

Keynotes

October 2004

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Also in this Issue: The Kaba Mas X Series,
A Spooky Halloween Special Feature, The latest
on the ALOA Scholarship Foundation, and More!

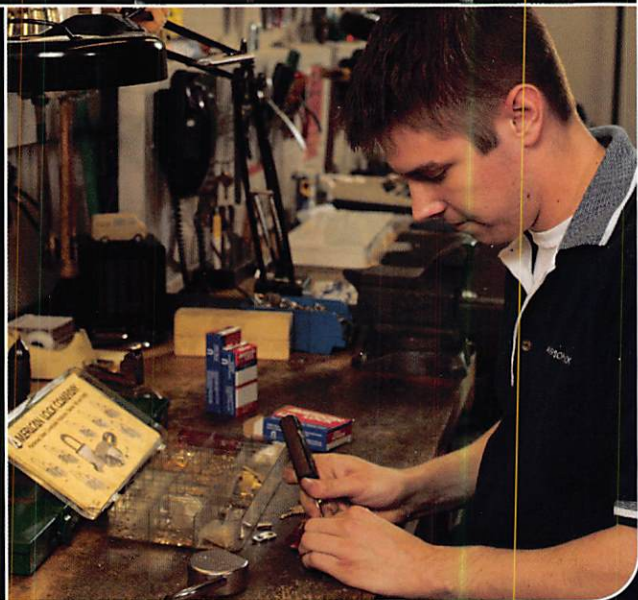
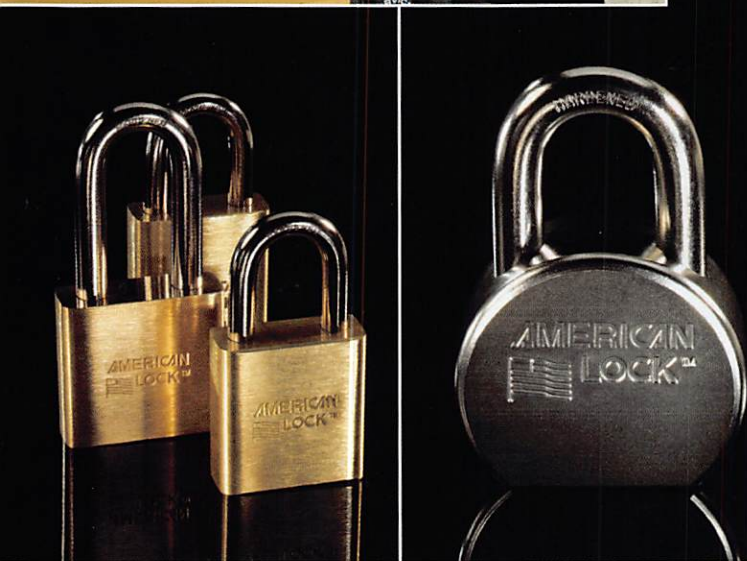
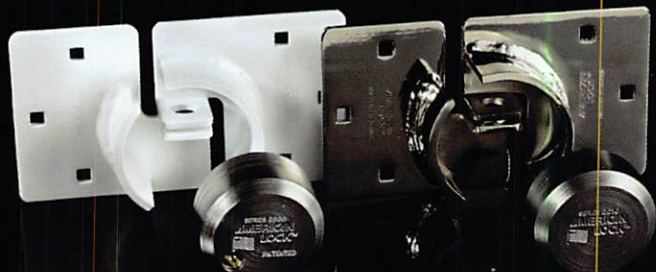
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hey Mac, keeping up with the latest the industry has to offer has never been more important for us safe technicians. Let me tell ya, you gotta stay aware of what today's top safe distributors and manufacturers are putting out there. It's crucial to making a humdinger of a purchasing decision, buddy. And another thing, time is of the essence when it comes to education. New things pop up every day, Daddy-O, and that makes top-notch safe classes as good as gold. The only chance to get world-class education and meet with the industry's top distributors and manufacturers is the SAFETECH Convention and Trade Show. Boy, is it swell! SAFETECH 2005 offers you a chance to meet with potential customers and bolster business in ways you never thought possible. Discover the safes of tomorrow! Gee whiz, jump and jive your way into Safetech 2005, and you'll be part of our knock 'em, sock 'em show of all shows!!

presidential viewpoint



Dear Members,

I would like to share with you a recent experience that that was both enjoyable and eye opening. I was a guest of Bill Neff's at the 1st Annual Past President's Dinner and Golf Outing of ASIS International Central Pennsylvania Chapter 79. Bill has served two terms as chairman of that association. Jack Magee of Woodbury, NJ and the chairman of the South Jersey Chapter of ASIS International, was also in our foursome. Bill and Jack are both locksmiths and, they have very forward-thinking views of the industry! They have seen the need to join and become actively involved in ASIS. They are also bad golfers!!!!

I am mainly involved with automotive locksmithing and safe work and I have never attended ASIS functions. The thing that I found most interesting is that ASIS is made up of both security professionals and end users! How many of us will see our clients at a locksmith convention? For those of us who deal primarily with commercial clients, we should know that our competitors are attending ASIS meetings! This is an association that many of us should consider interacting with. And, the people are extremely friendly!

Those who know me best know that I am not a politician. But, since I have a forum, I would like to make a political recommendation. ALOA is very interested in the Association Health Plan. If it is passed, it will be beneficial to this association and it's members. It means that we as an association can offer health care to our members on a national level at rates that very large corporations or groups get. Those of you that read Paul Kanitra's monthly reports know that President Bush is a strong supporter of that plan and health care reform in general. The Bush administration also promotes tax cuts that are beneficial to the small businessman. Just something to keep in mind when you go to the polls in November.

This month's issue deals with tools of the trade. All of us know that locksmiths love gadgets! We love things that make our work easier and more profitable. Read on to see what will benefit us in the future!

Sincerely,

A handwritten signature in cursive script that reads "William L. Young".

William L. Young, CML, CPS



The ALOA Convention and Security Expo July 17-24, 2005

SWEET

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Restaurant. Visit the Navy Pier or catch a ball
game. The options are endless when you register
today for the single-most important event in
the locksmithing industry.

Baby, you know you want to go!



TOOLS 2004

10 Back from Iraq

Don Shiles is back from a six month tour of duty in Iraq. A name well recognized for his knowledge as an expert locksmith and a leading authority on lock forensics, his multi-faceted career began in 1955 and has touched countless people. *by Claire Cohen, CML*

14 Bread and Butter Picks

The choice of tools required to pick any given lock may vary and the wide array of tools on the market reflect the personal choice and specific training of any given locksmith. In simple words, we all use what works best for us. Some locksmiths prefer a rake, others a simple hook pick, and many of us have "favorite" tools which seem to work quickly and efficiently on most of the projects we encounter. *Eric Costley, CRL*

22 Trading Information

This month we'll look at two situations found in different trades. This information is critical if you're involved in the installation of floor safes or door hardware.

by Greg Perry, CML, CPS

24 Time to Buy Some New Diamonds

This article is primarily a primer on diamond-core drilling with a little information about drilling other hardplates. We'll be using some of the new bits from StrongArm who have redesigned their diamond-core drill to make a great product even better. *by Greg Perry CML, CPS*

28 Kaba Mas X Series

Helpful hints for installing, selling and repairing the Kaba Mas X Series electronic locks" *by Jorge R. Carmona III*

30 The Mystery of the ALOA Apparition

Join us as we investigate mysterious happenings at the ALOA Headquarters—A Special holiday feature.

40 The ALOA Scholarship Foundation

The Associated Locksmiths of America Scholarship Foundation (ASF) is an important source for educational funding. We support all locksmith efforts to seek education via technical training and business management from all educational providers.

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Koerner Irvin Bruskin Demetrius Heggs Thomas O'Shields William Sparks Sam Weiner</p> <p>Pittsburgh Jeff Wagler John Allison Shawn Bishop William Crawford Pat Haney Ed Mooney Raymond Rose</p> <p>Pocahontas Donna Kerrick John E. Kerrick</p> <p>Portland Kenneth W. Card Sharon Hill Jim Murphy</p> <p>Southampton Dubov Vitaliy</p> <p>Warminster Ben Cogan Nelson Shane</p> <p>Wayne Denise Dayton</p> <p>Wilkes Barre William Troth</p> <p>Wynnewood Matthew Scher</p> <p>York David Kotz Julie Malloy</p> <p>PR</p> <p>Mayaguez Karlos J. Ortiz</p> <p>SC</p> <p>Charleston David W. Spears</p> <p>Greer Wallace Seaborn</p> <p>Spartanburg Donna Kuhens Sage Kuhens</p> <p>TN</p> <p>Hermitage Todd Wilson</p> <p>Johnson City George Carver</p> <p>Nashville ND Rose</p> <p>TX</p> <p>Allen Gary Rogers</p> <p>Arlington Enrique Miranda Delgado Jesus Mari Insunza Robert McConnell Ion Uriarte</p> <p>Dallas Mordehay M. Mizrahi</p> <p>Garland James C. Fitzgerald Sponsor: James L. Hancock CPL</p> <p>Kerrville Ricky Raney Sponsor: James L. Hancock CPL</p> <p>Plano Craig Gilbert</p> <p>Springtown Jerry Lee</p>	<p>UT</p> <p>North Salt Lake David Anderson</p> <p>VA</p> <p>Alexandria George Stone</p> <p>Alexandria Mark Fetterolf Lonnie Jones Karl Dabbe Brandon Mauch Jason Moss Tom Pivovarnik</p> <p>Arlington Doug Buzbee Jack Dunlap Ricardo Iglesias Cliff Leidig</p> <p>Ashland Eichelle L. Hamaker</p> <p>Cedar Bluff Daniel Horn</p> <p>Centerville Nancy Cunningham Robert Cunningham</p> <p>Chantilly Molly Long Roger Roehr</p> <p>Fairfax Darrell B. Luskin CML</p> <p>Falls Church Charles Barton Robert Baron</p> <p>Fincastle Jeff Bowles</p> <p>Franklin James M. Fournier Glen Allen Brett Davis</p> <p>Hillsville Brian Kuhens</p> <p>Lorton Clancy K. McDonald</p> <p>Louisa Jack Buckley</p> <p>Manassas Michael Corbett</p> <p>Manassas Diane Amaoui Courtney Earl</p> <p>McLean Randy Crump Bruce Etzweiler Ray Rybicki</p> <p>Mount Jackson Dee Ann Diaczynsky</p> <p>Newington Tom Black Brandon Calderon John Hunt</p> <p>Newport News Dan Alexander Kenneth J. Lange</p> <p>Palmyra Bradley Small</p> <p>Quantico Kenneth Shelden</p> <p>Reston Julie A. Myren</p> <p>Richmond Ross Bailey Kevin Haselbush Bruce W. Neiss Donald Proctor David Spear Kenneth Adams</p> <p>Roanoke Duane Perdue</p> <p>Salem Gail Anderson Barbara Bradburn</p> <p>Spotsylvania George W. Jett</p>	<p>Springfield Bob Adams Jay Dalton</p> <p>Stafford Bruce Maye</p> <p>Staunton David S. Armstrong Scott L. Cash Sarah Crummett</p> <p>Sterling Michael P. Maroney Sponsor: Spencer P. Caple CRL</p> <p>Suffolk Charles E. Reid NancyLee Reid</p> <p>Virginia Beach Cecil D. Thornton</p> <p>West Point Mark Bickerton</p> <p>Winchester Michael P. Burt Sean Sicher Joshua Vassel Donald L. White Sponsor: John E. Cawby</p> <p>Woodbridge Dorothy Royer Duaine Patton</p> <p>WI</p> <p>Fort Atkinson John Diedam</p> <p>Milwaukee Carol Peterson</p> <p>South Milwaukee Frank J. Pranghofer Sponsor: John W. Soderland CML, CMST</p> <p>Wisconsin Rapids Keith Reed Sponsor: William O. Doucette</p> <p>WV</p> <p>Augusta David Paugh Mount Hope Thomas Kessler</p> <p>Argentina</p> <p>Buenos Aires Martin Martin</p> <p>Australia</p> <p>Canberra, ACT John Kis Gavin S. Rae</p> <p>Canberra, Alt Peter Searle</p> <p>Mascot NSW Marc Cohen</p> <p>Victoria David Weinel</p> <p>QL Gold Coast Dean P. Campbell</p> <p>Belgium</p> <p>Brussel, Brabant Bervoets Mario</p> <p>Canada</p> <p>Halifax, Nova Scotia Ron Gunter</p> <p>BC</p> <p>Richmond George Drimas</p> <p>Vancouver Brian Hoskins</p> <p>ON</p> <p>Gloucester Marcel Goulard</p> <p>Hamilton Bob Schofield Mary Schofield</p>	<p>Oakville Mary Penrose Valentin Bradu</p> <p>Ottawa Kenneth Clupp</p> <p>Rexdale Tom Zissopoulos</p> <p>Scarborough Karen Johnston</p> <p>St. Catharines Brandon M. Pinder</p> <p>Toronto Demetrios Zissopoulos</p> <p>PQ Montreal Francois Goyette Rejean Savage</p> <p>QB LaSalle Victor Brassard</p> <p>China</p> <p>Talzhou Ke Ping Lin</p> <p>England</p> <p>Gateshead, Tyne & Wear Colin Rose</p> <p>France</p> <p>Paris Caroline Peyronnet</p> <p>Italy</p> <p>Conegliano [TV] Pierluigi Olina</p> <p>Italy Robert Landori</p> <p>Japan</p> <p>Tokyo Naoki Maeda Akihiro Nakamer</p> <p>Korea</p> <p>Gyeonggi Do Jae Won Lee</p> <p>Seoul Dong Hee Lee</p> <p>Peru</p> <p>Lima Luis Philipps Francisco Clausen Soles</p> <p>Philippines</p> <p>Rizal Allan S. Paredes</p> <p>Russia</p> <p>Moscow Ushakov Gennady Alexey Petrov</p> <p>Sweden</p> <p>Kungens Kurva Stockholm Lars Asklof</p> <p>England</p> <p>Bristol Bernard Wells Sponsor: Nick T. Joanes</p> <p>Gloucester Steve Rudge</p> <p>Hemg Hempstead, Herts Sam Beighton</p> <p>London Dave Turrell</p> <p>United Kingdom</p> <p>Hemel Hempstead, Herts Steve Long</p> <p>Derby Tim Latter Sponsor: Ken Dale</p> <p>Eastbourne, Sussex Martin McCaffrey</p>
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u p c o m i n g e v e n t s

