



City Of Rocklin

Chief's Chatter by Chief Ron Lawrence



Chief Ron Lawrence

Police work in Rocklin is about to get a whole lot more analytical. I am proud to announce that we have re-structured our profes-

sional staff allowing us to hire a new Crime Analyst, a position that has gone unfilled for many years and a function that has been done ad-hoc by existing employees with other primary duties. On August 18th, we will welcome Stefani Myers as Rocklin PD's newest professional staff employee who will fill a new role of crime analyst, an important function involving detailed and systematic analysis for recognizing and examining patterns and trends in crime. Think of crime analysis as "smart policing," a constant and dedicated critical review of crime patterns and criminal behavior to allow us to catch criminals even more rapidly than we already do. Our Crime Ana-

lyst will help us to better deploy resources in an effective way to prevent crime, identify suspects, and apprehend criminals. By closely examining police reports, a crime analyst can formulate a nexus between different criminal acts that are difficult to spot without detailed analysis, identify suspects in a crime series, and recognize important links between crimes that have occurred in Rocklin and surrounding communities. Additionally, a crime analyst can forecast emerging crime patterns and identify crime "hotspots" to assist us in preventing crime from occurring in the first place by deploying resources where we need them most. A crime analyst can decipher what types of crimes occur during specific times of the day, certain days of the week, months of the year, and even recognize types of crime occurring during specific seasons. In essence, our new Crime Analyst will closely assist me in charting a course for the Police Department by recommending when and where we deploy re-

sources, and she will help our detectives as well as patrol officers determine how we deter and combat crime in the future. Who knew being analytical could be so exciting? Our new Crime Analyst Stefani Myers comes to Rocklin with experience as a crime analyst with the Cities of Richmond and Woodland, California. Please join me in welcoming Stefani, who will be an important member of my staff in helping keep Rocklin safe!



Crime Analyst, Stefani Myers

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2014 CALEA Status Update by Captain Chad Butler (and Lt. Richardson)



Captain Chad Butler

As we embark on our journey toward our 3rd reaccreditation, I wanted to provide an update on where we currently are in the process.

As of August 1st 2014, we are approximately 30% completed with the proofs needed for this year. With that said, we are actually on track given that it does require time each year

to build up a pool of proofs to generate. In the very near future, each Division will be provided an updated list of current proofs needed and just like the previous reaccreditation cycle, all members of our agency will be called upon to assist in providing the proofs needed for your Division to close out this year's cycle. The reason we ask all employee's to be engaged in the process is that it helps us all realize what proofs we need to prove each year and how you can help accomplish our goal. It's obvious from our previous reaccreditations

that as an agency, we do what we say we do, and each and every one of you contribute on a daily basis with the incredible work you do for our community. Now it's time to prepare our documentation to show our future CALEA assessors how outstanding we are as an agency in doing what we say we do and proving it. And, as a contribution to this article from Lt. Richardson, "Let's Do This"!



Statistics, What Are They Good For? by Police Services Administrator Sandi Bumpus



Administrator Bumpus

sta-tis-tic (noun) - A fact or piece of data from a study of a large quantity of numerical data

Statistics...we in government seem to highlight our "stats" in nearly every public forum. The 19th-century Scottish anthropologist, Andrew

Lang once said, "An unsophisticated forecaster uses statistics as a drunken man uses lamp-posts - for support rather than for illumination." Conversely, at Rocklin PD, statistics are used as a tool to better understand trends, prepare for emergencies, and forecast and meet future needs, not as a platform for becoming entrenched in the status quo.

For example - during a recent review of answer times for 9-1-1 calls over the last six months, it was determined that Rocklin's public safety dispatchers are answering 9-1-1 calls within the first 10 seconds 97.38% of the time; a statistic that places our answer rate as the highest in the region. While impressive, this statistic is

further evaluated in conjunction with days of the week and the time of day the majority of calls are received, allowing us to ensure an appropriate staffing compliment and efficient methods exist to maintain and even improve the current answer rate.

