

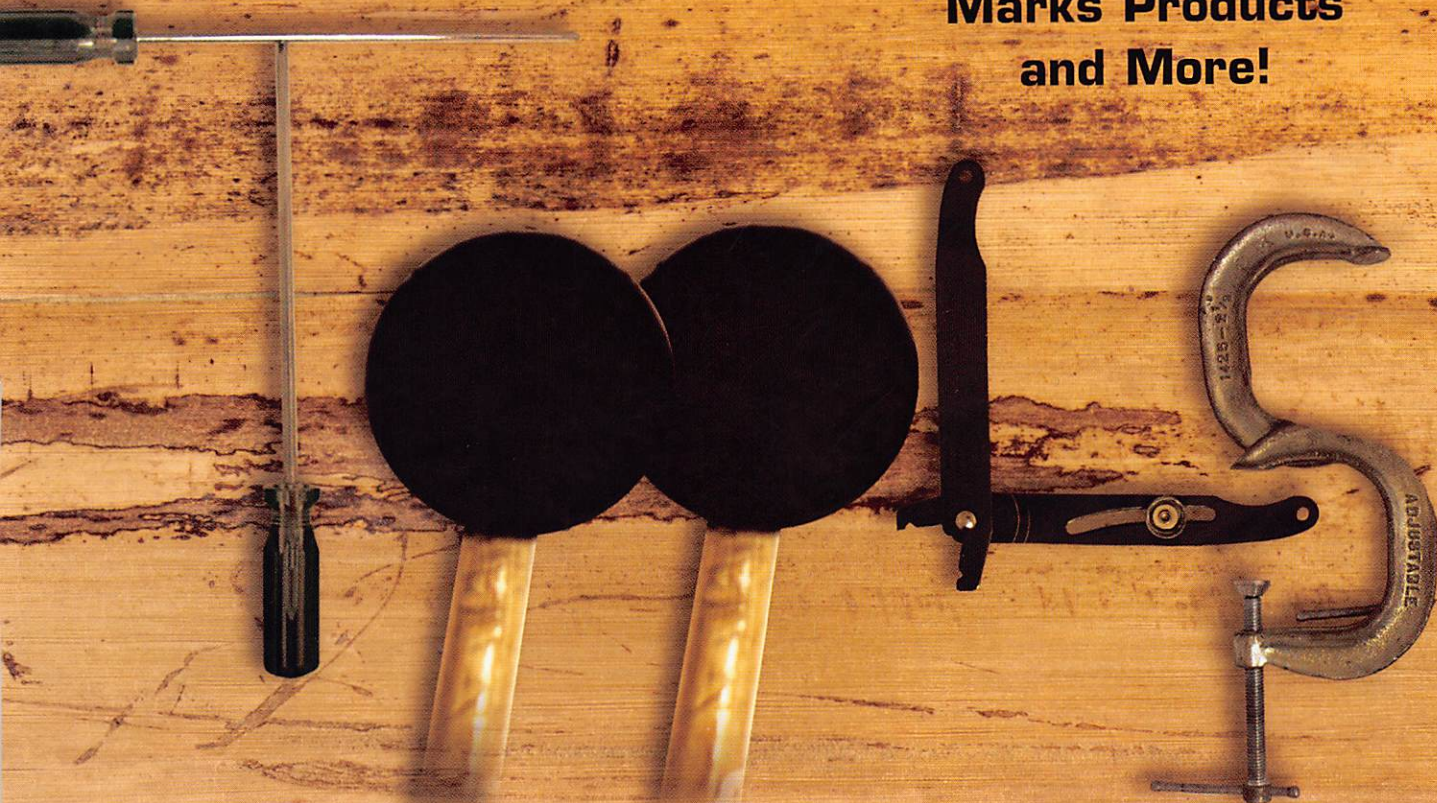
Keynotes

October 2005

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Tools

New Lock Lube
Marks Products
and More!



PLUS!

Important
Information
pages
32, 34

How You Can Help Hurricane Survivors

Dominion Removable Core

Secondary Careers for Locksmiths

The History of The ALOA Open
Golf Tournament

On the Road with the ALOA Board

*****SCH 3-DIGIT 303

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Important Notice



**Please see Page 34 of
this issue for impor-
tant changes regard-
ing the ALOA Bylaws.**



Dear Members,

cooperation - 1. A co-operating. 2. Collective action, as in industry, for mutual profit or common benefit.

In my northeast neck of the woods, leaves will soon be falling and I will be raking them for the compost pile. Of course, my job is easier if I have more than one person raking. Working together, cooperation, always lightens the load. The same can be said of any task that needs to be completed.

In today's world, we witness the combining of companies and corporations; this is very evident in our own security industry. ASSA/Abloy, Ingersoll/Rand (IR) and Ilco/Kaba are but a few examples of large companies encompassing twenty or thirty companies. Merging like this is not done on a whim. In combining forces, all the individual strengths are brought together to form a more viable and profitable organization. It eliminates waste and duplication of effort.

Slipping away is the day when one security company can adequately fulfill all the public's needs. The fast-paced advance of technology and the expense of up-to-date equipment and supplies make it difficult for most businesses to keep up. As a result, we are seeing a growth of specialists: Automotive Security, Electronic Access, Commercial, Residential, Institutional Locksmithing, Safe and Vault, and a myriad of other related specialties far too numerous to mention. All of these enterprises are equally important and valuable to the security of the public. Slipping away is the day when one local locksmith association can fulfill all the needs of all its members. Some join together for mutual benefit in areas of legislation, social functions and use of equipment and space.

Over the years I have met with many groups, who through no fault of their own and for lack of the proper information, find themselves losing a lot of time, effort and money duplicating what some groups have already accomplished. What is sorely needed is a rallying place, a clearing house, where all entities can come together to exchange ideas, supply information and cooperate. What has been overlooked and forgotten is that the security industry has just such a place! It is called the Associated Locksmiths of America.

In 1956, several forward-looking, local, independent locksmith associations gathered their resources to form ALOA. We need only to look at the ALOA Bylaws. It's all there in Article II. If we come together and bring all our talents, ideas and strengths, we cannot help but create a better company, a better association, a better individual. Cooperation is the key!