OCTOBER

New York Master Locksmiths' Assoc. 6 Monthly Meeting Every Second Wednesday NYC/Long Island Area 718 274-6930	Ohio Valley Chapter of ALOA 6 Monthly Meeting Ryan's Steakhouse Middleton, Ohio 513-464-1299	Minnesota Chapter of ALOA 7-10 Regular Meeting, Dinner 6:00 PM, Meeting 7:00 PM, Program: MN Sales Tax or Homeland Security	M.I.N.K. 7-10 Omaha, NE Contact: Bernard Dobesh 308-381-4440
12-16 Pacific Locksmith Conference - Portland, Oregon	13-16 Institutional Locksmiths' Assoc. 2004 ILA Conference The Hotel Roanoke and Confer- ence Center - Roanoke, VA	20-24 Yankee Security Convention ACE Classes, Trade Show & PRP Sturbridge, MA	27-30 GPLA Annual Convention Radisson Hotel • Mt. Laurel, NJ
27-31 GPLA 2004 Convention Radisson Hotel Mt. Laurel, NJ www.gpla.org Exhibitors call Edward Fitzgerald, CML at 856.665.1311			

NOVEMBER

New York Master Locksmiths' Assoc. 3 Monthly Meeting Every Second Wednesday NYC/Long Island Area 718 274-6930	Ohio Valley Chapter of ALOA 3 Monthly Meeting Ryan's Steakhouse Middleton, Ohio 513-464-1299	Minnesota Chapter of ALOA 20 Regular Meeting, Dinner 6:00 PM, Meeting 7:00 PM, Program: MN Sales Tax or Homeland Security	Oklahoma Master Locksmith Assn. Basic electronics education seminar and membership meeting. Holiday Inn Select in Tulsa. 405-919-0235

DEC.

1 Ohio Valley Chapter of ALOA Monthly Meeting Ryan's Steakhouse Middleton, Ohio 513-464-1299	New York Master Locksmiths' Assoc. 6 Monthly Meeting Every Second Wednesday NYC/Long Island Area 718 274-6930	Minnesota Chapter of ALOA Annual Banquet, Dinner 6:00 PM, No Meeting	
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UPCOMING ACE CLASSES

10/7-8/2004	Omaha, NE • MINK Convention • Bernard Dobesh 308-381-4440 CPS Prep Class http://www.nebraska-locksmith.com/
10/12-16/2004	Portland, OR • Pacific Locksmiths Association • Tom Jones, CRL 503-842-2944 • Basic Locksmithing I & II (twice) http://www.pla-pro.org/plc/index.htm • Life Safety Codes w/L-07 PRP Servicing Aluminum Storefront Doors Master Keying Methods & Formats I & II Late Model Steering Column Service • Power Door Openers Hollow Metal Doors & Frames • Intermediate Auto Lock Service Exit Devices & Exit Alarms w/L-16 PRP Professional Impressioning Techniques • Transponders The Complete Door & Door Closers w/L-05 PRP Professional Lock Picking
10/20 - 24/2004	Sturbridge, MA • Yankee Security Convention • Jack Hobin 800-209-8266 • The Complete Door & Door Closers w/L-05 PRP www.yankeesecurity.org info@yankeesecurity.org Basic Locksmithing I, II & III • High Security Cylinders w/L-08 PRP Exit Devices & Exit Alarms w/L-16 PRP • Basic Electricity w/L-13 PRP Keyless Mechanical Locks w/L-20 PRP • Tubular Key Locks w/L-12 PRP
10/25 - 30/2004	Appleton, WI • Fox Valley Technical College • Jerry Antoon P. 920/735-2406 • 6 Day Basic Locksmithing Course Fox Valley Technical College F-920/735-2414
11/13/2004	Atlanta, GA • Georgia Chapter of ALOA • Kevin Wilson, CML, CPS 770-279-1161 • PRP Prep Class
11/13/2004	Detroit, MI • Locksmith Security Association • Robert Nobel, CPL 810-385-9329 • Combination Lock Servicing w/L-24 PRP
11/13/2004	Kalamazoo, MI • Western Michigan Locksmith Assn. R. Paul Bentley, CPL 269-327-8400 Complete Door & Door Closers w/L-05 PRP
11/20/2004	St Louis, MO • Bi-State Chapter of ALOA • Robert Theobald 314-340-6801 • Alternate Entry Techniques
12/4/2004	Birmingham, AL • Alabama Locksmiths Association • Dlee Schofield 334-832-4920 • Simplex Unican Certification

UPCOMING PRP SITTINGS

10/2/2004	Saturday 9:00am • Colorado Springs, CO Central & Southern CO Locksmith Assn Gordon Racine, CML 719-384-4707
10/3/2004	Sunday 8:00am • Anaheim, CA • Clark Security Products Joan Emrick 619-718-7308
10/3/2004	Sunday 9:00am • Brandon, FL • SERLAC James Barnhardt, RL 813-689-5979
10/10/2004	Saturday 8:00am • Omaha, NE • MINK Convention Bernard Dobesh 308-381-4440
10/14/2004	Thursday 8:30am • Dallas, TX • ALOA • Hope Rodriguez 800-532- 2562x30
10/15/2004	Friday 6:00pm • Portland, OR • Pacific Locksmiths Assn Dan Cunningham, CRL 360-835-7131
10/23/2004	Saturday 9:00am • Sturbridge, MA • Yankee Security Convention • Jack Hobin 800/209-8266
10/31/2004	Sunday 10:00am • Mt Laurel, NJ • GPLA Robert J. Schuettrumpf, CRL856-486-9280
11/13/2004	Saturday 8:00am • Cary, NC • NC Locksmiths Assn Granger L. Marley, CML 919-859-6060
11/14/2004	Sunday 1:00pm • Robinsonville, MS • Tennessee Organization of Locksmiths • Jim Weidman, CPL 615-837-1264
11/11/2004	Thursday 8:30am • Dallas, TX • ALOA • Hope Rodriguez 800-532- 2562x30
11/20/2004	Saturday 8:00am • Atlanta, GA • Georgia Chapter of ALOA Kevin Wilson, CML, CPS 770-279-1161
12/9/2004	Thursday 8:30am • Dallas, TX • ALOA Hope Rodriguez 800-532-2562x30



LARRY D. SPEARS

HIT & RUN VICTIM IN CRITICAL CONDITION

Until Friday, August 13, 2004 Larry Spears (husband of TLA member/board member Michelle Spears and son-in law of Judy & Buddy Clifford) had been an active man who enjoyed his life to the fullest. His life changed in a split second. While enjoying an evening of fishing on Bryan Beach with friends, a drunk driver struck Larry down and fled the scene. Larry was taken to UTMB hospital in Galveston, Texas by LifeFlight where he underwent 12 hours of surgery to repair the many life-threatening injuries he received. Larry's mobility has been compromised but he is able get into a wheelchair with assistance. His wife, Michelle, has found it necessary to cut her work hours to a bare minimum in order to take care of him. The Spears children; Ashley, Brian, and C.J. are also assisting Michelle with his care. There are most certainly further medical procedures and many months of extensive physical therapy to follow before Larry will be able to have a better quality of life. A benefit account has been set up for Larry and his family. at First State Bank of Lake Jackson • 490 This Way • Lake Jackson, Texas 77566 • Account # 6031983. The will also be a fundraiser on October 9. For more information, contact Michele Gregory at 979-236-7998.

Pascal's Triangle Website Error

If you are doing an internet search for Pascal's Triangle (as mentioned Keynotes June 2004 article on Page 12 "The Magic of Spherical Master Keying Part 2" by Eric Costley, CRL.) Be aware of an error on the Pascal's Triangle website, <http://ptil.tripod.com/>. The numbers across the 13th line contain the number 186. It should be 286.

Master Lock serves Special Needs Students and Workers with ADA Series Locker Locks

Master Lock company is offering a built-in locker lock with a large key head that helps special needs students, customers or workers easily open lock doors.

The Model 1710ADA features deadbolt locking for high security and a 5-pin tumbler cylinder for pick resistance. The lock fits both left-handed and right-handed doors and is available keyed-alike, master key and group key, to meet a facility's needs. The large key head is easy to operate. The key code is visible inside the key head and both the key and key heads are replaceable. In addition, the key head is available separately (Model No. 1710-439-59). The locker lock is also available with a spring-bolt locking mechanism (Model 1714ADA), ideal for box lockers and single-point latch lockers. For more information, visit the website at www.masterlock.com.

New Schlage D-Lock Aces the Test

Schlage's new D-Lock is passing the test at Adams County School District 12 schools in Thornton, CO. The lock is being tested on 10 high-traffic, high-abuse doors in Thornton high and middle schools.

"The doors we are testing get a great deal of very hard use.", said Dave Thielen, CML and ALOA's ACE Award winner for 2004 "Because teenagers are so extremely rough on the locks, we need a durable lock that can withstand daily abuse."

In the past nine months since the new D-Lock has been installed in the schools, Thielen has not had to replace any of the test locks. Thielen contributes with to the new D-Lock's stronger latch bolt and less drop on the lever. "The new D-Locks are a much tighter fit than the older ones", said Thielen. Thielen would like to get new D-Locks installed in all of the school district's 54 buildings. "The are worth every penny.", said Thielen.

SELECT Hinges Introduces New Stainless Steel Pin & Barrel Continuous Hinges

SELECT Hinges now offers stainless steel continuous pin and barrel hinges for situations requiring stainless steel in addition to its performance-proven continuous-gear aluminum hinges. SELECT's new stainless pin & barrel continuous hinges match, contrast or accent your building's design. Adjust-A-Screw fastener let you square doors accurately and easily in new or retrofit installations and allow for future adjustments. Tamper-resistant covers guard against vandalism and reduce the hassle of frequent repairs. Pin & barrel hinges are guaranteed to be free of material and workmanship defects for 10 years. Visit www.select-hinges.com for complete product information.



Mr. Dave Leeper Receives ALOA Lifetime Membership

Gordon Racine, CML, Southwest Director of ALOA presented Dave Leeper with a Lifetime Membership plaque and membership card. Mr's Leeper's contribution to the field of locksmithing has been noteworthy and he was very pleased to receive this honor. Dave Leeper has been an ALOA member since 1966



In Memory

Jack W. Kilgore passed away at his retirement home in Georgetown, Texas on May 25, 2004. His long and successful career began when he was thirteen-years-old and became an apprentice locksmith. After his military service, Jack resumed his career by opening Industrial Safe and Lock Co. in Dallas, Texas which he operated for 40 years. Jack was renowned throughout the United States for his expertise in bank vault equipment. He was

a Past President of the Greater Dallas Locksmiths Association. In May of 1979, Jack was featured in a 3-page Keynotes article about his career.

In some ways Jack was very typical of the "old school" locksmith. But in so many other ways, he was anything but typical. He learned locksmithing the hard way, sweeping up key cuttings after school ("manicuring the floor", as he often described it) and making deliveries on his bicycle. His spirit of adventure and enthusiasm reminded people of a young boy on the bike.

