughters showering. The children's mother had discovered recordings on the suspect's iPod Touch device, which the subject later threw out of a moving vehicle after claiming that the recordings were likely made by a younger son. Despite not having the device which recorded the videos and photos, NTRCFL examiners located files stored on an Apple MobileSync backup linked to the suspect's user name. EXIF data shows that the videos and photos in question were taken by and iPod Touch. The file paths link the files to the subject.



**NORTHWEST
RCFL**

WWW.NWRCFL.ORG

Year Opened: 2005

Laboratory Director: SSA Jennifer C. Burnett, FBI

Service Area: Oregon and
Southwest Washington

Number of Agencies in Area: 109

Accredited Since: 2008

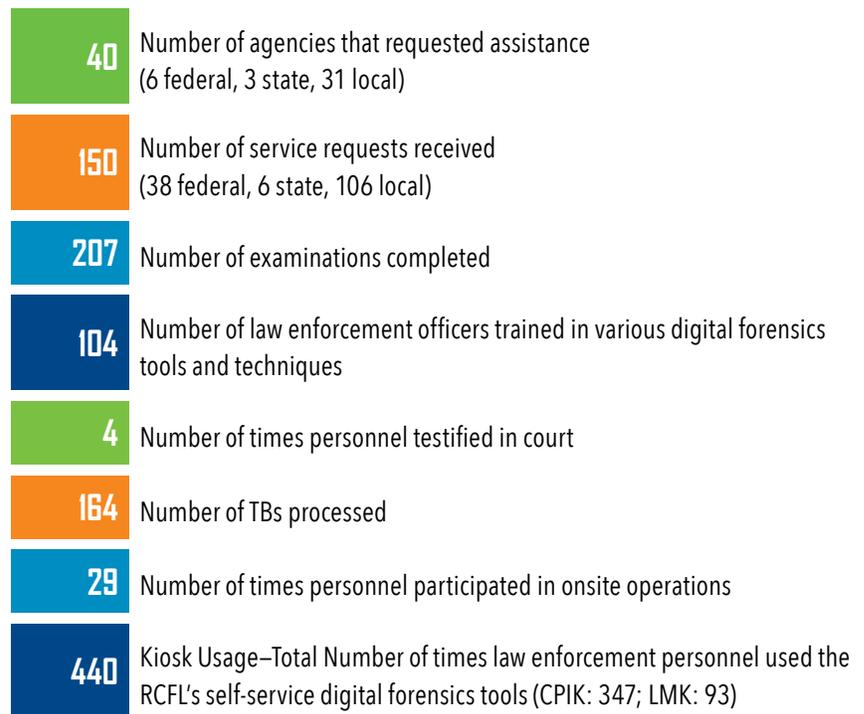


PARTICIPATING AGENCIES

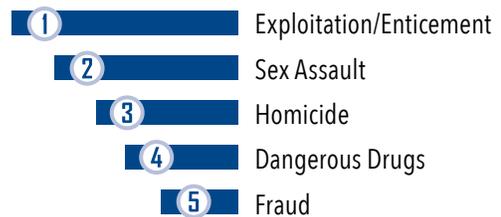
- › Beaverton Police Department
- › FBI–Portland Division
- › Hillsboro Police Department
- › Multnomah County
Department of Community
Justice
- › Oregon State Police
- › Portland Police Bureau
- › Washington County Sheriff’s
Office

PROGRESS REPORT

The RCFL’s progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

CHILD EXPLOITATION CASE:

Anna Welsh, 31, of Nehalem, Oregon was arrested on multiple charges of sexual misconduct with minors in a case involving two 15-year-old boys during the summer and fall of 2012. The Northwest RCFL provided digital forensics support to the investigation, cracking the encrypted digital evidence between the suspect and victims. In December 2013, Welsh entered guilty pleas to two non-expugnable Class B felonies in exchange for a 40-month prison sentence and the requirement to register for life as a sex offender. All other charges were dropped as part of the plea deal. The prosecutor said "this is a gender-neutral application of Oregon law."



GUILTY PLEA IN DRUGGING AND SEXUAL ASSAULT CASE:

Marlin Pohlman, 43, a computer technology specialist from North Portland, was sentenced to six years and three months in prison after he pleaded guilty to charges relating to supplying women with drugs and then sexually assaulting them. Press accounts report that one of the victims, who had previously dated the suspect, said that Pohlman enticed her and two other people to his car to inhale nitrous oxide. He then injected her with a drug using a medical syringe. She quickly lost consciousness and was taken to the hospital, where, according to court documents, an attending physician said that she was unconscious for four hours with "a high probability of imminent or life-threatening deterioration." Investigators found a makeshift chemical lab in Pohlman's house. Pohlman pleaded guilty two drug charges, including possessing a large amount of ecstasy, and a third charge of second-degree attempted assault of the victim mentioned above. He pleaded no contest to a fourth charge of second-degree sex abuse. Other charges were dropped as part of the plea bargain. The NWRCFL examiners recovered numerous emails and texts pertinent to the investigation.