Take 'er easy.

Sincerely,

Robert E. Mock

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U.S. PATENT 4,570,953

TOOLS 2005

10 A Slick New Tool

Mil-Comm Products Company, Inc., the creator and manufacturer of Lock Saver®, "The world's finest lock lubricant", introduces its company and products to the readers of Keynotes.

12 The Mysterious Dominion Removable Core

The Dominion Large Format Removable Core is still today shrouded in mystery. Nothing can be found on the Internet – no factory spec sheets are available – few people around to document its existence – nothing to be garnered on locksmith websites – no real information from those "in the business". It's reminiscent of the "Mulder & Sculley - X-Files" episodes. But, now the information is being unveiled for you.

by William M. Lynk, CRL

16 Tackling An Antique Fire Door

Eric Costley installs an entry-door lock on the top floor of a renovated building.

by Eric Costley, CPL

18 Making the Switch

Greg Perry switches to new locks by Marks, solving a problem with a keyless mechanical combination lock.

by Greg Perry, CML, CPS

22 A-2 Brutus? Small Format Interchangeable Core (SFIC) Made...Bearable

Last month we discussed terminology, the cylinder, depths and spacing, key cutting, tools. This month we will deal with the math and techniques for control pinning and core removal.

by Jim Hancock

26 Who Knew the Special Talents of a Locksmith?

After 25 years as a locksmith, Jon Griswold investigates other professions in which a locksmith's talents would be assets.

by Jon B. Griswold, CML

34 Bylaws Changes Update

The membership of ALOA approved, by overwhelming majority, passed seven bylaws changes this summer. Three of these changes substantially altered the requirements for membership in the association. Read the second of several installments describing these changes.

28 20 Years of ALOA Golf

This year at the ALOA 2005 Convention and Security Expo, Reginald Moxley, Chairman of the ALOA Open, and John Patterson, Co-Chairman retired and passed the torch to a talented new group of leaders and organizers. Read the rich history and see where it is headed in the future.

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Additional contact information for the ALOA Board and most Keynotes authors is available through "Locksmith Search" on the ALOA Web site— www.aloa.org or by contacting the ALOA office at 3500 Easy Street; Dallas, TX 75247; (800)532-2562; FAX (214)819-9736; e-mail aloea@aloea.org.

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1964-1966 William Meacham
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Mission Statement: The Associated Locksmiths of America, Inc. is dedicated to enhancing the professionalism, education and ethics among locksmiths and those in related sectors of the physical security industry. With approximately 10,000 members in the United States, Canada and the freeworld, ALOA is poised to help members obtain the knowledge, the strength, and the confidence to perform their role in the physical security field with pride and dignity. But it is only through active involvement and participation that ALOA can fully achieve its potential—and can help members to achieve theirs.

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These applicants are scheduled for clearance as members of ALOA. The names are published for member review and comment within 30 days of this Keynotes issue date, respectively, to ensure applicants meet standards of ALOA's Code of Ethics. Protests, if any, should be addressed to the Membership Department and must be signed. Active Membership applicants (a) have worked in the industry two or more years. Allied Membership (AL) applicants are not locksmiths, but work in a security-related field. Apprentice Membership (AP) applicants have worked in the industry less than two years.



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u p c o m i n g e v e n t s

OCT	11-15 Pacific Locksmiths Association 2005 Conference Portland, Oregon ACE Classes, PRP Exam, Trade Show	19 NJMLA Monthly Meeting. Third Wednesday of every month. Call (201)944-7547 or (201)947-6291 for time and location.	24-29 6-Day Basic Locksmithing Fox Valley Technical College Appleton, WI 54912-2277 Contact: Ann Kading 1-800-735-3882 x2482	27-29 GPLA 56th Annual Convention- Mount Laurel, New Jersey Contact: Robert Schuettrumpf, CRL 856-486-9280
	2-5 Yankee Security Convention ACE Classes, Trade Show & PRP Sturbridge, MA	4 Greater Houston Locksmiths Assn Automotive tips & tricks / open forum For registration info contact: Judy Clifford, phone 979-297-2413	5 Greater Houston Locksmiths Assn All day auto hands-on class For registration info contact: Judy Clifford, phone 979-297-2413	16 NJMLA Monthly Meeting. Third Wednesday of every month. Call (201)944-7547 or (201)947-6291 for time and location.
NOVEMBER	18 ALOA Open House 3500 Easy Street Dallas, Texas 75228 10a.m.-4p.m.			
DECEMBER	5-10 Dallas, Texas Six-Day Basic Locksmithing Course Contact: Hope Rodriguez Phone: 800-532-2562 x104	21 NJMLA Monthly Meeting. Third Wednesday of every month. Call (201)944-7547 or (201)947-6291 for time and location.		

UPCOMING ACE CLASSES

10/11-15/2005	Portland, Oregon • Pacific Locksmiths Association Bill Botek, CRL 503-644-9881 Life Safety Codes w/L07 PRP Fundamental Locksmithing (2 days) Servicing Aluminum Storefront Doors Safe Combination Lock Servicing Basic Electricity w/L13 PRP Advanced Shop Management Professional Impressioning Techniques
11/2-5/2005	Sturbridge, MA • Yankee Security Convention (9 classes) Jack Hobin, CPL • info@yankeesecurity.org 800-209-8266
11/12/2005	Detroit, Michigan • Locksmith Security Association • Robert C. Nobel, CML 810-385-9329 Large Format IC w/L39 PRP
11/19-20/2005	St Louis, Missouri • BiState Chapter of ALOA • Basic Auto Transponders Systems Advance Transponders Systems & Keyless Remotes Robert Theobald 314-340-6804
12/5-10/2005	Dallas, Texas • ALOA ACE Program Hope Rodriguez 800-532-2562 x104 6 day basic locksmithing course