Jack Kilgore is survived by his wife, Shirley Brantley Kilgore, two sons Michael Edward Kilgore and Gary David Kilgore; two granddaughters, Candace and Lindsay; four step-sons; five sons; five step-grandchildren and numerous devoted friends.

BACK FROM IRAQ

By: Claire L. Cohen, CML

Don Shiles is back from a six month tour of duty in Iraq. A name well recognized for his knowledge as an expert locksmith and a leading authority on lock forensics, his multifaceted career began in 1955 and has touched countless people.

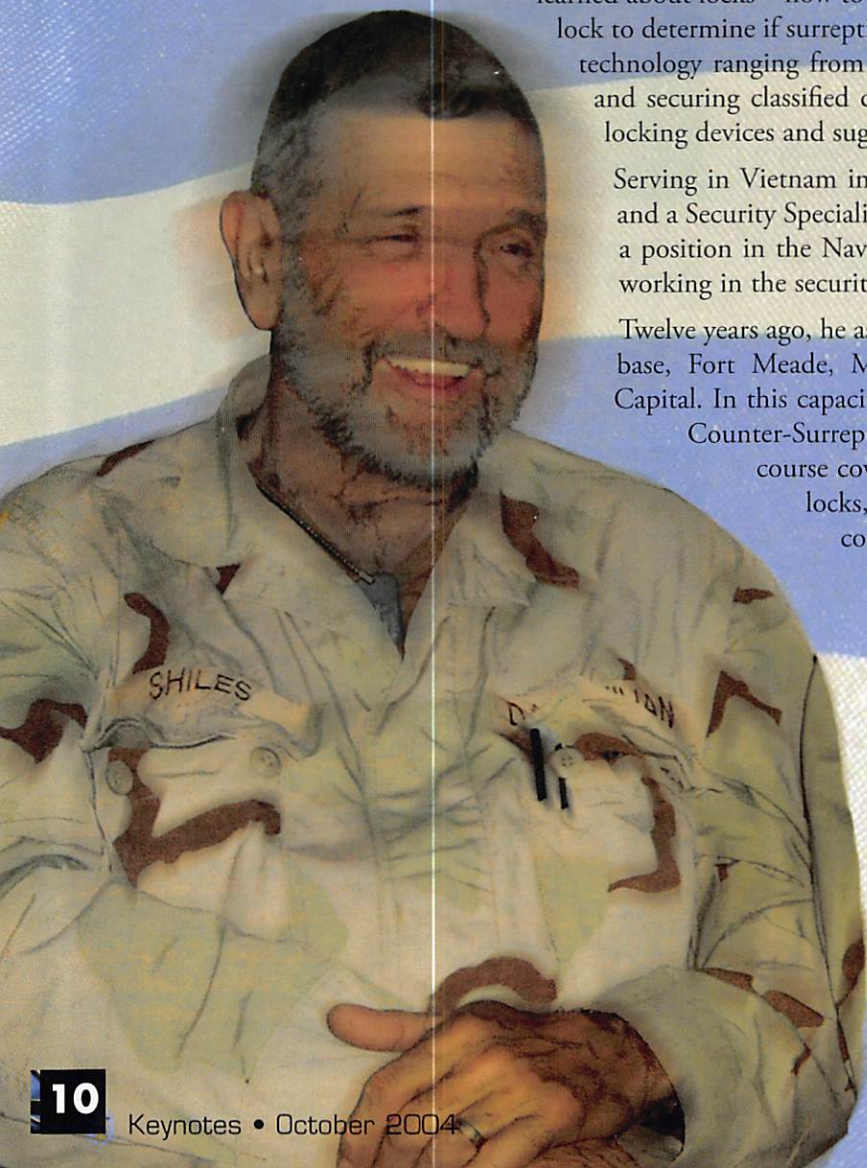
Serving in the military intelligence field in enlisted ranks (up to and including Sergeant Major), and as an officer (Captain and Major), his career spans 50-years. An expert in many aspects of physical security and military intelligence, Don is truly a multi-talented individual. He has a Master's degree in Psychology, and teaches painting at a local community college. With his wife, Gaylie, they operate an art studio.

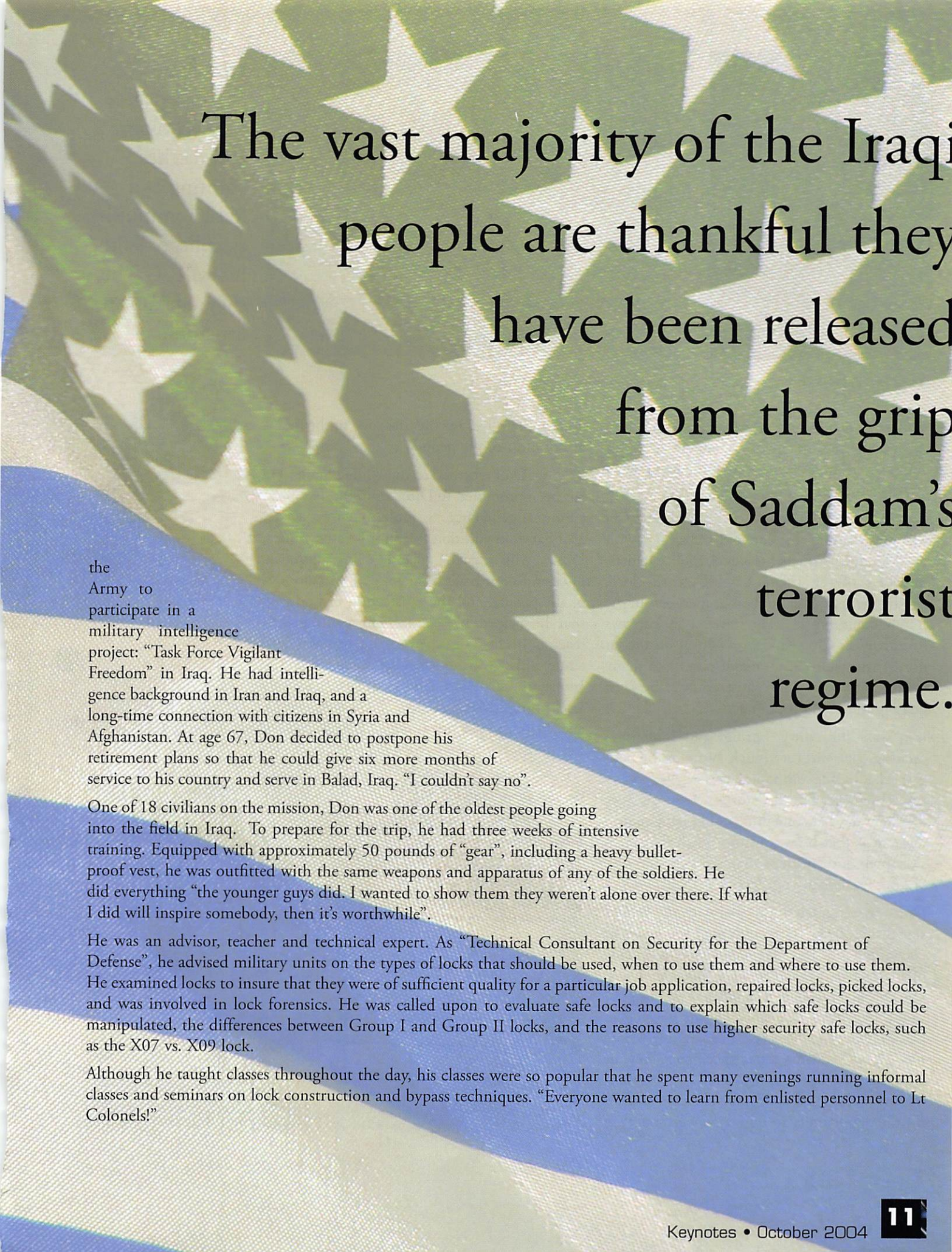
Don's early career was begun as a Military Intelligence Specialist in the Army, where he learned about locks—how to install them, fix them, pick them and examine a lock to determine if surreptitious entry had occurred. He is an expert in lock technology ranging from defense against methods of entry to protecting and securing classified documents. He can recognize the weaknesses of locking devices and suggest possible bypass methods.

Serving in Vietnam in the 1970's, Don was a Company Commander and a Security Specialist. After retiring from the Army in 1989, he held a position in the Navy Intelligence Command in Washington, D. C. working in the security field, but not with physical locking devices.

Twelve years ago, he assumed a civilian instructor position at a military base, Fort Meade, Maryland, located just outside of the Nation's Capital. In this capacity, Don was instrumental in developing the first Counter-Surreptitious Entry Course. This two to three week course covers all U.S. government security containers and locks, all types of key operated locks, numerous access control devices (including biometric), automotive security devices, tamper indicating seals, security device by-pass techniques and investigative (forensic locksmithing). The course covers many known means of lock penetration and trains students in conducting investigations. The course is taught only to government employees and military members who are engaged in investigative and/or security work.

A short time after Don submitted his civilian retirement application, he was asked by





The vast majority of the Iraqi
people are thankful they
have been released
from the grip
of Saddam's
terrorist
regime.

the
Army to
participate in a
military intelligence
project: "Task Force Vigilant
Freedom" in Iraq. He had intelli-
gence background in Iran and Iraq, and a
long-time connection with citizens in Syria and
Afghanistan. At age 67, Don decided to postpone his
retirement plans so that he could give six more months of
service to his country and serve in Balad, Iraq. "I couldn't say no".

One of 18 civilians on the mission, Don was one of the oldest people going
into the field in Iraq. To prepare for the trip, he had three weeks of intensive
training. Equipped with approximately 50 pounds of "gear", including a heavy bullet-
proof vest, he was outfitted with the same weapons and apparatus of any of the soldiers. He
did everything "the younger guys did. I wanted to show them they weren't alone over there. If what
I did will inspire somebody, then it's worthwhile".

He was an advisor, teacher and technical expert. As "Technical Consultant on Security for the Department of
Defense", he advised military units on the types of locks that should be used, when to use them and where to use them.
He examined locks to insure that they were of sufficient quality for a particular job application, repaired locks, picked locks,
and was involved in lock forensics. He was called upon to evaluate safe locks and to explain which safe locks could be
manipulated, the differences between Group I and Group II locks, and the reasons to use higher security safe locks, such
as the X07 vs. X09 lock.

Although he taught classes throughout the day, his classes were so popular that he spent many evenings running informal
classes and seminars on lock construction and bypass techniques. "Everyone wanted to learn from enlisted personnel to Lt
Colonels!"



"Shoemaker" by Don Shiles



"Christmas Cowboy" by Don Shiles

Don has a Master's degree in Psychology, and teaches painting at a local community college. With his wife, Gaylie, they operate an art studio



In Balad, with the aid of interpreters, his tactical intelligence job involved talking to locals about where arms caches were buried and when attacks would come.

In Iraq, Don was a person in uniform, carrying weapons, riding in convoys, meeting with Sheiks, with farmers, teachers, police chiefs, members of the Iraqi Civil Defense Corp, children and orphans and other members of the Iraqi communities. He traveled in convoys from Kuwait City, Kuwait to Mosul (in the far north) with stops at all major cities and many towns and villages. Job satisfaction came "just helping the local people".

Iraq was "hot, dirty, boring, and sometimes exciting". He was very much aware of the danger. The Balad compound was shelled many times by rocket fire and mortars. Don was very much aware that something could happen, but didn't fear that he was in too much danger. A seasoned and professional soldier, he said "Either it lands in your lap or it doesn't".

Don was extremely impressed with the professionalism of the U.S. military personnel he encountered in Iraq. He recognized that many of his fellow troops had been his students at Fort Meade. Don's first-hand personal impression is that "the vast majority of the Iraqi people are thankful they have been released from the grip of Saddam's terrorist regime. They are appreciative of the sacrifices the U.S. is making in having the soldiers in Iraq. They are grateful for the opportunity to find some personal free-

dom in their lives for the first time in the memory of most of the people.

In June, Don returned to the United States. He has been promoted to Director of the Technical Counterintelligence School at Fort Meade, Maryland. In addition to administrative duties, Don will teach classes in Forensic Locksmithing. Back from Iraq, with memories of the people, and the satisfaction of knowing that he helped his country, he continues to teach in his field of expertise. He will also continue his duties as President of the International Association of Investigative Locksmiths (IAIL), lecture all over the world, and help run an art studio. "I'd go crazy if I retired."



All members who renew on or before January 1, 2005, will receive:

PLUS! Brand New members also receive immediate access to thousands of keycodes with a free trial membership to Blackhawk 7.com!



Automatic Entry into a drawing for a 36" Sony Plasma HDTV



ALO 2005
Sweet Home Chicago

Up to \$300 savings on ALOA 2005 Convention registration



A 10% discount for any purchase at the ALOA Bookstore



Automatic Entry into a drawing for a Key Machine (actual model not pictured)



A free \$10,000.00 bond for all active members



SCORE

Get MORE with ALOA's Biggest Membership Drive EVER!