PULSE CHECK: STATUS OF FY13 GOALS

- 
Gain International Accreditation: The NWRCFL completed the ASCLD/LAB International application in preparation for the audit. The audit was postponed until February 2014.
- 
Increase the Number of Participating Agencies: The NWRCFL recruited one new participating agency, however, official confirmation of membership is not expected until FY14.
- 
Expand Certification: The NWRCFL was unable to meet the goal of increasing the number of MAC-light certified examiners because no classes were held during the FY.
- 
Enhance Training: The NWRCFL was unable to meet the goal of hosting UNIX certification training and getting one examiner certified because all advanced courses were canceled this FY due to sequestration.

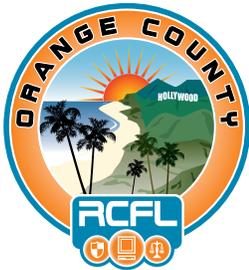
 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

- 
Achieve ASCLD/LAB International accreditation: Successfully complete the process, now scheduled for February 2014.
- 
Add One Additional Participating Agency: Recruit at least one new agency.
- 
Increase the Number of Audio-Video Examiners: Have at least one examiner trained to conduct these examinations.
- 
Redesign the NWRCFL Website: Increase the website's functionality and usefulness for customers.



ORANGE COUNTY RCFL

WWW.OCRCFL.ORG

Year Opened: 2011

Laboratory Director: SSA Christopher Pluhar, FBI
(during FY13, SSA Jason Weiss, FBI)

Service Area: Central District of California

Number of Agencies in Area: 252

Accredited Since: 2013

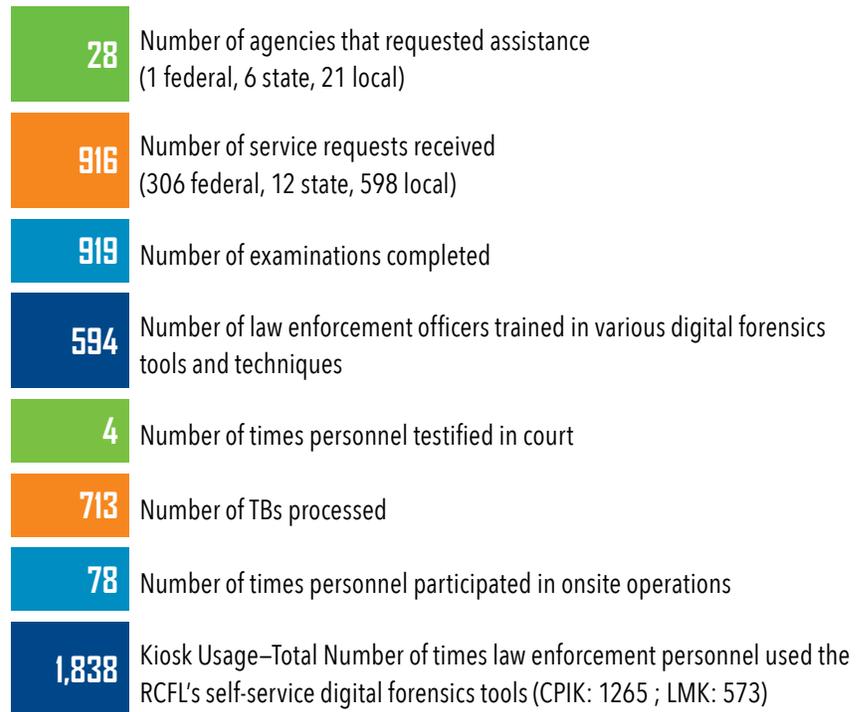


PARTICIPATING AGENCIES

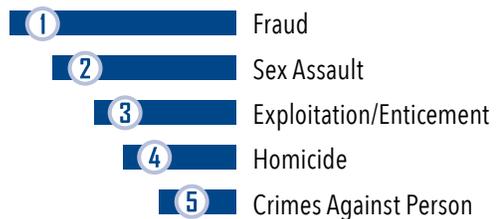
- › Anaheim Police Department
- › FBI—Los Angeles Division
- › Fontana Police Department
- › Fullerton Police Department
- › Irvine Police Department
- › Los Angeles County Sheriff's Department NEW
- › Los Angeles Police Department NEW
- › Newport Beach Police Department
- › Ontario Police Department
- › Orange County District Attorney's Office
- › Orange County Sheriff's Office
- › Riverside County District Attorney's Office
- › Santa Ana Police Department
- ›

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



GOALS FOR FY14

 **Geographically Enhance/Expand OCR CFL's Capabilities:** The OCR CFL will enhance and expand its capabilities in the Inland Empire (IE) region of its Area of Responsibility by establishing an OCR CFL presence in the IE region. This will enable additional support to local agencies and will open the possibility of recruiting new participating agencies.

 **Create/Update CAIR Training:** Tailor the existing training for use over the DCAP (state and local network.) Provide the CAIR training to detectives and investigators at agencies' facilities whenever practical to further enhance the liaison and interaction with OCR CFL examiners and participating agencies.

 **Complete Upgrade of Review and Training Room Computers:** Install updated equipment to enhance the processing and review capabilities for our partners and customers.

NOTABLE NEWS

ACHIEVED ASCLD/LAB-INTERNATIONAL ACCREDITATION:

In April 2013, the OCR CFL was approved for the ASCLD/LAB International Accreditation Program in Forensic Science Testing—Digital and Multimedia Evidence—Computer Forensics and Video Analysis.