UPCOMING PRP SITTINGS

10/02/2005	Sunday 8:00 am • Des Moines, IA • Iowa Locksmith Association Harry Russell 319-338-8735
10/02/2005	Sunday 10:00 am • Carlsbad, NM • Associated Locksmiths of New Mexico • Roy Haynes, CRL • 505-746-2133
10/08/2005	Saturday 9:00 am • Colorado Springs, CO • Central & Southern Colorado Locksmith Assn • Gordon Racine, CML 719-384-4707
10/09/2005	Sunday 9:00 am • Orlando, FL • SERIAC 2005 James Barnhardt, RL 813-689-5979
10/13/2005	Thursday 9:00 am • Dallas, TX • ALOA Hope Rodriguez 800-532-2562
10/14/2005	Friday 6:00 pm • Portland, Oregon • Pacific Locksmiths Association Bill Botek, CRL • 503-644-9881
10/30/2005	Sunday 10am • Mt Laurel, NJ • GPLA Robert Schuettrumpf, CRL 856-486-9280
11/5/2005	Saturday 9:00 am • Sturbridge, MA • Yankee Security Convention Jack Hobin, CPL • 800-209-8266
11/10/2005	Thursday 9:00 am • Dallas, TX • ALOA Hope Rodriguez 800-532-2562
11/12/2005	Saturday 8:00 am • Cary, NC • North Carolina Locksmiths Association Granger L. Marley, CML 919-859-6060
11/13/2005	Sunday 8:00 am • Baltimore, MD • Clark Security Products Joan Emrick 619-718-7308
11/19/2005	Saturday 6:00 pm • Bi-State Chapter of ALOA • Kenneth Kim, CRL, CPS 314-351-7252
12/08/2005	Thursday 9:00 am • Dallas, TX • ALOA Hope Rodriguez 800-532-2562



Former ALOA President Receives National Honor



Former ALOA President, Constant "Connie" Maffey was recently awarded the Distinguished Flying Cross medal from the United States Air Force. Throughout history, the medal has been awarded to such greats as Charles Lindbergh and Amelia Earhart.

Mr. Maffey received the Distinguished Flying Cross medal for his quick thinking as Flight Engineer on a B-24 bomber headed for Nazi Germany on February 25, 1945. During take off, one of the plane's four engines failed, causing Maffey to make quick adjustments, to ensure a continued flight on "The Liberator".

The Pilot of The Liberator, James Dultz recommended Mr. Maffey for the award in 1945 but with the end of the war, the paperwork was lost or forgotten. Sixty years later, Mr. Dultz was able to finish what he started with the help of his local congressman.



Mr. Dultz recounted the events leading up to Mr. Maffey's heroic actions, "As we reached the end of the runway, we were still several mile-per-hour short of takeoff speed. Maffey realized that the standard adjustment would not give us sufficient power for take-off and, without orders, adjusted each turbo

individually." He went on to explain that Maffey's actions helped the plane gain enough speed to bounce over a ditch, go through a farmer's fence and finally become airborne.

When asked about his heroic actions, Maffey humbly stated, "I was just doing my job."

Lock Museum of Orange County

The Lock Museum of Orange County recently received special attention from the Los Angeles Times in a story entitled, "Museum of a Lock-Tested Master". The article describes one of the largest collections of handcuffs, leg irons, and restraints "west of the Mississippi". The museum's de facto curator (and ALOA Board Member), Julie McCluney listed some of the items: locks from Harry Houdini's collection, torture items such as leg irons and neck cuffs with protruding spikes, a lock that secured Elvis Presley's dressing room at the MGM Grand Hotel Las Vegas, three locks from Hearst Castle, 5000 padlocks, 175 handcuffs, 100 time locks, 900 mounted lock samples and an inner vault cage door salvaged from Wells Fargo Bank in San Francisco after the 1906 earthquake.

For more information on the museum, contact George Hill or Julie Hill McCluney at Hill's Bros. Lock and Safe in Garden Grove, California.

ALOA Open House

Be the first on your block to get an inside view of ALOA's new headquarters office. Join us for an open house November 18, 2005, 10 a.m.-4 p.m.. Call (800)532-2562 for more details.

Wisconsin Celebrates Professional Locksmiths Week

Jim Doyle, Governor of Wisconsin recently declared October 3-9 2005 as Professional Locksmiths Week to coincide with the observance of October's National Crime Prevention Month. The proclamation reads: "Whereas, professional locksmiths dedicate endless hours of time and almost unlimited funds to advance their education in certified Associated Locksmiths of America (ALOA) courses; and

Whereas, professional locksmiths respond to calls 24 hours a day, 7 days a week, 365 days a year; and

Whereas the work of a professional locksmiths plays a major role in the prevention of crime as well as helping to secure homes and automobiles and the individuals who live in or use them; and

Whereas, professional locksmiths must pass numerous criminal investigation tests and are also expected to be knowledgeable of all laws and the rights of property owners; and

Whereas, professional locksmiths are genuinely concerned with crime prevention and work hand in hand with law enforcement,

Now, therefore, I, Jim Doyle, Governor of the State of Wisconsin, do hereby proclaim October 3-9, 2005 which coincides with the October observance of National Crime Prevention month, as

Professional Locksmiths Week

in the State of Wisconsin, and commend this observance to all citizens.



Discovery Channel Busts Lock Myth

It's a tough job separating truth from urban legend but Mythbusters has taken on the challenge. Each week special-effects experts Adam Savage and Jamie Hyneman take on three myths and use modern-day science to show you what's real and what's fiction. They do more than explain how something may or may not be scientifically possible. Through trial and error they actually demonstrate it.

Recently, this popular television show contacted ALOA's Assistant Education Manager, Robert Stafford, to enlist help debunk certain legends involved with Benjamin Franklin and his famous key. Check your local listings this season for dates and times of this showing.

In the meantime, don't miss these two experts attempt to ignite a fire with a cell phone or explode a toilet every Wednesday at 9 p.m. ET/PT on the Discovery Channel.

ALOA Member in the News

ALOA member Roy Watters receives national attention for his safecracking skills: http://www.businessweek.com/magazine/content/05_25/b3938463.htm

A Slick New Tool



Mil-Comm Products Company, Inc., the creator and manufacturer of Lock Saver®, “The world’s finest lock lubricant”, introduces its company and products to the readers of Keynotes. Although new to the lock industry, Mil-Comm is a well-established U.S. Defense Contractor that has been innovating, formulating and manufacturing specialty high-performance lubricants for the U.S. Military and its NATO allies since 1985. Mil-Comm’s original formula, TW-25B®, gained widespread approval from the troops and U.S. Department of Defense during Operation Desert Storm because it performed so well in the harsh heat and scorching sands of the desert. It is also both non-toxic and environmentally friendly.