In our Records Unit, we recently received a 100% customer satisfaction rate based on customer comment cards received over a specified period of time. While it would be natural to set our "cruise control" following this excellent customer service rating, it is clear that customer service needs are ever evolving, and we must match our efforts to the trends identified through statistical review.

Using statistics to provide "illumination" into the future is just one measure of our commitment to meet both the current and long-term needs of our community.

Placer County has some very unique challenges when it comes to public safety agencies having the ability to communicate with one another. This week, one of those major challenges was addressed when Placer County's Office of Emergency Services agreed to use regional Department of

Homeland Security grant funds to purchase dual-band portable radios for agencies within the county not currently equipped with this interoperable communications solution.

Topography, available radio bandwidth, and agency-specific needs have resulted in a variety of Land Mobile Radio (LMR) solutions within the county. If emergencies stopped at the jurisdictional boundaries of our cities and counties, and if each agency was staffed to handle even the largest disaster, diversity in radio communications would not be a problem. Because that is impossible for even the largest metropolitan organization, working together in mutual-aid settings is quite common in the region.

In the coming months, Placer County's first responders will be equipped with dual-band portable radios, facilitating communication between agencies with conventional VHF and trunked 800 MHz radio systems. Improved emergency communications will significantly enhance both officer and public safety. Thanks and appreciation is in order to Placer County OES, the grant approval authority, and those who have worked regionally to make this solution a reality.

Various Operations Division Matters by Captain Lon Milka



Captain Lon Milka

On behalf of the entire department, I would like to thank all of those who applied for the police lieutenant, sergeant, and corporal positions. The experience level and concern for the community of each candidate was vast and amazing.

While we had many qualified candidates for each position, only a very limited number of positions were available.



Congratulations to Lieutenant Scott Horriolo, Sergeant Gil Farrulla, and



Corporals Chris Osborne and Dan Groff.

Kudos to all officers who helped the city's various departments get a handle on the speeding vehicle concerns that residents have had on Midas Ave., Argonaut Ave., and Whitney Blvd.



Motorcycle officers Corporal Dan Groff, Jason Maschmeyer, and Steve Ortmann played a critical role in enforcement and in driver education during a stepped-up enforcement period. However, patrol officers were instrumental in the process as well

because of their increased visibility on these roadways. The city council will be presented with a joint staff report from our department and from Public Services regarding the area and vehicular speeding later this month.

On August 4th we introduced our new mobile app by USPDHub. We now have better two-way communications with our residents; TIPS from citizens directly into Dispatch and various notifications from different department units to citizens. Be sure to encourage those with whom you come into contact with to download the app.



Animal Control Officer Stacy Stout has done a fantastic job being the sole ACO right now. She has become our animal expert in a very short period of time. Nice work, Stacy! Help is on the way because we currently have another ACO in the background phase. We hope to provide Stacy with help very soon.



South Placer Jail Now Open by Sergeant Gil Farrulla



Sgt. Gil Farrulla

Several years ago, construction began on a new jail facility to help ease jail overcrowding and capacity problems for law enforcement in Placer County. The new facility named, South Placer Jail, is finally open and housing inmates.

It is located directly next to the Santucci Justice Center in Roseville. A couple of months ago, the jail held an "open house" event and offered tours to the public. I was fortunate to take a tour, and I came away amazed at the new facility.

The jail building is approximately 200,000 square feet and has a rated capacity of 420 inmates. However, the jail is currently housing only about 240 inmates during the phased opening. As part of the phased jail opening, the Auburn Minimum Security facility was closed. The eventual build out with planned expansions will enlarge the jail facility to about 319,000 square feet and allow for the housing of about 1,000 inmates.

The South Placer Jail features state of the art equipment for the Correctional staff including: touch screens, audio recording throughout the facility, and hundreds of surveillance cameras. It also has a huge kitchen area where all meals for all county inmates will be prepared. The medical services unit has been expanded and now includes a full dental treatment area.



The jail also features video visitation technology. There is even an underground tunnel connecting the jail to the nearby courthouse. Future planned expansions and openings will allow all Police Officers patrolling the South Placer County area to book their arrestees at the new jail, instead of having to travel to Auburn. One of the many reasons the new jail was needed and built

included the recent "Public Safety Realignment" legislation.