CO-SPONSORED AMERICAN ACADEMY OF SCIENCES EVENT:

The OCR CFL partnered with the FBI, Los Angeles Division and the National Academy of Sciences, to co-sponsor a Distinctive Voices event on December 14, 2012 at the Beckman Center, Irvine, CA. The half-day program, entitled "Digital Forensics in the 21st Century," featured presentations, case studies, hands-on demonstrations of technology and methods by OCR CFL examiners, and tours of the FBI's state-of-the-art mobile laboratory. More than 280 people attended the program.

GUILTY PLEA IN SEXTORTION CASE:

A Temecula college student, Jared James Abrahams, 19, pleaded guilty to federal charges that he anonymously hacked online accounts and extorted young females in the U.S. and abroad into sending him nude photos and video or submitting to five-minute Skype



PULSE CHECK: STATUS OF FY13 GOALS

 **Recruit Additional Agencies:** The OCR CFL successfully finalized the Memorandum of Understanding with the Los Angeles County Sheriff's Department and the Los Angeles Police Department as participating agencies.

 **Achieve ASCLD/LAB international Accreditation:** The OCR CFL was successfully accredited in the International program on January 13, 2013.

 **Expand the Use of Training Facility:** In the past training had been limited to FBI- sponsored training. During FY13 the OCR CFL's high tech classroom has been used to host computer forensic training offered to local agencies by Microsoft and Apple.

 **Expand Liaison:** The OCR CFL began supporting a new FBI-Los Angeles Division project, "Cyberhood Watch." The program is designed to allow businesses to anonymously submit intrusion and cyber-attack data to the FBI to bolster intelligence. The OCR CFL also initiated liaison with Army Criminal Investigative Division at Fort Irwin, Marine Corps Criminal Investigation Division, the Riverside SAFE and CATCH teams, the San Diego CATCH team and others. As a result, several new agencies are interested in joining the OCR CFL as participating agencies.

 **Develop New Training:** The OCR CFL made plans to create and teach a new technical Prosecutor's Academy class, but scheduling issues prevented the lab from holding the training. It is now planned for FY14.

 Goal Met

 Partially Met

 Not Met

sessions. In his plea agreement, Abrahams acknowledged taking over between 100 to 150 computers. Abraham would remotely gain control of a victim's computer and then he would demand they provide additional nude photos/video or he would distribute the photos he had secretly recorded of them. The FBI seized computers and hardware, cell phones and hacking software from Abraham's home. OCR CFL examiners recovered photos and videos of the victims, saved video chats, and also texts of extortion demands on both the subject's and victims' computers. They also found evidence consistent with malware and remote administration tools and evidence of online research into ways to spread malware and control webcams.



PHILADELPHIA RCFL

WWW.PHRCFL.ORG

Year Opened: 2006

Laboratory Director: SSA Raymond Manna, FBI

Service Area: Philadelphia and Eastern Pennsylvania

Number of Agencies in Area: 500

Accredited Since: 2009



PARTICIPATING AGENCIES

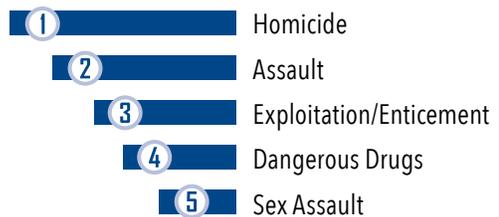
- › Buck's County (PA) District Attorney's Office
- › Delaware County (PA) District Attorney's Office
- › FBI–Philadelphia Division
- › Montgomery County (PA) District Attorney's Office
- › Philadelphia Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

BOSTON MARATHON BOMBINGS INVESTIGATION: The PHRCFL sent three Forensic Examiners at a time for approximately three weeks conducting imaging and processing of evidence during the initial investigation into the Boston Marathon bombing incident. Two pressure cooker bombs exploded during the Boston Marathon on April 15, 2013, killing 3 people and injuring an estimated 264 others. The initial investigation focused on identifying those responsible and law enforcement asked the public for support. Officials quickly collected record amounts of photographic and video evidence from the hundreds of video surveillance cameras in the crime scene area and thousands of photographs taken by participants and observers that were



Tamerlan (front) and Dzhokhar Tsarnaev as seen on security camera footage just prior to the bombing. This and other images released by the FBI taken from other security footage and photos from bystanders would later be considered a "turning point" in the investigation, leading to the subsequent manhunt and capture.

submitted for examination.

LAX SHOOTING INVESTIGATION: PHRCFL examiners supported the investigation into shootings at Los Angeles International Airport terminal targeting Transportation Security Administration officers. A gunman opened fire, killing a security screener and wounding three other people. The suspect, originally from Pennsville, N.J., is charged with murder of a federal officer and committing violence at an international airport. The PHRCFL examined cell phones seized in the case. This provided additional leads on possible accomplices.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Maintain Quality of Service:** The PHRCFL maintained quality of service while increasing productivity. The number of completed cases increased from 448 to 494.
-  **Promote Training:** During FY13 the number of personnel from state and local law enforcement agencies trained by the PHRCFL increased substantially—up by 42 percent from 643 in FY12 to 914 in FY13.
-  **Grow the Staff:** The PHRCFL added additional staff from participating agencies.
-  **Redesign the Website:** The PHRCFL's website was updated and refreshed with a new layout and graphics.
-  **Continue CAIR Implementation:** The PHRCFL continued CAIR implementation, conducted numerous training classes and increased the proficiency and frequency of use by case agents.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Provide Highest-Quality Forensic Support:** Continue to provide exemplary service to the PHRCFL customers.
-  **Provide High-Quality Training:** Provide the highest caliber training to meet FBI, state and local law enforcement needs.
-  **Operate Efficiently:** Conduct forensic examination in an efficient and coordinated manner.