In 2004, the U.S. Department of Defense awarded Mil-Comm the highly-competitive, “10 Year, Sole Source” sup-

ply contract. Today, TW25B® and its derivatives are lubricating the most critical performance hardware systems on the land, on the sea and in the air. Mil-Comm’s customer base has grown to include federal, state and local law enforcement agencies, professional gun enthusiasts and weapons manufacturers throughout the world. As the company grew, Mil-Comm introduced this unique, innovative technology to the Marine market with the creation of the Reel Saver®, Boat Saver® and Line Saver® brands.

Early this year, with twenty years of experience making lubricants, Mil-Comm proudly introduced this advanced technology to the commercial lock market with the launching of Lock-Saver®, the lubricant protectant for all locks. This innovative product line of all synthetic lubricants was developed and formulated in response to the needs of the

Federal Bureau of Prisons and other branches of law enforcement, who had previously adopted specialty lubricants for use on everything from handcuffs to prison locks.

Since its debut in March 2005, Lock Saver® aerosol has earned enthusiastic approval by the prison hardware maintenance community and by commercial locksmiths for its exceptional performance lubricating all kinds of locks. Users enthusiastically endorse Lock Saver® because, unlike most other lock lubricants, it is long lasting, environmentally friendly and not petroleum based.

Lock Saver® lubricants employ special nano-technology to repel both sand and grit, preventing the internal lock mechanisms from clogging up with a build-up of debris. Lock Saver® also works reliably in an extremely wide range of temperatures from -65°F to +450°F. As demonstrated at the ALOA 2005 Convention and Security Expo with dry ice, Lock Saver® lubricant will not freeze or attract moisture. It remains malleable, sloughing off ice crystals with ease.

The Lock Saver® product line now includes a lubricating grease, an oil and a water-based cleaner and degreaser that emulsifies organics on contact in addition to our Lock Saver® aerosol. Lock Saver® grease and Lock Saver® oil are both

available in a convenient syringe and traditional packaging to meet the needs of locksmiths® in the shop, on the job or on the road.

Mil-Comm is proud to announce that several major lock manufacturers will soon incorporate Lock Saver® lubricants into their production process. Lock Saver® lubricants are the latest innovations in Mil-Comm's twenty year history of formulating, manufacturing and marketing superior performance, non-hazardous lubricants in the U.S.A.

Lock Saver® saves locksmiths time and money. Once applied to lock mechanisms, Lock Saver® greatly reduces or eliminates those costly customer "no charge" service calls as it provides long-lasting reliability of parts.

Lock Saver® products will only be distributed through the professional locksmith trade, providing a unique product line that locksmiths can use on the bench, take on a service call, or sell to the customer as an add-on to the call or in the locksmith's shop.

For further information about Lock Saver® lubricants and Mil-Comm Products, please visit www.mil-comm.com or call toll free at (800)743-4518.



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The Mysterious Dominion Removable Core

By William M. Lynk, CRL



The Dominion Large Format Removable Core is still today shrouded in mystery. Nothing can be found on the Internet – no factory spec sheets are available – few people around to document its existence – nothing to be garnered on locksmith websites – no real information from those "in the business". It's reminiscent of the

"Mulder & Sculley - X-Files" episodes. But, now the information is being unveiled for you. The "quiet time" has now ended and the facts speak for themselves.

History

The Dominion Removable Core has been around for a multitude of years. Dominion Lock Company, Ltd. of Montréal, Canada, once manufactured it but, as many are aware, Ilco-Unican bought Dominion Lock. Since then, things have changed.

In 1933 a manufacturing plant was begun in Montréal. It was named Dominion Lock Co, Ltd. Their claim to fame was manufacturing key blanks and night latches used by the Canadian and British markets. Key machines were also produced and had a presence in the U.S. market.

In the year 1963, a new corporation was founded in Montréal. It was called "Unican Security Systems, Ltd." and the renowned Aaron M. Fish was named President & Chairman of the Board. Twenty-two years later, a purchase would be made.

In April 1985, ILCO acquired the assets of Dominion Lock Company Ltd. (Dominion Lock), Canada's major manufacturer of key blanks, including brass replacement key blanks. Key blanks were produced at the old Dominion Lock factory on Décarie Blvd., which was also used to assemble push-button locks and electronic card access systems. ILCO was the sole Canadian manufacturer of brass replacement key blanks between 1989 and 1991. In May of 1991, ILCO ceased production of key blanks and then, in February 1992, resumed production.

Dominion Lock, which had been manufacturing key blanks in Montréal for over 70 years, now operates as a division of ILCO. The rest is documented history.

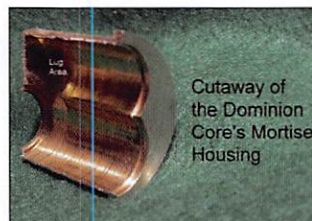
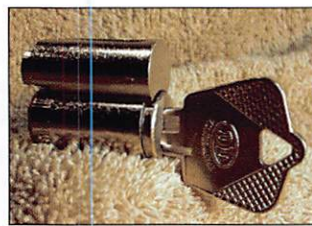
Terminologies

Terms for locks are an ever-changing issue and are being studied constantly. Many feel it's a "monkey on the back". But, in reality, it is something that we need to address and discuss. This article

could go on and on about manufacturer-specific terms, user-specific terms and the hybrids that occur in between. Let it be said that the LIST Council has determined the appropriate terminologies that should be used within the Lock Industry, and, within its peripheral realms. The LIST Council is an acronym that stands for "Lock Industry Standards & Training" Council. It is comprised of a number of representatives from within the locksmith industry who review lock-related terminology.

The term "Removable Cores" has a specific meaning via the LIST Council. However, Dominion chose to utilize this term as does Sargent, ILCO and other manufacturers today. With respect to historical accuracy, we shall honor the use of this term. As the lock and security industry evolves, terminology also evolves. Considering all of the massive company buy-outs and the extensive retrofitting that goes on today, we should be open to changing our terminologies and applying them to what is current and applicable. Many terms have changed in their usage, and others are brand new. The appropriate thing to do is to match the past with the present and make meaningful adjustments. Will this happen? Time will tell.