In 2011, the California Legislature enacted Assembly Bill 109, which called for "Public Safety Realignment." This dramatically changed how the state housed and monitored prison inmates. Many of the inmates that would have previously been sent to prison were and are now housed at county jails on multi-year sentences. This ripple effect caused the state-wide county jail population to explode and forced counties, including Placer County, to release offenders that would normally be incarcerated. This new facility will help ease and reduce some of the forced releasing of inmates due to over-crowding. It also provides for better care of inmates in custody serving multiple year sentences as required by law. Anyone that would like more information about "AB 109" can visit <http://www.cdcr.ca.gov/realignment/>.



Rocklin Public Safety Volunteers by Volunteer Program Coordinator, Sumer Regalia



Sumer Regalia

In 2013, Rocklin's public safety volunteers gave over 108,000 service hours to both the police and fire departments. In the police department they serve in the Operations, Investigations, and Support Services divisions, and in Administration, Prevention, and Suppression for the fire department.

Becoming a Rocklin public safety volunteer is not as simple as just expressing the desire to do so. Applicants go through an actual hiring process and then must complete an intensive 10-week academy prior to being assigned. There may be a misconception that volunteers are just randomly picked from a group of interested parties, given some basic instruction, and then given a task. This could not be farther from the truth. Each person accepted into the annual Volunteer Academy has gone through interviews, background checks, fingerprinting, and a detailed overview of their application packets to determine an appropriate fit.

The 10-week academy itself includes thirteen sessions with current volunteers, professional staff, sworn staff, and outside professionals serving as instructors. A volunteer's impact to public safety and the community is highly emphasized along with the importance of maintaining skill in assigned areas of responsibility. In addition to academy training, routine, ongoing training throughout the year is provided to ensure currency related to proper techniques and policies are

appropriately applied.

Volunteerism is the hallmark of a highly-functioning society and provides an opportunity for citizens to give their time, energy, and efforts for the betterment of their community. Rocklin's public safety volunteers continue to set an example for all of us to follow.



Pride of Roseville Awards by Lieutenant Scott Horrillo



Lt. Scott Horrillo

On Wednesday, August 6, 2014, members of the joint Rocklin-Roseville SWAT Team received the "Pride of Roseville" award. Roseville City Manager Ray Kerridge and Roseville Mayor Susan Rohan

presented the awards to team members at a ceremony held in downtown Roseville. This award recognized the SWAT team's involvement and performance in a large scale critical incident in Roseville in October, 2013. Team members receiving the award were Officers Luke Griffin, Darrell Jantz, Jeremy Black, Corporal Chris Osborne, Sergeant Rich Cabana, Rocklin Fire-Fighter/Paramedic Kevin Shepard and Lieutenant Scott Horrillo.



Officer
Luke Griffin



Officer
Darrell Jantz



Officer
Jeremy Black



Corporal
Chris Os-



Sergeant
Rich Cabana



Firefighter
Kevin Shepard



New Dispatcher in Communications Unit by Administrator Sandi Bumpus



Administrator Bumpus

Rocklin's public safety team welcomes its newest Public Safety Dispatcher, Ashley Owen. Ashley is a veteran lateral dispatcher with over seven years experience at Placerville Police Department. Ashley will begin training with CTO Heidi Hopper on August 25, 2014 following her certification as an Advanced Emergency Medical Dispatcher the week of August 18, 2014.



FBI SWAT Training Day by Officer Greg Jensen



Officer Greg Jensen

In June 2014, the Rocklin Roseville SWAT team participated in a FBI SWAT training day. SWAT teams from around Northern California participated in this training. Our SWAT team had the privilege of instructing an officer down tactic from lessons that were learned from an incident in October of 2013. As some members were assigned to the instruction phase of this training, other members participated in the tactics other agencies instructed. Some of the training topics included the integration of fire department personnel with SWAT, using SWAT in combination with a canine and different shooting tactics. We also learned the California Association of Tactical Officers is planning an accreditation for tactical officers that would have a focus on specialized skills, functional roles and cognoscenti. This accreditation

process is in the early processes and is planned to be implemented by 2019. This training provided by the FBI is a great example how departments can exchange information at a professional level and how everyone benefits.