There is strength in numbers. MORE, means more voices-more voices to attract fresh blood. More voices to increase consumer awareness. And more voices to speak for/against new laws and regulations that affect the security industry.

Get in the game!

- Recruit 1 new member before December 31, 2004 and receive \$50.00 off your own 2005 membership dues plus ALOA will waive the \$50.00 application fee for your new recruit. (completed application and dues must be submitted with your renewal to receive credit)
- Recruit 5 new members and recommend 5 others before June 2005 for an entry into the drawing (drawing to be held at the ALOA Convention and Security Expo 2005) for a 7-Day Education and TRIP FOR 2 to the ALOA 50th Anniversary Convention in Las Vegas, Nevada. (July 2006-airfare from continental U.S. only)

Here's how it works: 1) Make copies of the ALOA Membership Application form (for additional forms, call (800)532-2562, email membership@aloe.org, fax (214)827-1810 or download from <http://www.aloe.org/memapp.cfm>). 2) Recommend an industry peer by filling out this coupon (make copies first) and mail to ALOA, Attn. Membership Drive, 3003 Live Oak Street, Dallas, Texas 75204.

We will send your colleague an information kit with notation that they are receiving this invitation to join per YOUR recommendation. When your "sponsee" signs up, we'll send you notification so you can keep count.

Name of Sponsor (current ALOA Member)

Name of person recommended for membership

Address

City

State

Zip

Country

Phone

Fax

Email

Bread and Butter Picks

By: Eric Costley, CRL



The choice of tools may vary and the wide-array of options on the market reflect the personal choice and specific training of a locksmith.

There are two basic abilities which set the locksmith apart from the basic handyman, construction worker, hardware store employee and carpenter: these are impressioning and the ability to pick locks. Sure, there are other things that put us on a different plane, but these two skills are specific to locksmiths, and locksmiths only.

When I first began my lengthy career, I was amazed and intrigued at my feeble ability to pick a simple lock. Twenty-four years later, I am more skilled, but no less amazed. In addition to skill, I have learned over time that the choice of tools required to pick any given lock may vary and the wide array of tools on the market reflect the personal choice and specific training of any given locksmith. In simple words, we all use what works best for us. Some locksmiths prefer a rake, others a simple hook pick, and many of us have “favorite” tools which seem to work quickly and efficiently on most of the projects we encounter.

There are a variety of products on the market, and sometimes it becomes difficult to wade through what is a good investment and what may be a potential waste of money. I have known used car dealers who got duped into buying expensive pick sets which in the end were only poorly-produced junk. When approached to buy these, I snicker. I have one such set which I use only as “broken picks”, which is to say that I use them to depress knob retainers and remove cylinder clips... I don't care if I destroy them in the process! The particular car dealer that purchased these gave them to me at no charge. He was snowed by the sales pitch... “this set will pick any lock.” Yeah, right, and I have a nice statue in the New York harbor that I can sell you really cheap.

I guess it was accidental that I started getting more selective about what picks and tension wrenches I use most frequently. Initially, my brother Brian supplied me with a small set of HPC picks. These are, have been, and probably always will be the “bread and butter” of pick sets. A rake, hook, double ball, half double ball, diamond, and the wonderful “large” hook were the staples that I cut my teeth on. It is a tribute to the manufacturer that after 24 years, a majority of my pick set consists of HPC tools. For beginners, I would recommend this set without reservation. However, get the nice big set with the zippered case. You'll need the room for more!



You never know what might crawl out of the author's pick set! Notice the Rytan to the left, HPC and Pro-lok to the right, a tension wrench ground down from an allen wrench to the far left, and a Peterson serrated tension wrench in the center pocket. Shoshona was not impressed, and crawled away.

Several years later, I stumbled across the Rytan picks. I was intrigued by the ergonomic handle, and the fact that everything that they make also comes in a "mini-pick". The mini picks, equipped with a blue handle for quick selection, are excellent for smaller keyways, such as file cabinet locks and padlocks. Once I purchased a few of these, I was "hooked" so to speak. The "Deforest hook" is a combination of a hook pick and a half diamond, and remains my favorite pick to this day. Although I commonly used a HPC rake as my first pick of choice previously, I find that the Deforest works best for me. (Again, personal taste and opinion is at stake. Try it for yourself and generate your own opinion!)

So now you've seen that HPC and Rytan pretty much rule my world. Yes, but there are more fish to fry! Pro-lock, Peterson, and Southern Specialties picks are waiting in the wings, not to mention specialty picks such as A-1's rocker picks, a variety of tubular picks, and a myriad of tension tools. Lastly, there is the new "fiber pick" from Pickmasters which created the initial inspiration for this series of articles but these are subjects for later consideration.

Peterson picks have been quietly sneaking into our industry for quite some time. I ordered a set recently just to see what all the buzz was, and I think I found another favorite to add to my arsenal of picks! The Peterson Reach is similar to the

Rytan Deforest hook, and I have found it very effective on locks which have a drastic difference between two adjacent pins.

Peterson originally developed an elaborate tubular pick which they began marketing in 1999 that is capable of picking Ace II locks, as well as virtually any other tubular lock. Once this hit the market, locksmiths started asking for "this and that" and the product line has expanded considerably. One of the really nice features of the Peterson line is that the picks are made of a heavier-gauge steel than many of the picks currently on the market which means durability and something that won't bend or snap off suddenly while you are trying to let some little old lady in her house. (There's nothing worse than having to dig the tip of your pick out of a lock at 10 degrees below zero while your customer is about to die of a combination of frostbite and old age!) The set of picks that I purchased also came with a tool for bending my own tension wrenches and a generous supply of spring steel to experiment with. Peterson also makes some "ready made" tension wrenches that I will rave about in a subsequent article but that's another story. One last note on Peterson for this outing: one of my employers was eyeing the soft leather Velcro case, saying "Is that available by itself? That's nice!" Also, the Peterson line is available in a variety of rubber, plastic, or textured handles. You can check out the Peterson



Rytan and Rytan mini side by side to the left, the Peterson reach, and a rare Dominion rake that I hang onto for nostalgic reasons!



A nice assortment of Peterson picks, with the tool for bending your own tension wrenches in plain view. I was very impressed with the quality of this set.

line of picks on the internet at www.peterson-international.com.

While I was bumping around the internet, I stumbled on www.lockpicktools.com, the website for Southern Specialties. I was intrigued, and ordered their LRH-10 set. One of the things that caught my eye was the "ripple handle", which I have found nearly as ergonomic as the Peterson or Rytan line. However, since they are metal, I will refrain from choosing them in the dead of winter! The picks and tension tools are of excellent quality, and the LRH-10 comes in a nice hip pocket slimline case. In fact, it's in my hip pocket at this very instant! Here again, another impressive product that I'm sure will find its way into my ever-growing arsenal of favorite picks.

Pro-lok manufactures a variety of locksmith tools which are available from your favorite distributor. The "potpourri" of assorted manufacturers in my favorite set includes a couple of their picks. Pro-lok picks are comparable to the HPC line, and therefore one of the staples that is always handy. Visit their website at www.pro-lok.com.

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The LRH-10 set from Southern Specialties. Note the nice ripple handles, and slimline hip pocket case."

Before I begin to elaborate on my two favorite lines, I have one axe to grind. Recently, in the name of research, I have purchased several sets of picks via the internet. I have heard for years that lock picks were readily available over the internet to anyone who was willing to shell out the money and I have found this to be true. Of all the manufacturers that I purchased products from over the internet, only Peterson asked for some proof that I was indeed a locksmith! (In fact, they asked for my ALOA membership number!) I know for a fact that simply owning picks doesn't mean that you know how to use them, but I was disturbed that such tools are available without reservation to anyone. What's the solution? I don't know. I have personally e-mailed these companies and implored them to implement some sort of restric-

my favorite manufacturers of picks. The only qualm that I have with them is that their line is made of a thinner grade of steel which means that they tend to bend more easily than many other brands of picks. One of the wonderful things about Rytan is their blue-handled "mini" line, which is invaluable when working with padlocks, file cabinets and other small keyways. Most conventional picks prove cumbersome and awkward in these applications where the Rytan line excels. In addition, the non-metal handles are weather-friendly in the frozen north. (Never touch your tongue to a flagpole in January, or grab a metal pick that has been sweating condensation in the van just before you attempt to pick a lock at sub-zero temperatures!) Visit www.Rytan.com or your favorite distributor to purchase the fine products available from Rytan.

tions. If you encounter other suppliers of lock picks who sell without any restrictions, I encourage you to do the same.

Rytan, as I've already mentioned, is among

When it comes to the staples that rule the industry, I can't say enough about the HPC line. Despite the metal handles, (see the above warning!) these have been the pick of choice for as long as I've been a locksmith. The sturdy design, availability and price have made them the measure by which all others must be judged. In time, these may be supplanted by some of the others which



Jim Rouse also relies strictly on HPC. Note the wide variety of key extractors and a few double-ended picks.

What's in Your Pick Set?



Carl Orozoco's pick set contains a plug spinner, a single Rytan pick, a host of HPC and a variety of extractors and tension wrenches.



Mark Fuller, CPL, (one of my esteemed employers,) carries a plug spinner, some extractors, a combination of HPC and Rytan, and a knitting needle in his pick set!



Earl Stedje is strictly an HPC man. Notice also that there isn't a rake pick in sight!

I have mentioned, but at this point in time, HPC has set the industry standard. Check out their ever-growing line of products at www.hpcworld.com, or visit your favorite distributor. The new "glow pick", (a combination of a flashlight with 14 different pick attachments,) indicates that HPC never rests in their attempt to implement new innovations into their product line. For the beginner, there is no substitute for HPC's novice pick set and my own favorite assortment is housed in an HPC zippered case.

At our most recent local locksmith meeting, I asked everyone to grab their pick set and show me what was in it. There is an array of photos here which represents the wide variety of choice of each individual locksmith that attended. One of the obvious features is that HPC is represented heavily, followed by Rytan. Many locksmiths also carry a compact plug spinner in their pick set, and our buddy Mike Aug, CRL, also included some bump keys, Simplex tools, and some warded padlock picks. (Mike's set was larger, as it was

housed in an old calculator case! Here again, what works best for you is the most important qualification!

There are many, many more things to discuss about lock picking, including tubular picks, new innovations, specialty picks, plug spinners, and tension tools. I intend to explore these in future issues. In the meantime, keep pickin' and grinnin'!

One final word about picking locks: it is not the be-all, end-all when approaching a lockout situation. I don't normally spend more than 20 minutes in an attempt to pick or impression a lock. (Well, maybe 20 minutes each.) There is a wonderful thing known as a "rotary pick". (Translate this as DRILL!) The most important thing in any given situation is to complete the job at hand as quickly and efficiently as possible, and to be as professional as possible.

Stay tuned for part 2!

