



CSU Fresno
Dept. of Criminology
Newsletter XXXX

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Global News

DEBIT CARD FRAUD

The rising number of cases of criminal organizations, especially those from Eastern Europe, electronically skimming or intercepting debit card information during bank ATM transactions, has prompted German banks to consider the issuance of two different debit cards to their customers. One card with only encrypted information on a computer chip, and another with the information contained on the typical magnetic strip on back of the card.



German debit card with integrated data chip

The reverse of the German debit card with the magnetic strip looks like any other debit card in the United States:



The information on the magnetic strip is easily skimmed and then duplicated by individuals or members of organized crime, but such information cannot be retrieved from cards which have all of the card holder information on a data chip instead of a magnetic strip.

ATMs which need to access information from the magnetic strips on Debit cards primarily exist outside of Europe, especially in the United States. For customers travelling to such countries the banks will continue to provide a debit card with magnetic strips. For use within Europe, however, banks will issue debit cards with only a data chip and no magnetic strip.

This newsletter is not an official publication of CSU Fresno or the Department of Criminology. Dr. H.O. Schweizer is the sole author and responsible for its content. You can email him at: haralds@csufresno.edu

DEBIT CARDS AND ATMs...

Not well known in the United States is the use of electronic countermeasures at bank ATMs which defeat the magnetic reader of a skimming device attached to the top of the ATM's own card reader and which is made to look like it is part of the ATM. The disrupting device is a CPK+ module that costs about \$1300 US and is easily installed in ATMs.

This module disrupts the skimmer's ability to read the information on the magnetic strip until the card has passed the skimmer and is completely inserted into the bank's card slot. At that time the module shuts off until it is again retrieved from the bank's card slot.



The CPK+ module costs about \$1300 US and is easily installed in ATMs. Interestingly, this countermeasure is not known to be used in the United States.

The fraudulent use of their debit card information is not the only problem account holders experience world wide. Also very common is the unauthorized access (hacking) of bank accounts and the subsequent transfer of funds to criminal enterprises. A German banking response to this type of fraud is discussed in the March 2010 newsletter.

The Japanese Jury

The new lay judge or jury system implemented in Japan over one year ago was recently evaluated with interesting results. A report by NHK Japanese Television cited a study which surveyed about 5000 lay persons who served as lay judges in about 500 court trials, and which found that the jury or lay judge system was far from popular.

Fewer than 25% of the public were interested in serving as lay judges and persons who did serve held negative impressions of defense attorneys. Lay judges found defendants guilty in every case heard and in sex offenses their sentences exceeded that normally given for similar offenses before the implementation of jury trials. This was also the first time that in some cases sentences given exceeded penalties asked for by the prosecutor.

Jurors or lay judges were furthermore annoyed that defense attorneys wasted time by challenging or questioning relevant and reliable evidence. The implementation of the lay judge/juror system was discussed at length in the December 2007 newsletter.

With the lay judge system prosecutors, judges and defense attorneys must now contend with non-professionals (lay judges) and adjust their court room performance accordingly. Prosecutors in Okinawa have even begun to use citizen volunteer observers to rate their performance during actual court trials in order to identify weaknesses and improve their skills.

Tech-Bits



World Cell phones



If you are travelling to Europe, Asia , or anywhere in the world, the Pantech Reveal C790 will work with just about any cell phone system, including Japan and Korea.



PANTECH REVEAL C790

It is important to note, that while 3G phones, for example, are used world-wide, just having a 3G cell phone does not mean it

can be used in other countries, since the 3G (UMTS) in other areas of the world differ from those in the United States. The Pantech Reveal C790, however, does it all.

The Pantech Reveal C790 can be obtained through AT&T as part of your contract, but requires customers to subscribe to a data or other type of plan costing at least \$20 per month. On a typical two year contract that ends up costing you \$480 just for having THAT phone and not a simple cheap one. Another option is to purchase an “unlocked” C790 on Ebay that will typically cost from \$120-\$180. This unlocked phone can then be used with the SIM card of any cell phone service provider.

If you have the C790 provided by AT&T and wish to have it unlocked so you can use it with other providers, you can either use one of many unlock services found on the Internet to obtain the unlock code, or you can try calling AT&T which sometimes will provide you with the unlock code for free. More information on the unlocking issue is in the July 2008 newsletter which can be accessed at:

<http://zimmer.csufresno.edu/~haralds/newsletter.htm>

The Pantech Reveal C790 can operate on the following frequencies/bands* :

GSM 850Mhz, GSM 900Mhz, GSM 1800Mhz, GSM1900Mhz, UMTS 850Mhz, UMTS 1900 Mhz, and

UMTS 2100Mhz networks in North America, South America, Europe, Africa, and Asia-Pacific where these networks are supported. (Automatic band switching)

*Source: C790 user guide



Government agencies are unable to intercept Skype conversations and/or messages due to the nature in which it is transmitted over the Internet. As a result, the only method to monitor Skype traffic is at the source, i.e. monitor the person where the original conversation takes place. While this causes problems for police and security agencies, it also provides such agencies with a communication option that can be more secure than the typical "land line" telephone system and it is FREE.