ROCKY MOUNTAIN RCFL

WWW.RMRCFL.ORG

Year Opened: 2006

Laboratory Director: SSA Sean K. O'Brien, FBI

Service Area: The States of Colorado and Wyoming

Number of Agencies in Area: 269

Accredited Since: 2008

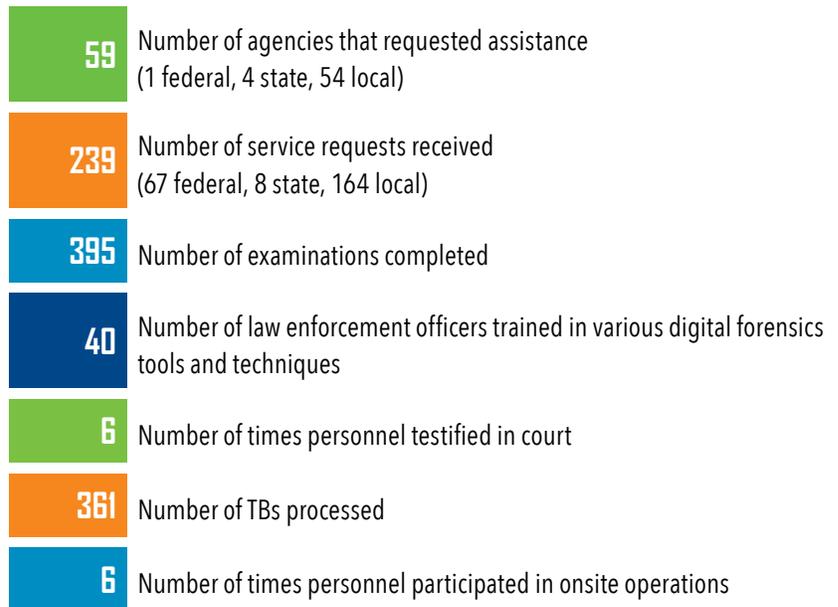


PARTICIPATING AGENCIES

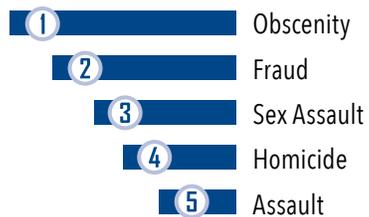
- > 18th Judicial District Attorney's Office
- > Adams County Sheriff's Office
- > Arvada Police Department
- > Aurora Police Department
- > Colorado Bureau of Investigation
- > Denver District Attorney's Office
- > Denver Police Department
- > Douglas County Sheriff's Office
- > FBI—Denver Division
- > Jefferson County Sheriff's Office
- > Lakewood Police Department NEW
- > Littleton Police Department NEW
- > Thornton Police Department

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

FROM THE DIRECTOR: The Rocky Mountain RCFL celebrated its seven year anniversary on January 18, 2013. During the past year, our staff has worked very hard to protect the citizens of Colorado and Wyoming by providing investigators first class digital forensics services. Establishing an RCFL requires strong teamwork on the parts of the participating agencies that have joined the program. Our participating agencies have made the RCFL possible.

ACHIEVED ASCLD/LAB-INTERNATIONAL ACCREDITATION: In 2013 the RMRCFL was approved for the ASCLD/LAB–International Accreditation Program in Forensic Science Testing–Digital and Multimedia Evidence–Computer Forensics and Video Analysis. The laboratory had previously achieved ASCLD/LAB Legacy Accreditation in 2008. To be accredited, a laboratory undergoes an intensive assessment by expert evaluators who conduct a wide-ranging assessment. “Accreditation demonstrates that a crime laboratory’s management, personnel, quality system, operational and technical procedures, equipment, and physical facilities meet established standards” according to the ASCLD/LAB website. The RMRCFL’s Executive Board held a press conference on July 24th to announce this latest achievement. FBI Denver Special Agent in Charge Thomas Ravenelle said: “Today, we celebrate not only our accreditation as one of 43 forensic laboratories in the world to attain international program accreditation... we also celebrate the outstanding partnerships that have made every service provided at this laboratory possible.” Douglas County Sheriff David Weaver, the co-chair of the RMRCFL executive board, remarked, “Nearly every crime investigated today involves some type of digital evidence—from a computer, a laptop, a cell phone,



FBI Denver SAC Tom Ravenelle addresses the media with Local Executive Board of the Rocky Mountain Regional Computer Forensics Laboratory in the background.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Increase Number Investigators Trained in CAIR:** During FY13 RMRCFL trained several investigators from state and local agencies in the region to use the review software.
-  **Increase the Staff:** The RMRCFL welcome two new staff members to the Laboratory.
-  **Increase Participation:** Two agencies joined the RMRCFL during FY13—Littleton Police Department and Lakewood Police Department

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Increase Participation:** Add at least one participating agency to the RMRCFL.
-  **Increase the Staff:** Add at least one new staff member to the RMRCFL team.
-  **Increase the Number of Investigators Trained in CAIR:** Continue to train state and local personnel in CAIR.

or from loose media like thumb drives. The services provided here are no longer “nice-to-haves,” but critical to 21st century policing.”