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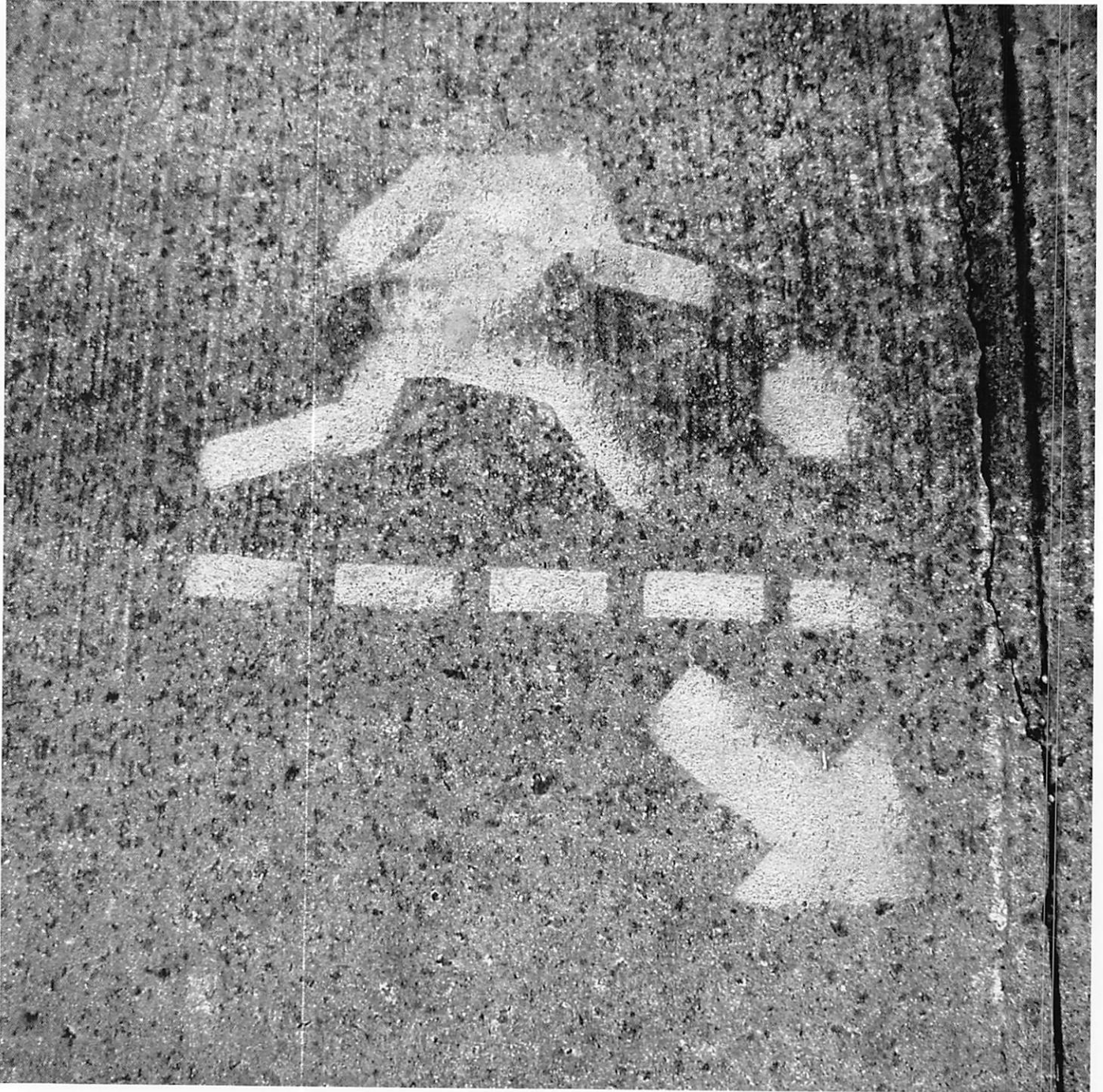
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Trading Information

Keep Your Head When Working with Codes and Concrete

By: Greg Perry, CML, CPS



This month we'll look at two situations found in different trades. This information is critical if you're involved in the installation of floor safes or door hardware. First, we'll look at an issue found in a plumbers magazine regarding post-tension concrete. Second, we'll look at a new code requiring "panic or push-type hardware" on door(s) where the occupancy load is possibly one person (and normally is none). Can anyone guess where this code may be found and where it is applied? I'll give you a hint. It's not in the code book most of us normally use.

The January 2002 issue of *Reeves Journal*, (a plumbing trade magazine) published an article titled "*Defusing the Bomb*" by Jack Beardwood. In the article Mr. Beardwood explains the dangers and issues involved with post-tensioned concrete. If you install floor safes, this article might convince you to get out of the business. You may even rethink the installation of anchors used to bolt down above-ground safes. The process explained in the article is to embed sleeves with 1/2" cables in the concrete as it is being poured. Once the concrete is cured, the cables are stretched to almost 10" per 100 feet. This creates severe tension that, if it's cut, can cause loss of life or limb. Jack tells stories of the cables shooting out of the concrete or causing the house to "jump" when one is inadvertently cut. He recommends, if you ever work near a post-tensioned cable, to not straddle it for fear of losing some important parts of your anatomy should the cable sever and jump out of the concrete. The cost to repair a severed cable starts around \$1200 and can easily exceed \$20,000!

Why does this type of concrete exist? Its use started in areas where soil movement was an issue. It is slowly working its way into other applications because of cost and strength. post-tensioned concrete is most noticeable in parking structures. Look closely at the outside walls and you'll notice plates and washers on many newer parking structures. If post-tensioned concrete is used in a ground-level structure, landscaping or sidewalks may cover any evidence of its use. Several tools are available to "look" into the concrete to locate the cables. Specialty x-ray and ground-penetrating radar are two methods. Another method is a magnetic machine from ELE International called a Micro Cover Meter which costs around \$2500.00.

The article does not address how to determine if a concrete slab includes post-tension concrete. One way is to talk with plumbers and concrete contractors in your area to find out if any of the contractors are using post-tension concrete. You can also walk new home sites during construction for future reference. We install alarms and it helps to see how contractors assemble houses when it comes time to drill holes for alarm contacts. I'm now looking at the slabs also. Our community currently does not have any post-tensioned slabs that we are aware of, but we would not install a floor safe in a post-tensioned slab.

Has anyone guessed the code mentioned above that requires panic devices on door of rooms with an occupancy load of as little as one? Would you believe this code can be found in the National Electric Code 2002 edition? Section 110.26 now specifies the requirements for a panic or push-type hardware on doors of rooms with switchboards of 1200 amps or greater. It also requires the door to open out from the switchboard room. If the switchboard is over six feet long, two exits are required. The only exceptions to the Rule of Two Exits are:

1. If the path of exit is continuous and unobstructed or if the minimum working clearance is doubled, the minimum working space is 30". This varies so check the code for actual distances.
2. Another interesting part of the code is door size. The code requires a minimum of 24" and 6'6" tall. So why the change and addition of door hardware to the electric code? I've heard it said that every code has a dead body to go with it and the code is written with their blood. In this case, electricians have been burned while working on high amperage switchboards and not able to get out of the room. They have also been trapped by sparking switchboards with the only exit on the other side of the room.

Reading and studying other trades practices and processes allow us to be able to transfer the information to our industry. Sometimes it has direct impact on what we do, other times it's anecdotal to what we do.

Time to Buy Some New Diamonds

By: Greg Perry, CML, CPS



Diamond-core drilling is not the easiest process but, once mastered, it can be an excellent method of getting through carbide-included matrixes. **Slow and Steady wins.**

No, it's not time to buy some for your wife; we're talking industrial-grade diamond-core drills. This article is primarily a primer on diamond-core drilling with a little information about drilling other hardplates. We'll be using some of the new bits from StrongArm who have redesigned their diamond-core drill to make a great product even better. According to Jeff Voolsing the new core drill will cut softer materials better without clogging. "But wait! Aren't diamond core drills for drilling carbide included hardplate not soft materials?", I hear a few of you asking. The answer lies in the process of both creating and drilling carbide-included matrix hardplates. We'll be looking at the reason for this later in the article.

Safe manufacturers, with the goal of keeping burglars out, have incorporated a number of different materials and ideas. In the process they also make it more difficult for us good guys to do our job. Many different types of hardplate have been manufactured. These include hardened steel, ceramic materials, ball bearings and carbide-included matrixes. Perhaps the most common carbide-included hardplates are found in Red Label GSA security containers produced by Hamilton, Overly, and Mosler/Diebold. Other manufactures like Gary, Armor, Adesco and others have used carbide-included hardplates in some of their higher-end commercial safes. Hardened steel can typically be drilled with a carbide bit and a lot of pressure. Often times different hardplates require different drill speeds and pressure. Sometimes, a different cutting angle on the drill bit will create a better cutting bit. Most find the only way to truly learn how to drill hardplate is on the job. If one method is not working, try a different speed or pressure. Ceramic materials require punching with a sharpened punch. Ball bearings are best drilled with a carbide-end mill like the Ball-buster from StrongArm. StrongArm includes more than just an end mill. They include a special plug material to stabilize the bearings. That leaves the carbide-included matrixes. So how do we drill them? Some of you may ask, "why not use a carbide bit?". Trying to drill carbide with carbide is a no-win situation. The drill bit must be harder than the material being drilled or the bit will dull and not cut. A few different methods have been employed to drill or burn through carbide-included matrixes.

First method is to drill and punch. This method uses lots of bits, is time consuming and abusive on the body. Start by drilling into the hardplate until the bit dulls or breaks

the carbide off the end of the bit. Next sharpen a round punch to an edge like a cold chisel. Hold the punch in a pair of locking pliers and pound the punch into the hardplate. The goal is to either break the carbide into small pieces or move it out of the way of the drill bit. Next start the process of drill and punch over again until you're through the hardplate, hours later. The second method I'll cover is not even a drilling method. It involves using a burning bar or thermal lance. This method became popular in late 1980's for a very short time. The hardplate, being so difficult to drill and punch, that some decided to try burning their way in. The downside to using a burning bar is that it can't be used in most buildings. It's messy and if you're not careful you can burn the contents of the safe. If the lock has a thermal relock it may fire, requiring a second hole to be drilled.

Diamond-core drilling is currently the best method to drill carbide-included matrixes. Before drilling, we must first understand a little bit about the process of creating a carbide-included matrix hardplate. Most manufacturers keep the exact process a secret. The general method is to either add the carbide by rolling it in while the steel is still hot or add it as the steel is being produced. (Visualize adding chocolate chips to cookie dough.) This method will randomly place the carbide in the plate. I've drilled some plates that seem to have no carbide in my way and others that seemed to have only carbide in my way. This is the reason there are both hard and soft materials to use when drilling through a carbide-included matrix. The other method I've seen is to use carbide-included welding rod to deposit the carbide on the surface of a plate.

So how do I drill carbide-included hardplate with a diamond-core drill? Asking the question in the first person is important, since my method is not the only method.

Diamond-core drills look like hole saws with diamonds instead of teeth. I developed this method after talking with Jeff and Bob Voolsing from StrongArm. They recommended a few things. First, clean or polish the surface with a carbide bit. Second, use an inexpensive drill with an easy way to control the speed. Inexpensive drill motors are typically not high-powered drills. This is important so the drill motor will slow under pressure. Third, start slowly. Fourth, use light pressure on the bit. Although I've heard of technicians using a lever rig with a diamond-core drill, a fixed rig like the Bullet Rig from Lockmasters, the StrongArm



Photos 1 and 2 are the ends of five different StrongArm diamond core drills. The one on the left is a very old style bit, it has a short diamond sleeve around the tip. The middle bit is the newest bit. It has the deepest slot or relief between the diamonds. The other three are the middle vintage bits.

MiniRig or a magnetic-base press is required to use a diamond core drill. Let me take you through the process I use. First, I drill through the outer skin of the safe with a drill bit $1/32$ " larger in diameter than the diamond hole size for clearance. I've measured a $1/4$ " diamond core drill as large as .280 thousands. Next, using a high power drill to power the drill rig, I typically use a $1/4$ " x 6" carbide bit to attempt to drill the hardplate. If it drills I keep going. I use a 6" carbide bit, since the standard diamond-core drill from StrongArm is also 6". Longer bits are available but they should only be used when drilling a very thick door. Usually I make some progress until I hit the first chunk of carbide. Sometimes the bit will snag and break the tip off. Other times the drill will either pause or stop momentarily or the drill will speed up indicating a lack of cutting. Inspect the hole. Often, you will see either a shiny spot in the center or a void area next to a piece of carbide.

It's now time for the diamond-core drill. After chucking the core drill in the drill rig and reattaching the drill rig to the base plate, I slowly feed the bit into the hole without the drill motor. Once the bit contacts the surface, I back the bit off slightly and attach the drill motor. I start the drill motor; just barely turning maybe 50 to 100-rpm as I slowly feed the bit into the surface. The idea is to avoid stripping the diamonds off the end of the bit. If you go too fast or apply too much force, the diamonds will strip off or fracture. The bit can also mushroom if you use too much force. If the carbide bit has cut into the hardplate, the core drill tip may try and conform to the slope or angle left by the carbide bit if you apply too much force. I slowly feed the bit into the material, perhaps taking two to four minutes to advance the MiniRig feed screw one turn. After two

full turns of the feed screw, I slowly increase the speed of the drill motor as I continue to feed the bit into the material. Once I feel like the surface is smooth and flat, I increase the speed of the drill motor to between 1000 and 1500-rpm. I also increase the feed rate. My rhythm is usually to turn the feed screw about $1/8$ th of a turn, remove my hand and swing it down to my knee. Do this and the drill motor will slow down a little. Next, as the core drill cuts or grinds a little material away, the drill motor will speed up. This is when I swing my hand up to turn the feed screw another $1/8$ th of a turn. Some will advise you to cut for around 5 minutes then remove the core drill, check the progress and re-lube the bit with the included wax before drilling with the diamond some more. I prefer to continue cutting until something changes. Usually the bit will clog with the softer steel from around the carbide. The drill will stop cutting; you can tell this by the sound of the drill motor. It will not increase in speed after cutting for a while. The new bits from StrongArm have deeper grooves between the diamonds. StrongArm claims these bits will not clog with the softer metal as easily as the prior versions. I've tried them on a Mosler red label GSA container and found them to live up to the claim. Sometimes the bit may grab and stop or pause. If this occurs you may lose the bit.