The Dominion Removable Core



The Dominion Large Format Removable Core (RC) is not unlike the old Sargent 5100 Series R-Core in basic concept. In both situations there exists a rear mechanism that acts as a "control area". In the Dominion core (a six-chamber core), there is a control ring in the last chamber that has a control lug attached to it. This lug, when in its relaxed state (extended), keeps the core within its housing. When the control key activates the control ring, the lug turns to the left (counterclockwise) and recesses

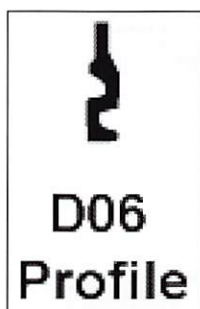
into the core assembly, allowing the R-core to be removed from its housing. Within the Dominion core, the sixth chamber can also be used for operating key bittings. This is not the case with the Sargent 5100 Series core. As you may presume, bittings are then limited and care must be taken when combining the control chamber.

The direction of the moveable control ring/lug is similar to a Sargent R-Core lug or a Medeco R-Core lug. The control key must be turned counterclockwise (to the left) in order to retract the core. This is opposite to BEST, Yale, CorbinRusswin, Schlage, KABA and some of the other popular brands. Let's take a look at the lock specifics with regard to mechanical specifications.

Pin & Key Specifications

The Dominion Large Pin (Restricted) is referenced by HPC as DSD 505. It utilizes cutter wheel CW-14MC on Jaw A. Note: there are two other Dominion HPC DSDs, but they are not R-Core related.

The pin increment is .015" and the pin diameter is .115". The pin stacks are not uniform in stack height and the progression utilized is Two-Step.



The most common keyway for the Dominion RC is the DO6 and secondly, the DO5. There are a variety of other keyways that were utilized which were restricted. They include: ILCO A1179 with the suffixes: E, F, G, H, J, K, L, N, P, R, S, T, U, and V. The key spacing (from shoulder stop) is .156" and is as follows;

Cut #1 = .280, Cut #2 = .436, ,
Cut #3 = .592, Cut #4 = .748,
Cut #5 = .909, Cut #6 = 1.060

The Dominion R-core utilizes bottom pins and master (wafer pins) within the noncontrol chambers. In addition, there are a series of control pins (build up pins) that are used only in the last chamber to coordinate with the control ring, allowing the control shear line to be reached.

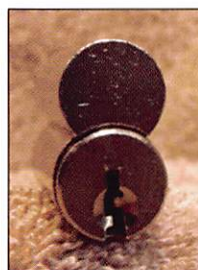
Here are the bottom pin depths along with the master pin and the control pin depths:

Dominion Large Format Removable Core	
Bottom Pins	Key Cuts
0 pin = .155	0 cut = .335
1 pin = .170	1 cut = .320
2 pin = .185	2 cut = .305
3 pin = .200	3 cut = .290
4 pin = .215	4 cut = .275
5 pin = .230	5 cut = .260
6 pin = .245	6 cut = .245
7 pin = .260	7 cut = .230
8 pin = .275	8 cut = .215
9 pin = .290	9 cut = .200

Dominion Large Format Removable Core	
Master Wafer Pins	
2 pin = .030	
3 pin = .045	
4 pin = .060	
5 pin = .075	
6 pin = .090	
7 pin = .105	
8 pin = .120	
9 pin = .135	

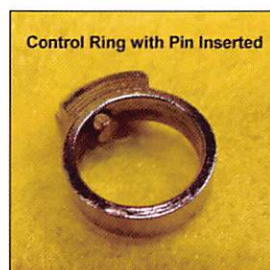
Dominion Large Format Removable Core	
Control (Build Up) Pins	
10 pin = .150	
11 pin = .165	
12 pin = .180	
13 pin = .195	
14 pin = .210	
15 pin = .225	
16 pin = .240	
17 pin = .255	
18 pin = .270	
19 pin = .285	

Top Pins



Top pins in the non-control chambers #1 through #5 are constant at .187". The top pin may vary in the control chamber, based on the makeup of the pins within that chamber. In the example core, it is .090". Within the control chamber, the top pin MUST be long enough to block the control shear line when the pin stack is at rest (eg., an 11 pin for a zero control cut) so the spring will not descend below the control shear line.

Core Specifications



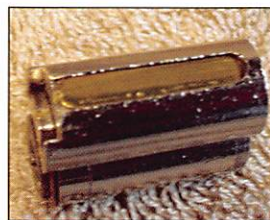
The Dominion R-Core uses 6 chambers and has a MACS of 6. The springs for chambers #1 through #5 are approximately .450" in a relaxed state and the spring for the control chamber #6 is about .328" in its relaxed state. Notice that the spring in the control chamber is somewhat shorter in order to accommodate for the extended upper shear line.

The control ring increment (the distance between the operating shear line and the control shear line) is a distance of .165" or a coded 11. This measurement dictates that within the control chamber, the plug total must equal at least 11 in order to reach the control shear line.

Core Components

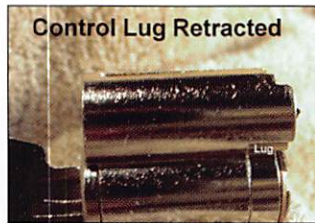


In the photo, one can see the four basic components of the Dominion LFIC: The plug, control ring, shell and c-clip. This core can be combined in one of two ways: by removing the plug with a conventional follower and then combining, or by removing the spring cover and toploading pins and springs.

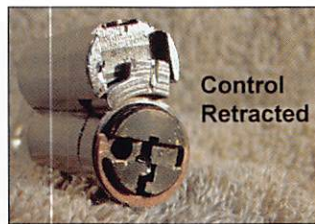


The control ring is placed over the rear of the plug and contains an upper control lug (attached) that rotates to allow core removal or insertion into or from its IC housing. In the picture, you can see how the control ring fits over the plug toward the rear of the core. Notice that the control ring has added space for the pins to move vertically. The top of the ring creates the control shear line, which permits the ring and the plug to turn in unison so that the core can be inserted or withdrawn from its housing with the correct control key.