American Society of Crime Laboratory Directors / Laboratory Accreditation Board, Board Member Kevin Jones presents certificate of accreditation to SAC Ravenelle and Sheriff Weaver.



SAN DIEGO RCFL

WWW.SDR CFL.ORG

Year Opened: 1999

Laboratory Director: SSA James Mailloux, FBI

Service Area: San Diego and
Imperial Counties

Number of Agencies in Area: 80

Accredited Since: 2008

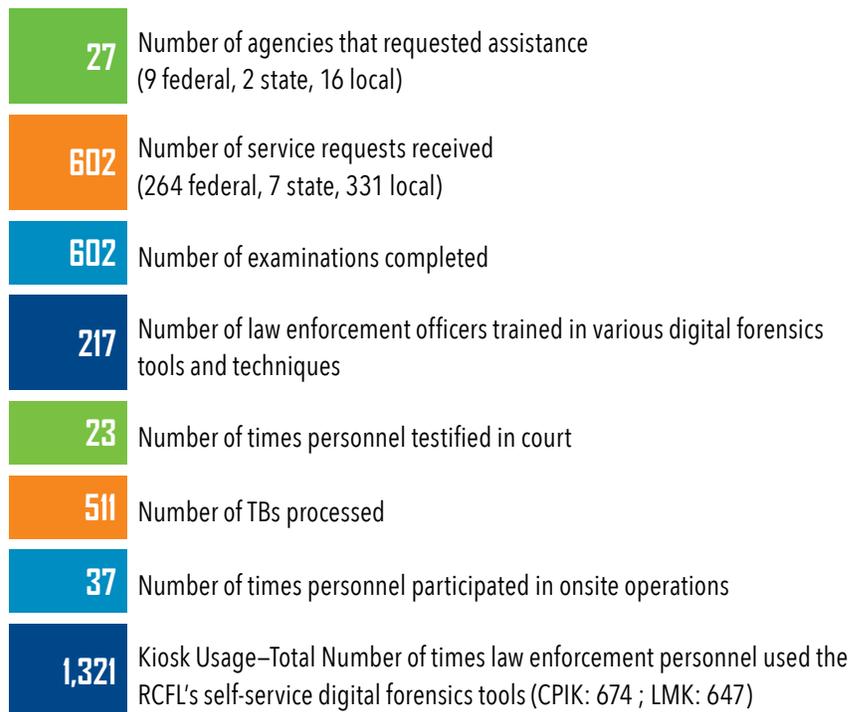


PARTICIPATING AGENCIES

- › California Highway Patrol
- › Carlsbad Police Department
- › Chula Vista Police Department
- › Department of Homeland Security–Immigration and Customs Enforcement
- › El Cajon Police Department
- › Escondido Police Department
- › FBI–San Diego Division
- › La Mesa Police Department
- › National City Police Department
- › Naval Criminal Investigative Service
- › Oceanside Police Department
- › San Diego County District Attorney’s Association
- › San Diego Sheriff’s Department
- › U.S. Attorney’s Office–Southern District of California

PROGRESS REPORT

The RCFL’s progress and accomplishments for FY13 follow-



TOP 5 CRIMES



GOALS FOR FY14

-  **Maintain Quality of Service:** Continue to maintain the forensic services of the laboratory, timeliness, and productivity of the forensic examination process.
-  **Continue to Improve Training Facility:** Further develop the San Diego RCFL as an instructional center for computer forensics and law enforcement training.
-  **Complete Lab Improvements:** This will help increase efficiency and productivity.
-  **Meet Service Request Completion Goal:** Achieve goal of completing 90% of the service requests within a 90-day period.
-  **Increase Audio/Video Support:** When training resumes, have one additional examiner complete the A/V training so that SDRCFCL can provide additional support to customers.



SAC Daphne Hearn speaking at the SDRCFCL ASCLD presentation. She is flanked by members of the SDRCFCL Local Executive Board.

NOTABLE NEWS

ACHIEVED ASCLD/LAB-INTERNATIONAL ACCREDITATION:

During FY13, the San Diego Regional Computer Forensics Laboratory (RCFL) attained International Program accreditation from the American Society of Crime Laboratory Directors' Laboratory Accreditation Board (ASCLD/LAB). The San Diego RCFL's commitment to quality has been unwavering. From its launch, the lab has followed strict quality assurance standards. It attained ASCLD/LAB legacy accreditation in 2008 and is now part of an elite group of forensic laboratories with International Program accreditation.

DIGITAL FORENSICS EXPERTISE HELPS CRACK CASES:

Investigators continue to rely on the expertise at SDRCFCL for hundreds of investigations each year. The examples below highlight the SDRCFCL's ability to respond quickly to emergency situations and to use advanced forensic techniques.