After removing the core drill, I use a wire brush to clean the end between the diamonds and then re-lube the bit with the wax lubricant. Next I usually switch back to a carbide bit and clean the plug left by the core drill in the middle of the hole. Sometimes the carbide drill will start cutting. If it does, keep drilling. If not, change back to the diamond core drill. Others have suggested using a punch



to remove the plug. I prefer using the carbide-drill method. When the carbide drill stops making progress it's time to switch back to the diamond. Again use a very slow drill speed and light pressure to start. Repeat the process until you're through the hardplate.

A different method I've heard of, but never felt comfortable with, is to drill all the way through the hardplate with the diamond core drill leaving the plug intact. As you get to the very end, apply extra pressure to the core drill. This causes the bit to grab the plug and remove it as it snaps off. There are two problems I have with this method. First is

carbide-included matrixes. The first time I drilled one, it took 6 hours and 3 diamond core drills. I'm now down to an average time of 45 minutes to 1 hour. I can usually drill about 1 safe plus make it halfway through a second hardplate before needing a second bit to finish the hole. There are still times when getting through a hardplate may take 2 hours but those times are usually far and few between. Remember the most important part in diamond-core drilling is to let the core drill work. Too much force will translate into many too many bits. Slow and steady wins.

Photo 3 is of the end of a bit after drilling. You can see the soft material clogged between the diamonds. This is the material you need to remove with a wire brush.



Photo 4 shows the hole into the hardplate. The plug from the center of the bit can be seen in the picture.



the amount of friction that develops from the plug on the inner surface of the core drill. I find it better to remove the plug to decrease this friction. It provides a better feel for how the core drill is cutting. The second reason is that Mosler used two layers of hardplate on their red label containers. Using this method on a Mosler requires two diamond core drills.

Diamond-core drilling is not the easiest process but once mastered it is an excellent method of getting through

The Kaba Mas X Series: Hints and Suggestions

By Jorge R. Carmona III

We at Exolock Inc. have been doing business with the Federal Government in Puerto Rico for many years. My dad and I have been buying and installing X-07, X-08 and X-09 locks since they were first released at facilities for the Federal Government. We consider ourselves experts.

When we first started installing the X-07, we encountered a couple of problems. One was the round spindle that, when secured to the dial hub assembly, tended to loosen itself. Then came the round spindle with a flat surface to secure the two Allen screws of the dial hub assembly to the spindle. This was an improvement.

Another problem was at the other end of the spindle, where it connects to the drive cam with an Allen screw (3/32"X1"). This was a weak connection, and after some use, it breaks off and you have a freewheeling dial.

A great improvement arrived with the X-08 and X-09 spindles. The drive cam is firmly secured by a stainless steel nut. The spindle is triangular in shape and fits into the trian-



gular hole of the dial hub assembly, thus eliminating the chance for slippage.

The same is true of the drive cam.

However, the X-08 was not without its problems, as well. The back cover pin can turn out to be a headache.

Its purpose is to avoid taking off the back cover, when locked in position.

In a few cases, you would not be able to remove the back cover in the opened or closed position of the bolt. The main reason is because of a small, black flat-head screw. Make sure you tighten this screw, because if it's not tight, the cover pin may get jammed in the groove.

The retaining ring on the dial hub assembly is something that needs improvement in all three locks. It is very weak, and bends out of shape easily. When testing the lock before you install the dial, make sure you don't touch this ring.

You may bend it out of shape. The last thing we do is install the dial, and if it does not click in, we have to order a new dial hub assembly.

Make sure you perfectly align the retaining ring. Do not bang in the dial; align it in the dial ring and press in evenly with both thumbs.

Some Helpful Hints:

Don't install any of these locks if you don't receive a sealed box, or if you haven't furnished the lock yourself.

Ground yourself before you start the installation. We even carry a rubber mat.

Make sure you keep your hands dry and clean.

The alignment of the lock case assembly with the dial ring assembly (X-07) must be perfect. This will prevent malfunction. The plastic gears in the back cover must fit evenly in the cam drive.

When installing plastic cables, use a round toothpick to help with the routing of the cables.

The selling, installing, repairing and neutralizing of these locks have been a great source of work for our company.

To do Federal jobs, you should be certified. If you are not, find out how to become certified.

If by any chance, the dial ring becomes loose, you can remove the back cover – remove the screw (X-07) or nut (X-08 and X-09), remove the dial with spindle, tighten the dial ring screws, and replace parts.

If the spindle will not go through the cam drive, you may have to file it down.

Always make sure the small, black flathead screw that secures the bolt is tight (X-08). Only use the parts and screws that come with the lock. If you switch out or modify the parts, you are looking for trouble! We have had to respond to lockouts due to modifications done by inexperienced or unauthorized installers.

Last but not least, after installing a Kaba Mas lock and making sure the combination is working properly (50-25-50), give the customer the operating instructions with the factory combination and the change key. Make sure the customer opens the lock three times to insure that it is

working correctly. Urge them to do the same once they change the lock to a new combination.

Final Comments:

Every time we ran into some sort of trouble with the X-07, we would call Mas Hamilton to ask for advice. The answer we would usually get was that they were not even sure what the answer was. In other words, they were solving the lock problems as encountered them. Therefore, over time, the X-07 went through a series of modifications. In our opinion, when the X-07 was at its best moment, out came the X-08. We are not complaining, because this brought a lot of new work our way. Once again, when we had everything down on the X-08, there came the X-09. The X-09, in our opinion, is another revised version of the X-07, and a very good one at that. The selling, installing, repairing and neutralizing of these locks have been a great source of work for our company. We have yet to see a troubleshooting manual for these locks from the Kaba Mas Corporation.

One of the features of these locks is the ability to audit them in order to know if there were any illegal attempts to open the safe, and if so, how many. In our experience in dealing with these locks, and with the Federal Government, we have noticed that no one really seems to use this feature, and in many cases, don't even know that it exists.

Since these are electronic locks, sometimes you might run into some small problems (that have solutions). For example, we have had some locks come with a faulty stepper motor (retracts the bolt) straight out of the box, and the government agency has been able to replace this part direct from the factory. Some government agencies buy and store these locks in quantities over a period of time, so it is important that they are stored properly. To avoid misunderstandings, we recommend once again that if you are to install any of these locks, make sure it is a sealed box, or that you furnish the lock yourselves.

the mystery of the

ALOA APPARITION

“That’s Him,
I’m telling you!”

These were the words spoken by an employee at the National ALOA Headquarters in Dallas when she was shown a picture of a mysterious, blurry, ghostly figure. Yes, you heard it correctly. Ghost. For many years now, there have been vague rumors of strange encounters, and obscure tales of things going bump in the night (as well as in the day). But never before have we had a definitive sighting or such an up-close encounter with the ALOA Apparition. Let us take a trip back in time, and find out just how this “close encounter” came to be...

It was a dark and stormy morning around 7 AM. Sue came in to the ALOA office, expecting her normal routine. She strolled in casually, punched her time card – and headed back to her office to begin her day. Sue was normally a happy-go-lucky sort of person, not paying much attention to things around her. But something about this day was different. She couldn’t quite put her finger on it. Sue decided to brush it off and try to work as she always did. However, after a few pecks on her keyboard a cold chill came over her, as if something was watching her closely; and this time it wasn’t her boss.

She spun her chair around and there he was—an unnatural figure standing in the doorway. The figure was somewhat fuzzy and lacked any sort of definitive shape. (No, really. It wasn’t her boss). After the initial shock, Sue noticed that the figure followed the form of a man. He was a scruffy-looking sort with salt-and-pepper hair (Again, not her boss. Please, don’t ask again). Although most in this situation would be running for the door about then, Sue remained calm and unafraid. She could tell that this visitor meant her no harm. She tried to speak but, following the traditional ghost M.O., within a matter of seconds he vanished into thin air.

Sound far-fetched? Sound unrealistic? Sound like Sue had one too many Jelly Belly jelly beans for breakfast? Well, perhaps the last phrase is true. But the existence of the ALOA Apparition gains a little more credibility as the story moves on.

Read On, if you Dare!

The next day, Sue returned to the office in the usual manner. She punched the clock, turned on the light and began her daily routine once again. She needed to work on a particular credit card statement for her boss. She had placed it in her "to do" box the previous day. But as she reached for it she noticed... (insert dramatic pause)

IT WAS GONE!

How could this be? No one had been in the office but her. This inexplicable disappearance caused her to take a quick inventory of her desk. Sure enough, there were more things missing. She noticed a pencil was gone. She noticed a sheet in her notebook was missing. Here a pen, there a pen, everywhere a pen-pen. What was going on? And then she saw it!

DUM DUM da DUM!!! (Um, that was the over-dramatic music).

A note was left on her desk. It read: "I took yor pencil. HA HA."

So not only was this mysterious man a thief. He also had deplorable grammatical skills.

This was worse than she thought. He must be stopped.

Suddenly, a fear spread throughout the office.

More things were missing.

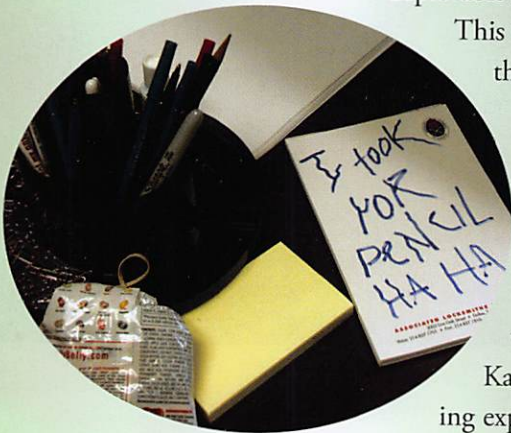
Kathy was missing expense reports.

Kevin was missing some

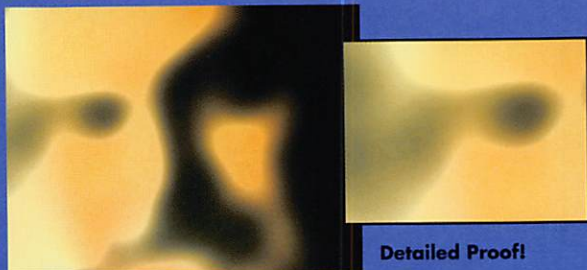
boxes. Mary was missing her assistant! The entire office came together and concocted a plan. A secret team was formed to investigate these strange happenings and to track down this ghost fellow.

Kevin was the first one chosen. He had a knack for tracking packages like nobody's business. The team figured he would be indispensable for tracking down this ghost.

Betty was the second team member. Her drawings of bunnies made her an excellent pick to create a forensic drawing of the ghost as Sue supplied the description.



REPORTER



Detailed Proof!

EERIE IMAGE CAPTURED ON FILM!

Bryan was the last to be chosen. He claimed to have seen Ghostbusters 32 times and assured everyone that "he ain't afraid of no ghost!"

The apparition team (or A-team as they like to be called) immediately went to work. The goal was to look for more puzzling office occurrences in order to track down the ghost. This did not take very long. A quick trip to the restroom revealed that the water pressure there had completely been lost. What kind of cruel joke was this ghost playing? Then, another call came in. It seemed that Kathy's office had a particular leak in the roof that continually leaked in the same place but mysteriously stopped leaking when the roofers came to inspect it. It was as if the ghost was undoing the patchwork on purpose. The hunt quickly led the team to the Publications Department, where one of the advertisements for the magazine was said to have been bleeding! (Luckily, the A-Team found out that "bleed" was a technical term for colors going past the edge of a page.) But alas, the team had made mistakes. (Doesn't every ghost story have to say "alas" at least once?) They lost the trail.

Finally, the A-team got a breakthrough. Even though the ghost was no threat to humans, he was apparently leaving a trail of dead bugs behind. Dead bugs were everywhere! Bugs were dropping like flies! (Hmm, okay. Maybe that was a little redundant.) Eventually, this trail of destruction led the team straight into the warehouse.



The warehouse is a scary place to be during the night. It's an excellent dwelling for a ghost...

The Warehouse.

Just the mention of that name brought a twinge of fear into the hearts of those about to enter. The A-Team had heard about how spooky it could be in there with all the old boxes and dust. But they decided that confronting a ghost would be worth conquering their fears.

Kevin turned the knob but the lock was stuck. Luckily, the ALOA staff knew where to find a locksmith (<http://www.aloa.org/locksearch.cfm>). The ALOA-certified locksmith made quick work of the door and soon the A-Team had access. They slowly pushed the door open. Creeeeeeeeak. One by one they entered the cardboard tomb. Betty quickly hit the lights. Nothing happened. The only things the group saw were boxes and an old fork-lift. But they knew the ghost HAD to be in here. All roads led to the warehouse. They decided to split up in order to cover more ground. All of a sudden, Kevin yelled out,

"I've found something!" The rest of the team ran over to see the discovery. To their surprise it was a stash of ink pens and highlighters! Sue exclaimed, "Those are all mine!" They were in the right place after all. Betty also had made an incredible discovery. Hidden underneath some old Keynotes magazines were several strange-looking machines. The team came to the conclusion that these machines must have been used to torture and destroy bugs, creating the trail that led them to this point. Then Bryan said, "Can't ghosts fly, or levitate, or at least jump really high?" And the team knew he was on to something. They began looking up and found the hard evidence they needed to prove that the warehouse WAS "Ghost Central". A single footprint rested on one of the warehouse rafters. Mr. Ghost had gotten sloppy. Having lived in the warehouse, he should have remembered how dusty the floor was. He had given himself away.