Read more in "Skype Encryptions Stumps Police" at:

http://www.nzherald.co.nz/technology/news/article.cfm?c_id=5&objectid=10477899

CRIMINOLOGY DEPARTMENT NEWS

Graduating Criminology Honors Students recently attended a reception in their honor at the University Vintage Room Restaurant.



DOWNTOWN DEGREE PROGRAM RECEPTION 1 May 2010

Current and former students in the off campus B.S. and M.S. criminology degree programs mingled with faculty and other students at a program reception held in the Criminology Department Office Suite in Science II. Food and refreshments were provided for all attendees.



Foreground: Rick Hill and Dr. T. Wielicki

OFF CAMPUS (DOWNTOWN FRESNO) GRADUATE PROGRAM

The cohort based program is now accepting applications for the second cohort to begin their coursework in January 2011. The application process consists of two components, one being the application for graduate study in Criminology, which can be submitted to the Criminology Department beginning immediately, and the university application for graduate admission through CSU Mentor which will be accepted on line beginning 1 August at:

<http://www.csumentor.edu/>

DOWNTOWN GRADUATE PROGRAM

Detailed admission requirements, the course schedule and calendar, and links to on-line forms can be accessed at the downtown graduate program webpage at:

<http://zimmer.csufresno.edu/~haralds/downtowngraduateprogram2011.htm>

Additional information can also be obtained from Dr. Schweizer haralds@csufresno.edu

The graduate study towards the M.S. in Criminology is a blend of administration and theory courses, including courses on intelligence and homeland security.

Two new courses will be part of the second cohort's coursework. One is Crisis Management in Criminal justice, and the other Project Management in Criminal Justice. Crisis Management will be taught by Dr. Bill Bommer of the CSU Fresno School of Business, who has expertise in crisis management through his work with the Center for Disease Control, and who is also a private business consultant.

Project Management is today's hot topic in Business and Organizational Management and will be taught by Dr. Tomasz Wielicki, also from the CSU Fresno School of Business.

The graduate coursework towards the M.S. in Criminology consists of ten three unit courses beginning on 14 January 2011 and ending in December 2012 and the cost of each course is \$825. The program coursework ends with a comprehensive examination as the required "culminating experience." In order to graduate, students must have at least a 3.0 GPA and also pass the lengthy comprehensive exam.

EMPLOYMENT OPPORTUNITIES



The Tulare County Sheriff's Department is hiring qualified applicants. For more information visit:

http://www.co.tulare.ca.us/government/sheriff/employment_opportunities/default.asp

or contact Personnel and Training, Tel. 559-733-6246.

PEACE OFFICER

OFFICE OF PROTECTIVE SERVICES Porterville Developmental Center

The Porterville Developmental Center (PDC) is a facility that has over 2000 employees and serves people with developmental disabilities in an area occupying 668 acres. Its Office of Protective Services employs peace officers with full police powers and offers peace officer retirement at 3% at age 50, and a variety of additional benefits and pay incentives. Applicants must be POST certified to apply. For additional information contact PDC Personnel: 559-782-2087



Now hiring. Visit www.ice.gov for more information.

EMPLOYMENT....



BAY AREA RAPID TRANSIT POLICE

Now hiring entry level police officers. Salary after academy: \$5,548-\$7,422 per month. Visit www.bart.gov/police
The BART police department employs 215 sworn officers and the benefit package is extraordinary.

TOP NOTCH POLICE DEPT. EMPLOYEE AND BUDGET AX VICTIM OF THE CITY OF FRESNO NEEDS GAINFUL EMPLOYMENT

LT. David Newton has a “former” highly trained civilian employee who was assigned to the Criminal Investigations Bureau, but who is now unemployed due to budget cuts. The employee has many years of experience, having worked in other police units prior to being specifically assigned to the criminal investigations bureau. She has a proven record of dependability, tenacity, and attention to detail. As a result, this employee is considered the “best of the best,” with previous assignments in field operations, the court prosecution office, narcotics in public housing, and the domestic violence unit.

If your company or organization is looking for a reliable, bilingual (Spanish speaking)

employee with an excellent work history, please contact
Lt. David Newton
Criminal Investigations Bureau
Fresno Police Department
(559) 621-2402

Author’s Note: A recommendation by LT NEWTON can be taken to the bank.

Police Memorabilia



Precinct 5 Deputy Constable Badge

Each county in Texas has multiple voting precincts and each such precinct has an elected constable who then hires/appoints deputy constables in order to serve “papers” and warrants issued by the elected justice of the peace in the particular county voting precinct. Constables and deputy constables are Texas peace officers and have full law enforcement powers. Many constable departments have enlarged their responsibilities by contracting with various communities both inside and outside of incorporated cities, to provide additional basic law enforcement services for a fee.