- **Sexual Assault Prosecution:** In the first-of-its kind examination by the SDRCFCL, an examiner applied advanced cell phone forensics techniques taught and authorized by the FBI's CEAU to successfully recover data from a damaged cell phone. The data was unattainable using standard digital forensics techniques. The cell phone evidence was a deciding factor in the prosecutor's decision to go forward with charges.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Maintain Quality of Service:** The SDRCFCL continued to provide timely and high-quality services to its customers during FY13. Downtime for the RCFL move to its new facility was only six calendar days (three work days). Turnaround time for examinations and CAIR reviews were both reduced. Commitment to quality validated by ASCLD/LAB International accreditation.
-  **Promote Training for Law Enforcement Partners in New Facility:** The SDRCFCL completed the new state-of-the-art, 24-person, Mac or Windows training room classroom in the new RCFL facility. During FY13 the SDRCFCL trained 217 personnel.
-  **Attain ASCLD/LAB international Accreditation:** The SDRCFCL achieved ASCLD/LAB International Accreditation in September 2013, after a full assessment conducted in February 2013, and a one-day supplemental assessment for the new lab facility following the facility move.
-  **Complete the SDRCFCL Move:** Successfully completed the move of the SDRCFCL to the new facility inside the new San Diego FBI Field Office building during FY13, with only six days of down time. Subsequently completed numerous lab improvement projects and completed new training room.
-  **Continue Service Request Efficiencies:** The SDRCFCL was very close to meeting its goal of 90% of requests completed within 90 days (at 89%). The CAIR completion time was reduced by one day; the forensic examination time reduced by two days.
-  **Increase Audio/Video Support:** Audio/video training was canceled due to FBI program cuts so SDRCFCL added no new A/V examiners. However, the SDRCFCL's current cadres of trained examiners continued to provide high-quality A/V support, implemented the A/V triage policy, and taught a video recovery course for detectives and provided onsite A/V assistance.

 Goal Met

 Partially Met

 Not Met

- **Guilty Plea in Sexual Assault Case:** A subject video recorded a sexual assault on a cell phone and then deleted the file. Standard cell phone forensics could not recover the video, but fragments in unallocated space corroborated the video's existence. The fragment was rebuilt into a lost database record using a script created by a SDRCFCL examiner. This revealed additional metadata about the video that helped investigators and led to a guilty plea.
- **Rescue of Kidnapped Teen:** The SDRCFCL performed emergency analysis of the computers of a kidnap victim and the subject and provided ongoing results to investigators trying to find the pair. Evidence found gave context to the relationship between the victim and subject. This aided police in the last stages of recovery of the victim.



**SILICON
VALLEY RCFL**

WWW.SVRCFL.ORG

Year Opened: 2005

Laboratory Director: SSA Bryant Ling, FBI

Service Area: Alameda, San Francisco, San Mateo, and Santa Clara Counties

Number of Agencies in Area: 125

Accredited Since: 2006

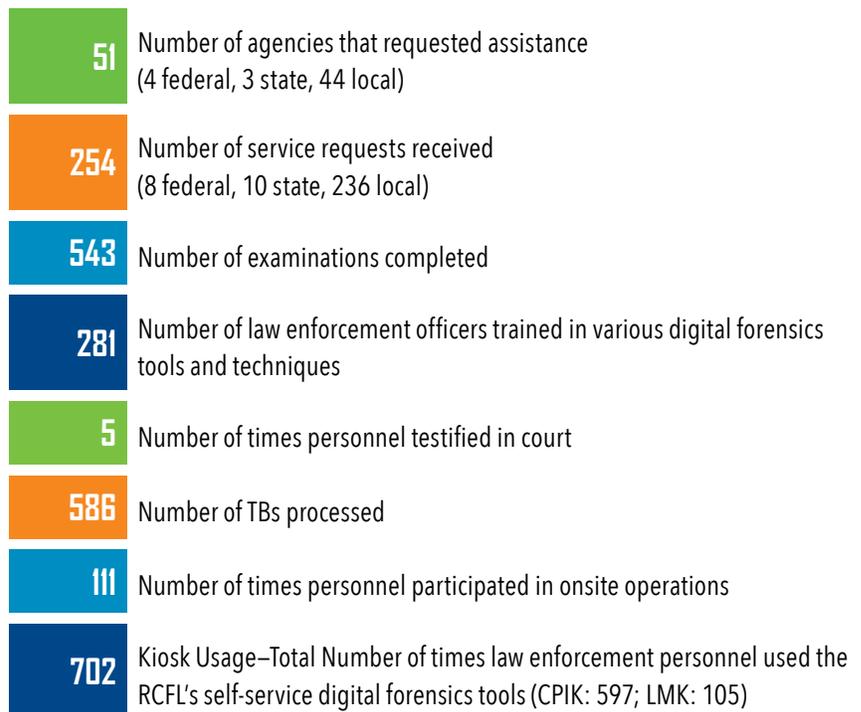


PARTICIPATING AGENCIES

- › Alameda County Sheriff's Office
- › Contra Costa Office of the Sheriff
- › FBI—San Francisco Division
- › Fremont Police Department
- › Newark Police Department
- › Palo Alto Police Department
- › San Francisco Police Department
- › San Jose Police Department
- › San Mateo County Sheriff's Office

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

SHOOTING AND SPORTS CAR THEFT INVESTIGATION:

Max Wade, a Marin County teen convicted of a series of crimes that included a gun ambush on a teenage couple and the theft of a celebrity's \$200,000 sports car, was sentenced to more than 21 years to life in prison. The investigation began on April 13, 2012, when a black-clad motorcyclist opened fire on a pickup truck in Mill Valley. The couple inside the truck, Landon Wahlstrom, 18, and Eva Dedier, 17, ducked and were only slightly injured by flying glass. Marin County sheriff's investigators were able to rapidly identify the suspect as Wade, with the help of SVRCFL, who provided forensic support. During the shooting investigation, authorities discovered that, a year earlier, Wade had stolen a yellow Lamborghini owned by a Food Network celebrity by rappelling into a car dealership and driving off with the car.