Technological Vulnerability and Your Vacation? by Corporal Chris Spurgeon



Corporal Chris Spurgeon

I am a creature of habit as many of us are. When I check into a hotel (no matter how nice it looks) I usually go through a ritual. Being a former Crime Scene Investigator, the first thing I do is fold-up the bedspreads and place them in the corner of the hotel room. FYI, the hotel does not wash them. The second thing I do is to make sure my Wi-Fi setting on our cell phones is turned off. I do not want to connect to the public access hotel Wi-Fi. I will go over

man-in-the-middle attacks in another news letter. The third ritual is to closely inspect my door lock.

Cody Brocious, a Security Researcher and Software Engineer at Mozilla presented a White Paper in 2012 about the security issues with the over 4 million Onity HT lock systems installed in hotels nationwide and on the market since 1993. Everyone in a hotel with these locks is vulnerable.



The primary components of the Onity HT lock system is an *encoder* (located at the front desk) which makes keycards and loads data into the portable programmer (*PP*). The *PP* loads data into the door lock and opens the lock. The *PP* initializes data into the door lock for the first time, updates the time/date into the lock, tests the lock and shows diagnostic data about the lock, reads openings and obtains the audit report from the lock. Did I mention the *PP* also **opens** the lock?

The *PP* uses a barrel-type connector and attaches to the bottom of the front face of the lock. The port is accessible without removing any hardware and communication happens over a one-wire protocol with the other wire being a shared ground.

To communicate with the lock physically, you'll need the following: A microcontroller and a specific data line (not mentioning type in this article), and a DC barrel plug to physically mate with the lock. These items depending on the board you get can be \$20 or less from a RadioShack.

If you can read the memory on the lock, the keys to the castle are

there. Dealing with authentication would be a problem but reading the memory on the Onity lock does not require authentication (what?). Send the lock an address, it sends you memory, that's it. Complete time for reading the memory and opening the lock is about 200 milliseconds. This will create an entry in the audit report that shows the *PP* having been used to open the lock but it doesn't alter any data on the lock or inhibit normal functioning. The exploit can take you farther, and you can create your own guest card for the door using the door lock itself and make copies of any master card programmed into the lock. One code is loaded into every lock at the property and used for cases where the encoder is out of service. This code can be read from memory and make a skeleton key for the entire facility.

If you're carrying around an exposed circuit board and a bunch of wires people are going to notice you. But a dry erase marker won't turn any heads. And this one holds its own little secret. It acts as a master key for hotel room door locks.



In a 2012 article by [ARS Technica](#), a Houston based Hyatt Hotel had a burglary published involving the theft of a laptop computer belonging to an IT Consultant for Dell. The burglary occurred in a locked hotel room. Management for the hotel later concluded the thief accessed the room by exploiting a vulnerability in the electronic door lock provided by Onity. The exploit was unveiled at the Black Hat security conference in Las Vegas that year.

Representatives for the firm that owns the Houston-based Hyatt told another magazine it implemented a fix for the vulnerability following the burglary; about two months after Onity had been notified about the exploit. That fix amounted to putting "epoxy putty" into a small hole in each hotel room lock until management puts in place a more permanent solution. Mechanical approaches are a good temporary fix but they aren't good long-term solutions because they rely on security through obscurity.

The only way to permanently fix the locks, according to researchers, is to replace the circuit board of each vulnerable lock. That's something Onity is asking hotel customers to pay for rather than covering the costs itself.

Bottom line, YOU are the first person responsible for YOUR safety. Be aware of your surroundings. Be aware that technology may not be a safeguard, but may be a vulnerability. Take precautions to safeguard yourself and your valuables. Nothing in this article is new, everything can be found on the Internet and this exploit has been known and published since 2012. I am hoping you use this information to give a second thought before leaving small valuables in a hotel room thinking it's safe. When you're inside a hotel room, consider using the door chain if you don't already do so.