By viewing the two photos that show the position of the control lug, notice that when the lug is retracted so that the core can be withdrawn from its housing, the key must turn counterclockwise. Again, this is opposite BEST SFIC and Yale and Schlage Large Format, but similar to Sargent LFIC.



The two additional views illustrate the comparison of the control ring and lug in the "at rest" and "retracted" positions, as seen from the back side of the core.



Sample Flaws

Notice on this specific core that there are several exterior flaws. You may notice some line indentations on the bottom of the control ring, as well as on the top of the control lug. There also exists an indentation on the rear upper area of the core shell. This was due to egregious removal of the core from its housing and is not representative of a pure factory produced core.

Control Chamber

This is probably the most important chamber in the core. Why? It actuates the core's removal or insertion. It has to be protected so that an individual with an operating key will not be able to accidentally or intentionally with a little manipulating remove the core from its housing.

Even though this might be moot today, care should have been taken to assure that the bittings for operating keys and control key in the last chamber are at least 3 (three) increments apart:

Parity - Not Together

An operating key of a 7 bitting in the last chamber would not be a good choice with a control bitting of 6. Notice that parity is not followed in this instance. In some situations it can, but in others it cannot. Small wear on the key might allow the individual the rare experience of pulling the core from its housing. WOW! Usually, the "core recipient" in this situation thinks he/she has "broken the lock"! But, in actuality, inadvertent core removal has occurred. A core should not be able to be released from its housing via a legitimately issued operating key. But, in reality, it can happen in such instances.

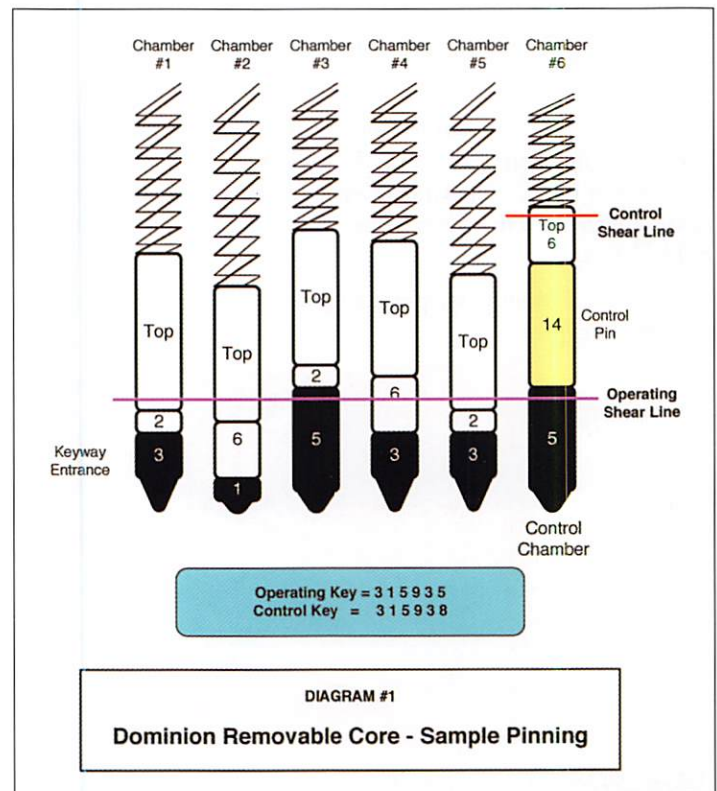


A Real Example

If some of us do encounter Dominion cores in an existing system, decoding the core for the control key is probably the most salient issue. Let's take a look at an actual core that was factory combined. The photo

shows a sample core disassembled, with the pins in order on the pin mat. The first chamber is closest to the key and the control chamber #6 is nearest the bottom of the photo.

Let's take a look at this sample core as shown in Diagram #1. The Operating Key happens to be the TMK, with a bitting of 315935. The Change Key is 577355. Notice that in this example, the control chamber is not progressed (assuming all cores in this system have the identical bitting in Chamber #6). Thus, the control key will be the TMK in all chambers, except #6 - the control chamber.



Control Chamber Formula

There are two ways to use this type of formula, based on the circumstance: 1) When you have the key bitting and wish to pin the chamber and determine the control pin value, or 2) When you have the control pin depth and wish to determine the control key bitting. Since we are decoding the core and know that the control pin is 14, here is the formula to use:

Control Key Formula

$$(BP + MP + CP) - 11 = \text{CTL Key Bitting}$$

Since the bottom pin has a value of 5 (no master pin present) and the control pin (build up pin) has a value of 14, the total is 19. Thus, $19 - 11 = 8$. Eight (8) becomes the key bitting for the control chamber. The control key would be created using the TMK bittings for chambers 1-5 and an 8 for chamber #6.....315938.

If we knew that we had a control key cut of 8, but wanted to pin the chamber and needed to know the value of the build up pin, this would be the formula to use:

Build Up Pin Formula

$$(\text{CTL Key Bitting} + 11) - \text{Plug Total} = \text{CTL Key Bitting}$$

In this case, we have the control key bitting of 8. We then add 11 to it. This gives us a value of 19. From 19 we subtract the plug total (bottom pin + master pin). This would be $19 - 5 = 14$. Thus, the build up pin (control pin) would be 14.

Keep in mind that the terms "control pin" and "build up pin" are interchangeable. build up pin is used more commonly in large format work, and control pin is used when working with small format cores.

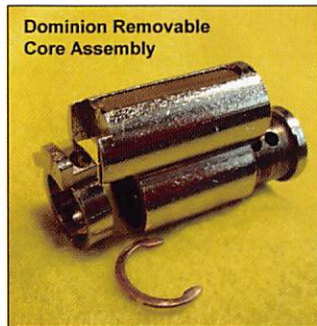
Control Pinning

In the event that one needs to repin Dominion large format cores within a system, caution should be taken with regard to the control

chamber. In the example shown in Diagram #1, the control bitting of 8 was 3 steps from the operating key bitting of 5. If this distance in the control chamber were maintained throughout the system, the only other bittings that would be useable would be a 1 or a 3 since the 7 and 9 are too close.