BOSTON MARATHON BOMBING INVESTIGATION SUPPORT:

The SVRCFL sent one examiner to Boston to support digital evidence review.

PULSE CHECK: STATUS OF FY13 GOALS

- 
Provide Remote Network Access to Evidence: The SVRCFL made incremental progress toward this goal, in spite of limits imposed by sequestration.
- 
Promote Training: The SVRCFL continues to provide evidence review training for participating agencies, and began cellular phone seizure and analysis training for investigators.
- 
Enhance Examiner Capabilities: Examiners earned four advanced certifications, and enhanced skill sets through GETA training, research, and testing.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

- 
Recruit and Train New Examiners: The SVRCFL staffing decreased by two forensic examiners in FY13. The goal for FY14 is to train two personnel from participating agencies.
- 
Prepare for Digital Evidence Extraction Technician (DEXT): Prepare the SVRCFL for DEXT training.
- 
Upgrade Facility: Complete air conditioning and storage upgrades in the SVRCFL server room.
- 
Network Connection: Complete operational wide area network connectivity to Oakland Resident Agency.



WESTERN NEW YORK RCFL

WWW.WNYRCFL.ORG

Year Opened: 2006

Laboratory Director: SSA Robert Kosakowski, FBI

Service Area: 17 Counties in Western New York

Number of Agencies in Area: 137

PARTICIPATING AGENCIES

- › Buffalo Police Department
- › Erie County Sheriff's Office
- › FBI–Buffalo Division
- › Monroe County Department of Public Safety
- › Niagara County Sheriff's Office
- › United States Department of Homeland Security U.S. Border Patrol

PROGRESS REPORT

The RCFL's progress and accomplishments for FY13 follow-



TOP 5 CRIMES



NOTABLE NEWS

CONVICTIONS IN TRIPLE HOMICIDE: A federal jury found three defendants guilty of committing a triple murder in the town of Greece, NY on March 9th, 2010. Richard Anderson, Andrew Wright and Aston Johnson were convicted of the murders of three victims—Christopher Green, Robert Monciffe and Mark Wisdom. The defendants were also convicted of conspiracy drug charges. Three WNYRCFL examiners testified during the 10-week trial. According to evidence presented at trial, the defendants traveled to Rochester from Phoenix and targeted the victims because they believed they were cheating them out of proceeds from the sale of marijuana. Authorities tracked the men across multiple jurisdictions. Federal, state and local law enforcement agencies from New York, Ohio, Arizona and California worked on the investigation, tracking the defendants across multiple jurisdictions. All three subjects were sentenced to life in prison. WNYRCFL assisted with the investigation.

TOYS-R-US MURDER INVESTIGATION: WNYRCFL staff members examined seized phones, computers, and provided video assistance for an investigation into a June 2013 murder in the back office of Hamburg, NY Toys-R-Us store. In October, Bernard Gruzca, a regional manager for the toy chain, was arrested and charged with second degree murder for the slaying of assistant store manager, Larry Wells. Gruzca pleaded not guilty to those charges. In a plea deal, Gruzca later pleaded guilty to first-degree manslaughter.

PULSE CHECK: STATUS OF FY13 GOALS

-  **Complete DCAP Installation:** The WNYRCFL completed the installation of the DCAP, the tool that enables state and local agencies to review the results of a forensic examination online in a secure environment rather than needing to travel to the RCFL to review results.
-  **Add to the Ranks:** The WNYRCFL began discussion with New York State Department of Taxation and Finance in FY13. The department has committed to participating in the RCFL and will begin in FY14.
-  **Certify New Trainers:** FBI Train-the-Trainer classes were canceled due to budget cuts, so no WNYRCFL personnel became certified to teach RCFL classes.

 Goal Met

 Partially Met

 Not Met

GOALS FOR FY14

-  **Make Progress Toward ASCLD/LAB Accreditation:** Complete ASCLD/LAB accreditation pre-inspection and schedule a full inspection in FY15.
-  **Add One Additional Participating Agency:** Recruit at least one new agency to join the WNYRCFL.
-  **Increase Audio/Video Capability:** Have one WNYRCFL detailee become certified by the FBI's Forensic Audio, Video and Image Analysis Unit (FAVIAU) as a certified examiner in audio and video disciplines.
-  **Certify New Trainers:** Restart the WNYRCFL training programs by having at least one examiner certified to teach classes for RCFL law enforcement customers.