At that point, Kevin yelled out, "Show yourself ghostie!" Suddenly the room was filled with an eerie green light. Screeching noises echoed throughout the entire warehouse. Dark clouds of dense smoke began to fill the inside of the cave-like structure. The team could hardly breathe (really, it was no different than during the smokers' morning break!) They peered through the smoke and wondered if David might have just been cleaning again. But suddenly the ghost appeared out of thin air to make his grand entrance.

"How did you guys know how I was doing all of this?" he asked. "And how did you know where to find me? I have failed the ghost profession.", he howled. Betty was the first to speak up and remind the ghost that too many strange things were happening around the office for human hands to be at work. Besides, she and Sue understood the supernatural. Sue piped in and told the ghost that she had seen him in her office. Kevin told the ghost that the team had tracked him with the bug trail, ink pen stash and footprints on the ceiling. Bryan was the last to speak up, and told the ghost "We knew you weren't human. You took pencils from Sue's desk, and left Jelly Bellies sitting there. No real person would do that!"

The ghost then agreed to return all that he had stolen, to leave the roof alone, to give back the expense reports and to stop coming in to the offices uninvited. The team agreed to let the ghost to remain in the warehouse as long as he continued to take care of the bugs.

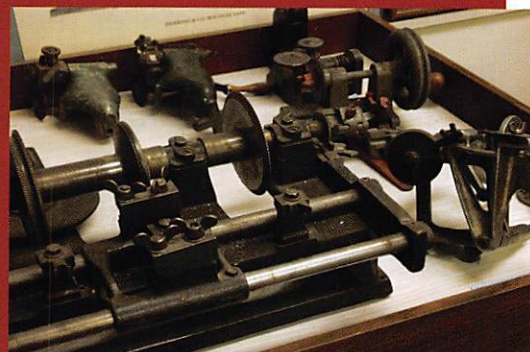
And they all lived happily ever after... (because it was Halloween, after all. bwwwwaaaaahahaha!)



UNREAL!

This ghost just seems to take whatever he wants!

Look out all you creepy-crawly creatures! This ghost apparently has a knack for making quick work of the likes of you!



BUGS ON THE RUN!

WHAT MORE PROOF DO YOU NEED?





l e g i s l a t i v e u p d a t e

Arlington, VA - The National Automotive Service Task Force (NASTF) announced today that a new NASTF Vehicle Security Committee has been formed to address recent issues raised by automotive security professionals.

The decision was made to establish the new committee after a working group of locksmith and automaker representatives met in May and July. The co-chairmen of the new committee are Paul Kanitra, government relations manager of the Associated Locksmiths of America, and Mark Saxonberg, manager of service technology for Toyota Motor Sales USA.

The immediate focus of the new committee is to identify and address gaps in access to vehicle security information for automotive security professionals.

Automotive locksmiths cover a very specialized area of vehicle service, including the opening of locked cars and the making of replacement keys. Over the past several years, most automakers have introduced sophisticated vehicle security systems to meet strict vehicle security requirements and protect customers' property from auto thieves. To maintain the integrity and effectiveness of these security systems, automakers must

limit access to information required to perform these unique services for customers.

The committee is currently exploring methods to develop a secure information release model that would establish a national registry of automotive security professionals. Conceptually, Internet and mobile telephone technologies could be used to validate information requests involving security related data. The committee's current objective is to establish a model that can ultimately be developed in a cooperative effort among automotive security professionals, automakers, insurance companies, and law enforcement agencies.

The National Automotive Service Task Force was established in 2000 to facilitate: (1) the identification and correction of gaps in the availability and accessibility of OEM automotive service information; (2) technology training for technicians; (3) availability of both OEM and generic diagnostic tools and equipment; and (4) communication outreach to automotive service professionals. Go to www.nastf.org for details.

LEGISLATIVE ACTION NETWORK

You're a professional locksmith,
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WE CAN!

The ALOA Legislative Action Network (LAN) needs Your support for the Voice of Our Profession.

The ALOA Legislative Action Network is constantly working to influence legislation that's important to the locksmithing profession. We are working in your best interests to promote legislation that will have a positive impact on our proud profession; while preventing or limiting legislative efforts that are harmful. To continue, we need your help to ensure the success of our legislative program for 2004!

If you contribute \$25-\$99.99 to the Legislative Action Fund, you automatically become a member of the Legislative Action Network (LAN). The LAN is an important tool in raising the standards of our profession through the legislative process by making sure that locksmiths have the final say in how our industry will be run. As a LAN member, you will receive:

- The Legislative Action Network Update alerting you to important legislation in your state and around the country.
- Networking opportunities with ALOA members who share the belief that legislative involvement is important to the effectiveness of our association.
- A listing of your state representatives and senators including capital and district addresses, and phone and fax numbers on both hard copy and disk.
- A comprehensive guide to lobbying in your state capital, so you can be the "voice of ALOA" to legislators.
- LAN stationary and envelopes for sending official letters to legislators, lobbying on ALOA's behalf.
- A lapel pin designating you as a special ALOA LAN member.
- Recognition in Keynotes magazine.
- An invitation to an exclusive reception at the annual ALOA convention for LAN members.

When you donate \$100 or more, you become part of the heart of the legislative program through LAN membership and receive the following:

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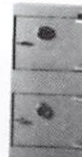
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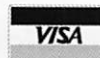
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Classified advertising space is provided free of charge to ALOA members and for a fee of \$2.00 per word, \$40.00 minimum for non members. Classified ads may be used to advertise used merchandise and overstocked items for sale, "wanted to buy" items, business opportunities, employment opportunities/positions wanted and the like. Members or non members wishing to advertise services or new merchandise for sale may purchase a "Commercial Classified Ad" for a fee of \$4.00 per word with a minimum of \$100.00. Each ad will run for two issues. For blind boxes there is a \$10.00 charge for members and non members. All ads must be submitted in writing to the Advertising Sales Department via fax at 817-645-7599 or through an email to adsales@aloe.org by the fifteenth of the month two months prior to issue date. ALOA reserves the right to refuse any classified advertisement that it deems inappropriate according to the stated purpose of the classified advertising section.

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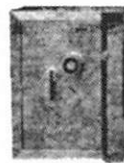
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Phone: 800-451-0200
Fax: 708-597-0881

Fairway Supply, Inc.

Phone: 214-350-0021
Fax: 214-352-4299
www.fairwaysupply.com

Foley-Belsaw Company

Phone: 800-821-3452
Fax: 816-483-5010
www.foley-belsaw.com

Fried Brothers Inc.

Phone: 800-523-2924
Fax: 215-592-1255
www.fbisecurity.com

Hans Johnsen Company

Phone: 214-879-1550
Fax: 214-879-1530
www.hjc.com

Hardware Agencies, Ltd.

Phone: 416-462-1921
www.hardwareagencies.com

IDN Incorporated

Phone: 817-421-5470
Fax: 817-421-5468
www.idn-inc.com

Intermountain Lock & Supply

Phone: 800-453-5386
Fax: 801-485-7205
www.intermountainlock.com

Jo Van Distributors

Phone: 416-752-7249
Fax: 416-752-7282
www.jovanlock.com

Lockmasters, Inc.

Phone: 859-885-6041
Fax: 859-885-7093
www.lockmasters.com

Locks Company

Phone: 800-288-0801
Fax: 305-949-3619

Locksmith Ledger International

Phone: 770-886-0800
Fax: 770-889-7703
www.lledger.com

M. Zion Company

Phone: 212-349-8677
Fax: 212-964-0495
www.mzion.com

McDonald Dash Locksmith Supply

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Fax: 901-366-0005
www.mcdonaldsdash.com

Monaco Lock Co.

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Fax: 800-845-5625
www.monacolock.com

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RA-Lock Company

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Fax: 972-775-6316
www.ralock.com

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Fax: 905-660-6313
www.securityhouselock.com

Security Lock Distributors

Phone: 800-847-5625
Fax: 800-878-6400
www.securitylockdistributors.com

Shin-An Enterprise Inc.

Phone: 718-225-5380
Fax: 718-819-0723

Southern Lock and Supply Co.

Phone: 727-541-5536
Fax: 727-544-8278
www.southernlock.com

Stone & Berg Wholesale

Phone: 800-225-7405
Fax: 800-535-5625

The Locksmith Store Inc.

Phone: 847-364-5111
Fax: 847-364-5125
www.locksmithstore.com

Timemaster Inc.

Phone: 859-259-1878
Fax: 859-255-0298
www.time-master.com

Top Notch Distributors, Inc.

Phone: 800-233-4210
Fax: 800-854-4146
www.topnotch.bz

Turn 10 Wholesale

Phone: 800-848-9790
Fax: 800-391-4553

U.S. Lock Corp.

Phone: 800-925-5000
Fax: 800-338-5625
www.uslock.com

Manufacturer

A & B Safe Corporation

Phone: 800-253-1267
Fax: 856-863-1208
www.a-bsafecorp.com

ABUS Lock Company

Phone: 800-352-2287
Fax: 602-516-9934
www.abus.com

Access Security Products Ltd.

Phone: 905-337-7874
Fax: 905-337-7873
www.access-safe.com

Adams Rite Mfg Company

Phone: 800-872-3267
Fax: 800-232-7329
www.adamsrite.com

Adesco Safe Mfg. Company

Phone: 800-694-9340
Fax: 562-408-6427
www.adesco.com

Adrian Steel Company

Phone: 800-677-2726
Fax: 517-265-5834
www.adriansteel.com

All Five Tool Company, Inc.

Phone: 860-583-1691
Fax: 860-583-4516
www.all5tool.com

associate members

American Lock Company

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Fax: 708-534-0531
www.americanlock.com

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Fax: 909-685-9685
www.amsecusa.com

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Fax: 714-441-0977

Bianchi USA, Inc.

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Fax: 216-803-0202

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Fax: 312-733-8356
www.buddyproducts.com

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Fax: 847-537-1800

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Fax: 864-297-9987
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Fax: 714-677-1299
www.ddtechusa.com

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Fax: 717-336-2106
www.dorma-usa.com

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Fax: 978-422-3467
www.don-jo.com

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Fax: 800-742-0410
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Fax: 978-562-9859

FireKing Security Products

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Fax: 800-896-6606
www.fksecuritygroup.com

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Fax: 989-354-4238
www.framon.com

HPC, Inc.

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Fax: 847-671-6343
www.hpcworld.com

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Fax: 330-467-7442

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Fax: 805-658-8833
www.gearkeeper.com

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Fax: 317-613-8068
www.schlagelock.com

Jet Hardware Mfg., Co.

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Fax: 718-257-0973
www.jetkeys.com

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Fax: 252-446-4702
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KEY-BAK/West Coast Chain Mfg.

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Fax: 909-923-0024
www.keybak.com

Keri Systems Inc.

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Fax: 408-441-0309
www.kerisys.com

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Fax: 815-459-9097
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www.labpins.com

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Fax: 310-325-5615
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Fax: 714-373-2998
www.laigroup.com

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Fax: 405-376-6870
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Fax: 626-858-3393
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Fax: 541-752-5285
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Security Consultants, Inc.
Phone: 800-438-1951
Fax: 800-338-0965

Service Organization

Allstate Insurance Company

Phone: 800-859-0247
Fax: 847-326-7509
www.allstate.com

Cross Country Automotive Services

Phone: 800-541-2262
Fax: 781-393-0256
www.argosi.com

Massglass & Door Service

Phone: 888-742-8837
Fax: 805-497-2255
www.massglass.com

Webster Safe & Lock Co., Inc.

Phone: 901-332-2911
Fax: 901-332-2878
www.webstersinc.com

The ALOA Scholarship Fund

What is the ALOA Scholarship Foundation?

The locksmith industry is in tremendous and continuous transition. Many new skills are required for the locksmith to be productive and successful as a technician, manager and/or business owner.

The "strictly mechanical" business of the past is now challenged by the consumer demand for electronic security. The physical security market is growing and competition for security products and services is also growing. Many companies outside of the traditional locksmith market are investing in traditional locksmith technical knowledge and services. Locksmiths must seek and develop more technical and business knowledge to succeed.

While many locksmiths are willing to meet this call-to-action to learn, often the burden of doing business in today's more competitive environment is challenging profit generation, making money for education a luxury.