Diagram #2 addresses this issue by showing three example control

chambers—one bad, one OK and one good, if following this systematic approach.



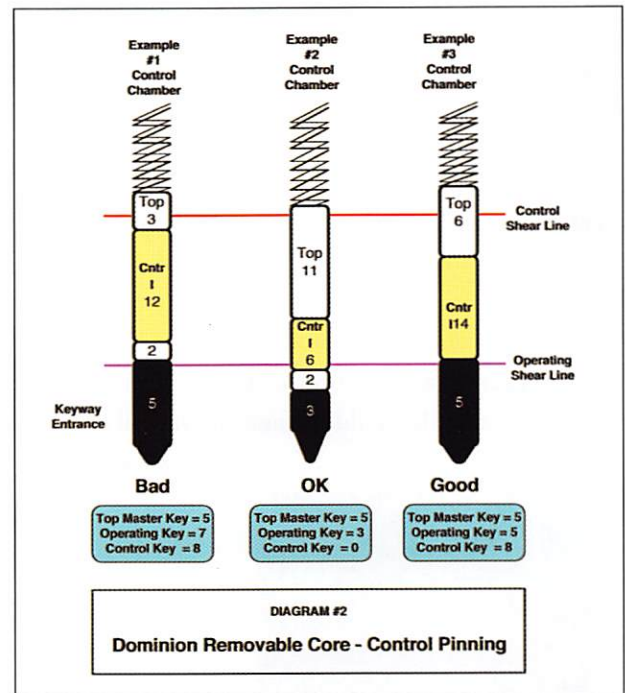
The Pitfalls of the Dominion Removable Core

Realizing that this particular six-pin core has five chambers that can be used within a two-step progression, and a sixth chamber with partial use (perhaps 3 bittings), one can readily see the limited bittings that would be available within a system. Not taking into account MACS and poor bitting combinations, the 3,072 bittings may work well for a very small system.

$$5 \times 5 \times 5 \times 5 \times 5 \times 3 = 3,072 \text{ potential bittings}$$

But what about larger systems? Perhaps a multiplexing would be an answer; however, Dominion was not set up with the plethora of sectional keyways such as Sargent, Corbin, Russwin or Yale systems of the past.

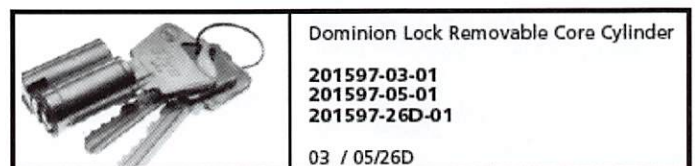
Another negative factor is the way that the control key could easily be created by an unauthorized individual. If the TMK bitting was



known, all that would be necessary would be one blank! Copy cuts #1 through #5 on the key blank, leaving cut #6 as a zerobitting. Begin by testing that key. If a "no-go", make a #1 cut and try again. Repeat until the control depth is reached and the key becomes a control key.

By contrast, a BEST small format system disallows such simple decoding by the mere fact that each chamber has an independent bitting that is set as the control key bitting. Yale and Schlage make use of a longer key blank for control key use. Sargent and Corbin/Russwin use more than one chamber for control activation. Medeco makes use of shallower cuts with key blank restriction for their control feature.

It becomes obvious to many that the two major downsides of the Dominion Large Format core - too few bittings, and lack of core security - were issues that helped to direct this product onto that Path of Obsolescence. Today, the Dominion Large Format Removable Core is only obtainable as a retrofit for the Kaba-ILCO 1000 Series Simplex units requiring a Dominion Key Bypass Core. However, if one should have the experience of working with a Dominion RC system, with the great variety of large format cores readily available today, selecting a replacement should not be a difficult task.



Dominion Lock Removable Core Cylinder

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03 / 05/26D

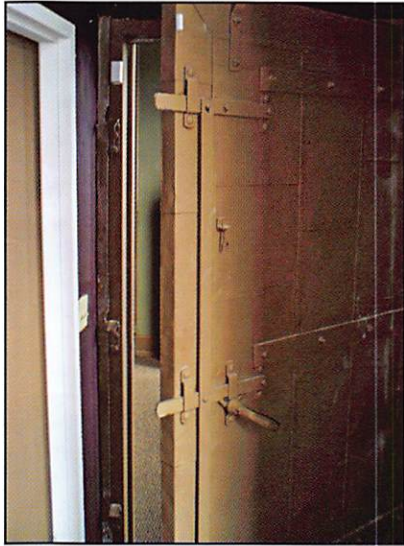
Thanks are extended to: Mitch Stover, Kaba-ILCO Key Records Manager, Mark Shellberg, Kaba-ILCO Cylinders Manager, Randy Main, Owner of Main's Lock Supply, Arnold Sintnicolaas of Toronto, Shane Maloney of Orilla, Ontario, Vince DeRose, CEO of Scorpion Lock, Montréal and John Hubel, CML of Utica, Michigan for their contributions to this article.

William M. Lynk, CRL, has been a locksmith since 1975, is an IC Specialist, and is an industry author having penned *Interchangeable Cores: Small Format* ©2000, *Removable Cores: Large Format* ©2003 and *SFIC: Advanced* ©2005. He is a certified ALOA A.C.E. Instructor, teaching full-day classes on SFIC and LFIC at the ALOA Convention and across the country, as well as a member of ASIS, ILA, LSA and a Sponsor for ClearStar Security Network. Bill, the owner of ICLS (*Interchangeable Core Lock Systems*), has also originated SFIC Technical Manuals for both domestic and international lock companies while maintaining a close working relationship with the major lock and security manufacturers throughout the world.