ACKNOWLEDGMENTS

The progress and accomplishments described in this report would not be possible without the FBI's continued support, as well as our invaluable partnership with the Asset Forfeiture Fund, and those relationships formed with our participating agencies nationwide, including—

CALIFORNIA

Alameda County Sheriff's Office

Anaheim Police Department

California Highway Patrol

Carlsbad Police Department

Chula Vista Police Department

Contra Costa Office of the Sheriff

Department of Homeland Security—Immigration and Customs Enforcement

El Cajon Police Department

Escondido Police Department

FBI—Los Angeles Division

FBI—San Diego Division

FBI—San Francisco Division

Fontana Police Department

Fremont Police Department

Fullerton Police Department

Irvine Police Department

La Mesa Police Department

Los Angeles County Sheriff's Department **NEW**

Los Angeles Police Department **NEW**

National City Police Department

Naval Criminal Investigative Service

Newark Police Department

Newport Beach Police Department

California (Continued)

Oceanside Police Department
 Ontario Police Department
 Orange County District Attorney's Office
 Orange County Sheriff's Office
 Palo Alto Police Department
 Riverside County District Attorney's Office
 San Diego County District Attorney's Association
 San Diego Sheriff's Department
 San Francisco Police Department
 San Jose Police Department
 San Mateo County Sheriff's Office
 Santa Ana Police Department
 U.S. Attorney's Office—Southern District of California

COLORADO

18th Judicial District Attorney's Office
 Adams County Sheriff's Office
 Arvada Police Department
 Aurora Police Department
 Colorado Bureau of Investigation
 Denver District Attorney's Office
 Denver Police Department
 Douglas County Sheriff's Office
 FBI—Denver Division
 Jefferson County Sheriff's Office
 Lakewood Police Department NEW
 Littleton Police Department NEW
 Thornton Police Department

IDAHO

Ada County Sheriff's Office
 Boise City Police Department

ILLINOIS

Aurora Police Department NEW
 Berwyn Police Department NEW
 Chicago Inspector General's Office
 Chicago Police Department
 Cook County Sheriff's Office
 Cook County State's Attorney's Office
 FBI—Chicago Division
 Joliet Police Department
 Lombard Police Department
 Oak Park Police Department
 Palatine Police Department
 U.S. Customs and Border Protection

KANSAS

Johnson County, Kansas Sheriff's Office
 Kansas Bureau of Investigation (KBI)
 Kansas City, Kansas Police Department
 Lawrence, Kansas Police Department
 Lenexa, Kansas Police Department
 Olathe, Kansas Police Department
 Overland Park, Kansas Police Department
 Shawnee County, Kansas Sheriff's Office
 Topeka, Kansas Police Department
 U.S. Attorney's Office—District of Kansas

KENTUCKY

FBI—Louisville Division
 Jefferson County Sheriff's Office
 Kentucky Department of Criminal Investigations
 Kentucky State Police
 Louisville Metro Police Department
 Office of the Attorney General
 University of Louisville

MISSOURI

Clay County, Missouri Sheriff's Office
 FBI—Kansa+B121s City Division
 Gladstone, Missouri Police Department
 Grandview, Missouri Police Department
 Independence, Missouri Police Department
 Kansas City, Missouri Police Department
 Lee's Summit, Missouri Police Department
 Missouri State Highway Patrol
 North Kansas City, Missouri Police Department
 Platte County, Missouri Sheriff's Office
 U.S. Attorney's Office—Western District of Missouri
 U.S. Department of Agriculture—Office of Inspector General

MONTANA

Billings Police Department

NEW JERSEY

Essex County Prosecutor's Office
 FBI–Newark Division
 Jersey City Police Department
 Monmouth County Prosecutor's Office
 NEW
 New Jersey Division of Criminal Justice
 New Jersey Office of the Attorney General
 New Jersey State Police
 Summerset County Prosecutor's Office

NEW MEXICO

Albuquerque Police Department
 Bernalillo County Sheriff's Office
 FBI–Albuquerque Division
 Homeland Security Investigations NEW
 New Mexico State Police Department
 U.S. Fish & Wildlife Service, Office of Law Enforcement
 University of New Mexico

NEW YORK

Buffalo Police Department
 Erie County Sheriff's Office
 FBI–Buffalo Division
 Monroe County Department of Public Safety
 Niagara County Sheriff's Office
 United States Department of Homeland Security-B161U.S. Border Patrol

OHIO

Dayton Police Department
 FBI–Cincinnati Division, Dayton Resident Agency
 Miami Valley Regional Crime Laboratory

OREGON

Beaverton Police Department
 FBI–Portland Division
 Hillsboro Police Department
 Multnomah County Department of Community Justice
 Oregon State Police
 Portland Police Bureau
 Washington County Sheriff's Office

PENNSYLVANIA

Buck's County (PA) District Attorney's Office
 Delaware County (PA) District Attorney's Office
 FBI–Philadelphia Division
 Montgomery County (PA) District Attorney's Office
 Philadelphia Police Department

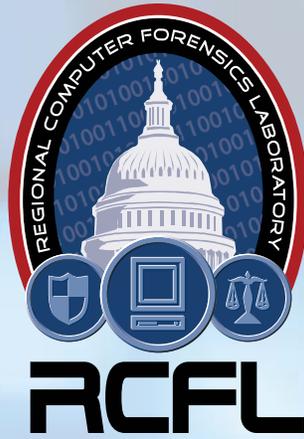
TEXAS

Dallas Police Department
 FBI–Dallas Division
 FBI–Houston Division
 Garland Police Department
 Grand Prairie Police Department
 Harris County Precinct 4 Constable's Office
 Harris County Sheriff's Office
 Houston Police Department
 Pasadena Police Department
 Plano Police Department
 Texas Department of Public Safety

UTAH

Davis County Sheriff's Office NEW
 FBI–Salt Lake City Division
 Salt Lake City Police Department
 Sandy City Police Department
 Utah Attorney General's Office
 Utah Department of Public Safety
 West Valley City Police Department

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