The Associated Locksmiths of America Scholarship Foundation (ASF) is an important source for educational funding. We support all locksmith efforts to seek education via technical training and business management from all educational providers. Scholarships are not limited to ALOA educational programs. While ALOA does have an impressive history in locksmith training and testing, the independent ALOA Scholarship Foundation encourages locksmiths to apply for funding for industry-related training.

The ALOA Scholarship Foundation is an independent 501(c)(3) (tax I.D. #75-2478220) educational, tax exempt corporation established in 1993 to encourage and provide for educational services, programs and materials concerning locksmithing and security devices and procedures; develop scholarship and assistance programs for persons interested in pursuing a career in the security and locksmithing field; to provide and to receive funds in imple-

ment the purposes of the Foundation; and to perform and do any and all such other acts as are necessary, convenient and proper for the attainment of these objectives.

ALOA and the ALOA Scholarship Foundation

The primary difference is the ownership. The ALOA corporation is member owned. The ASF is self-owned. ALOA does not own the Foundation. ALOA's board of directors has only two responsibilities to the Foundation, it currently elects the directors of the Foundation and must approve any bylaw changes of the Foundation. The ALOA board has no authority to remove an officer or director and cannot fill vacancies in these positions. Donations to ALOA are taxable while those to the Foundation qualify as tax deductions for the donor. It would not be legal for donations to be made to the Foundation and the donation to be subsequently used by either ALOA or SAVTA without payment to the Foundation at "fair market value."

Future of the ASF

The success of the Foundation depends on a healthy locksmith industry. The work of the ASF volunteer board must be to seek the new avenues that give locksmiths the tools necessary to maintain a competitive edge. To meet these ends, we must have the support of the entire locksmith industry. We need volunteers to show us their vision of how we can create better technical and business management opportunities and deliver them to the industry. We need money and donations to fund students and programs that will grow the industry. We need for all education providers to stand up, identify themselves to the Foundation and show how they can help achieve the ends of the Foundation. We need locksmiths to apply and take advantage of these educational opportunities to develop and grow their businesses, which in turn, will strengthen the industry.

Purpose of the ALOA Scholarship Foundation?

The ALOA Scholarship Foundation is an independent, educational, non-profit 501(c)(3), tax-exempt corporation established in 1993 to:

- Encourage and provide for educational services, programs and materials concerning locksmithing and security devices and procedures.
- Develop scholarship and assistance programs for persons interested in pursuing a career in the security and locksmithing field.
- Solicit funds necessary to implement the purposes of the Foundation.
- Perform and do any and all such other acts as are necessary, convenient and proper for the attainment of these objectives.

What are the Scholarships for?

The Associated Locksmiths of America Scholarship Foundation (ASF) can be an important source for educational funding. We support all locksmith efforts to seek education via technical training and business management from all educational providers. Scholarships are not limited to ALOA educational programs. While ALOA does have an impressive history in locksmith training and testing, the independent ALOA Scholarship Foundation encourages locksmiths to apply for funding for any of the following industry related training:



Corporate Safe Specialists raised \$506 at the ALOA Convention. They have donated \$1016 to the ALOA Scholarship Fund. Mandy, Karl and Mike attended the ALOA Show.

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Security & Safety
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www.pbp2000.com

- A full ALOA convention package, including, depending on individual needs, hotel and transportation costs
- A full SAVTA convention package, including, depending on individual needs, hotel and transportation costs.
- Sponsored ALOA Certified Class presentations approved by the Foundation Board.
- Other locksmith training provided by education facilities approved by the Foundation Board.

Selection Criteria

The ALOA Scholarship Foundation awards scholarships for locksmith education based on several criteria that includes:

- Individual applicants financial needs
- Character
- Aptitude for the skills necessary in locksmithing
- Demonstration of a desire for a career in locksmithing
- Availability to attend the event for which the award is given
- Demonstrated commitment to the locksmith industry
- Letters of recommendation from locksmith industry references.
- Previous Scholarship awards.

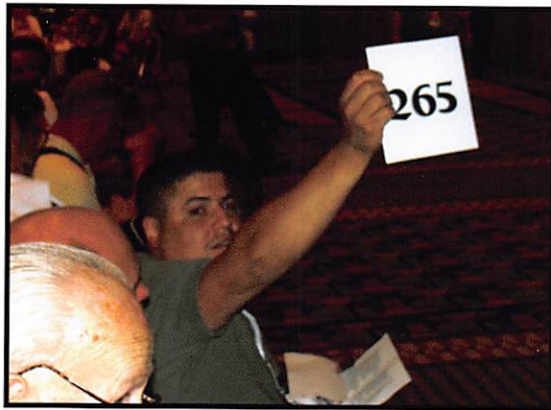


Application forms for Scholarships are available from the ALOA web site, in Keynotes magazine, in ALOA booths at local shows and from the ALOA office by request.

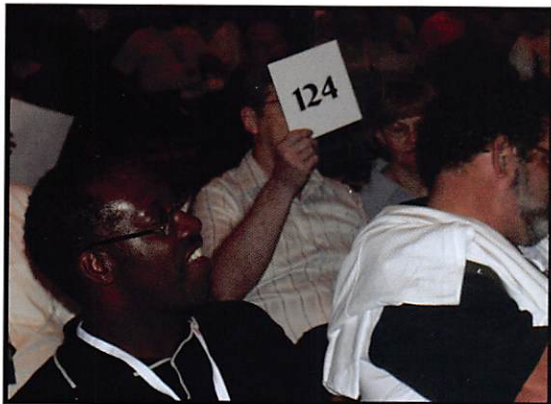
Scholarship applications for Safetech or ALOA must be submitted at least 90 days prior to the first day of the event for which the scholarship is being requested. Scholarships for other educational events must be submitted at least 60 days prior to the event being requested, in order to be given adequate consideration.

Scholarships are awarded within two weeks of the deadline for submission for each event.

The ALOA Scholarship Foundation Board of Directors awards all scholarships 15 days after the deadline for submission of applications.



**Over \$40,000 was raised
for the ALOA Scholarship
Foundation at the
ALOA 2004 Convention
and Security Expo**



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ALOA Scholarship Foundation, Inc.

An independent, educational, non-profit 501 (C)(3) tax-exempt corporation – Federal Tax ID # 75-2478220

Headquarters Office • 3003 Live Oak Street • Dallas, Texas 75204-6186 • 214/827-1701 • FAX 214/827-1810

SCHOLARSHIP APPLICATION

Please print or type

NAME _____ PRP/STPRP LEVEL _____ ALOA/SAVTA# _____

HOME ADDRESS _____ CITY _____ STATE _____ ZIP _____

HOME PHONE _____ DOB ____/____/____ EDUCATIONAL LEVEL ____ (YEARS) DEGREE, IF ANY ____

PRESENT EMPLOYER _____ SUPERVISOR'S FULL NAME _____

WORK ADDRESS _____ CITY _____ STATE _____ ZIP _____

WORK PHONE _____ FAX _____ EMAIL: _____ @ _____

POSITION _____ FULL TIME ____ PART TIME ____ TAKE HOME PAY _____ per _____

LENGTH OF TIME IN LOCKSMITHING _____ MEMBERSHIP IN TRADE ASSOCIATIONS (List by name) _____

MARITAL STATUS _____ NUMBER OF DEPENDENTS _____ HOUSEHOLD ANNUAL GROSS INCOME _____

CLASSES DESIRED _____ DATE OF CLASSES _____

ORGANIZATION SPONSORING CLASSES: ALOA ____ SAVTA ____ OTHER _____ LOCATION _____

If granted an ALOA Scholarship, will you be able to pay for your own air travel/transportation and hotel accommodations?

☐ Yes ☐ No

If no, please explain (use another sheet if necessary): _____

ALOA Scholarships are granted to selected individuals desirous of entering the locksmithing field or to selected individuals already in the locksmithing field who wish to improve their professional skills through education. The ASF Selection Committee on an objective and nondiscriminatory basis will review applications. The Selection Committee shall hold all materials and information pertaining to the applicant's financial status and background in strict confidence. Applications for non-convention classes must be received 60 days prior to the date of the non-convention class desired and will be reviewed as they are submitted. Scholarships for classes at the SAVTA or ALOA convention will be awarded each year preceding the convention and must be received 90 days prior to the event requested.

Please include with this form a letter stating: your reason for applying for a scholarship, what you plan to do with the knowledge you obtain and any other information you feel may be helpful to the Scholarship Board in making its decision. In addition, attach three letters of reference from individuals who have personal knowledge of your background and character. The letters should contain their names, addresses and phone numbers. It is helpful if at least one of these references is an ALOA or SAVTA member. All scholarship recipients will be required to provide a 3" x 5" photograph.

APPLICATION CHECKLIST

Only complete applications will be considered for scholarships. An application is considered incomplete unless ALL of the requested information is received before the deadline: **90 days for SAVTA and ALOA convention** OR 60 days prior to the non-convention classes. Please send this application after checking off each of the items below.

- _____ I have filled in each blank on this form.
- _____ I have written and enclosed a letter explaining my reason for applying.
- _____ I have enclosed three letters of reference.
- _____ I am submitting **90 days prior to the SAVTA or ALOA convention classes** OR 60 days prior to the date of another scheduled ACE class or seminar.
- _____ I have enclosed a 3" x 5" photograph.

CERTIFICATION OF APPLICANT

I certify that the information contained herein, and all supplemental forms are complete and correct to the best of my knowledge. I further certify that if I am selected as a scholarship recipient I will use the knowledge gained for the improvement, development and advancement of the locksmithing profession. Also, if asked by an authorized ASF official, I agree to give proof of the information that I have given on this application. I also understand that this proof may include copies of my previous year's Federal Tax Return. I also understand that if no proof is given when requested, I may not receive an ALOA Scholarship Award. I understand that this application is valid only for the event/class specified and is not transferable.

Signature _____ Date _____

Please send all completed applications to The ALOA Scholarship Foundation at the address at the top of the page.

Revised 07/03

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Hardware for gates, doors & storage

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The Ultimate Security Gate Latch

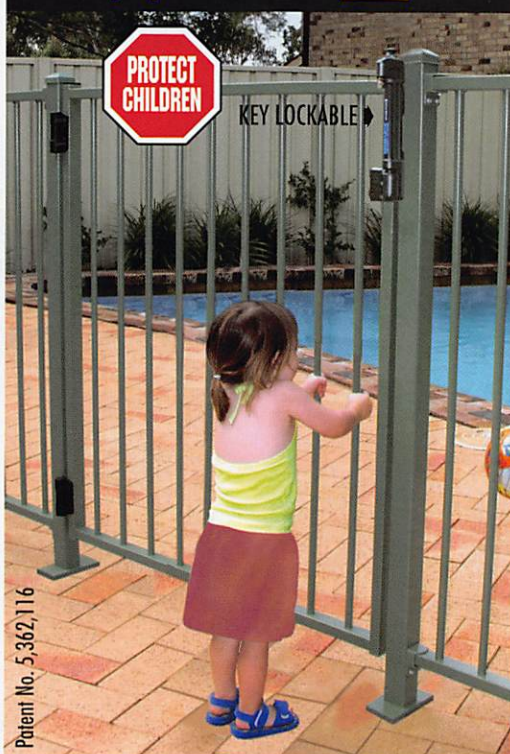
LOKK•LATCH[®] PRO is the most sophisticated safety and security gate latch ever devised. It is a privacy latch that locksmiths and security businesses have been raving about!

This quality, patented latch can be operated and locked from either side of the gate!

LOKK•LATCH PRO is uniquely constructed to work effectively in both residential and commercial applications. The "External Push-Button Lock" component fits to the outside (street side) of the gate post to provide convenient, key-operable access.

As a standard 6-pin key-in-knob style lock cylinder. This cylinder can be keyed-alike, non-keyed and master-keyed, or can be upgraded with a higher security cylinder.

So simple, even a child can't use it!



MAGNA•LATCH[®]
MAGNETIC SAFETY GATE LATCH

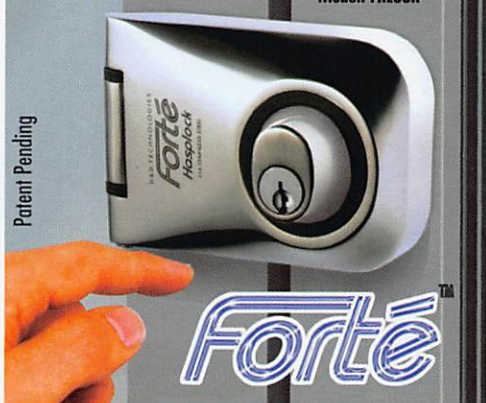
Why take chances when choosing a child safety gate latch? MAGNA•LATCH[®] provides magnetic safety unmatched by any other gate latch.

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MAGNA•LATCH is easy to install (externally) to new or existing gate and fence materials. It is fully adjustable both vertically and horizontally.

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Model: FHLSSR



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