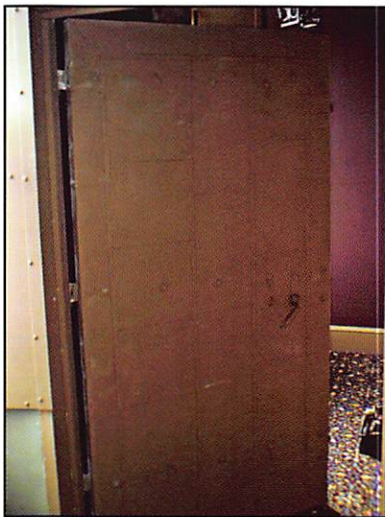
Tackling An Antique Fire Door

By Eric Costley, CPL

We had just finished a large commercial job in historic downtown Corning, New York. Primarily, the job consisted of installing panic exit hardware on several pairs of doors during the renovation of the building. Once this was completed, we received a call from the owner. His apartment was on the top floor of the building, and he wanted us to put a



An initial look at the beast I was about to tackle.



Here's a look at the interior side of the door.

lock on the entry door.

The door that goes to the apartment from the stairs turned out to be the original door: a huge, thick fire door manufactured by Weirton Steel. I don't think that I had ever seen anything like it! (Since then, I have seen several more in the area.) The door itself was 2 3/8 inches thick. The latching mechanism on the exterior of the door consisted of thick steel boltworks which made it resemble a vault door. I took some measurements, and decided that there was virtually no way to install a regular deadbolt. At 2 3/8, 2 3/4, or even a 5 inch backset, there was going to be interference

with the latching boltworks. (In addition, I don't think that anyone manufactures a 5 inch backset for a deadbolt anymore. We special ordered a Schlage bolt for a B160

recently, and our distributor informed us that they had one, but it was no longer being manufactured.) I left the site with a perplexed look, and told our customer that I would have to do some research. He called several times a week to make sure I hadn't forgotten him.

One of the nice things about the locksmith business is that as time goes on, you find that different aspects of the profession all blend together and overlap. In other words, what you observe or learn at one job may well help you out later in a seemingly unrelated matter. It is important to take the time to step back from a problem job and think. Sometimes, a little break gives your brain time to process things by itself, and the solution suddenly becomes apparent.

I was on a simple lockout about two weeks later in a neighboring town, and noticed another one of these monstrous doors. To my surprise, it had a mortise lock installed! The cylinder was partially eclipsed by the steel bands that operated the latch, so I assumed that it had been installed when the door was manufactured. I immediately knew my plan of attack.

I had been distracted by both the size and thickness of the door. With a mortise lock, all that is required to conquer the thickness of the door is cylinders of the appropriate length. I returned to the door once more to check my theory, and decided that a regular storefront mortise lock in a 1 1/2 inch backset would work nicely. I ordered the parts, and set aside half a day to tackle the job.

I knew that the outer skin of the door was a thin layer of steel, but I had no idea what to expect once I got below that. I had a sinking feeling that was waking me up at night, anticipating either concrete or asbestos. Neither of these options thrilled me. As it turns out, the interior structure of the door was tongue-in-groove boards. (The contractor who had initially straightened out the door so that it would close properly had to shave the bottom of it. If I had known this earlier, I might've slept better!) Once I had chiseled out the skin of the door, I knew this part of the job would be a breeze. I used a 3/4 inch holesaw to hack out the cavity for the lock, and a chisel to smooth it out.

The installation of the lock went smoothly. You might notice from the photos that the faceplate of the lock is recessed a bit into the edge of the door. This was intentional, as the stop on the frame of this beast was a 3/4 inch chunk of solid steel. I wanted to make sure that I had plenty of clearance for my thumb-turn cylinder, because I had no intention of trying to carve a hunk out of that! Once the lock was installed in the door, it was time to start on the strike hole.

My choice of a store front deadbolt, (such as you normally see in a glass and aluminum door,) was carefully thought out. Most mortise locks have brass or bronze parts, and sometimes cast cases. I wanted something that would stand up to some serious abuse if necessary, and the size and weight of the door made me think that a good steel bolt would be the best choice. The only glitch in this decision is that the strike hole must be larger to accommodate the swing of the bolt. The entire frame of this door consists of 1/4 inch plate steel, so I knew that the fun was just beginning. I marked the frame, and started drilling small holes around the perimeter of my marking. After I had a nice rectangular row of holes, I started leaning the drill up and down to widen them out and "connect the dots". A chisel managed to take the remaining chunk out, and after that it was simply a manner of adjusting the alignment and cleaning up the hole so it looked "pretty".

I did a lot of sweating and cursing as I cut through the frame. I took a LOT of breaks, and was getting pretty discouraged.... and then Mark showed up with the reciprocating saw. (Whew!) As you can see, our finished strike hole is not as aesthetically pleasing as we might wish, but after spending several hours and a great deal of perspiration, we were satisfied that the lock worked properly. After all, the job entailed a lot more than most, and we were simply happy that the strike hole had no rough edges or burrs that might cause a little cut or scrape.

It's not every day that you run into a job like this, and my primary reason for this article is to remind us all not to be overwhelmed by something unusual. It's important to let the customer know that what they want is "off the beaten path", and that time and research is required. I've been known to tell customers that I would have to sleep on it, and get back to them. (Once again, sometimes the brain works best when undisturbed by your initial panic!) When

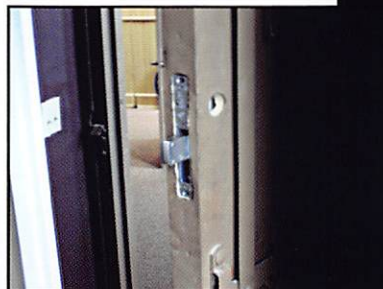


A view of the steel skin hacked away to reveal the pleasant surprise: a wooden interior!

Using the hole saw, I started cutting out the cavity for the mortise lock.



The mortise body installed in the door.



The finished installation on the door...now on to the frame!



The majority of the time spent on this job was cutting through this 1/4 inch steel frame.

faced with a strange task, take your time and use your experience and wide array of knowledge and resources to slowly filter down a viable resolution. In the end, you can walk away with the feeling of a job well done, and a feather in your cap.

Once you have a few of these unique jobs under your belt, word will spread, and you'll develop a reputation as a problem solver... and that inevitably translates to future work.

Making the Switch

By Greg Perry, CML, CPS



1

Switching can be difficult, there is a degree of uncertainty with new products and we like what is familiar. We typically do not like to change brands of locks or style of work. The old adage "If it ain't broken, don't fix it" applies.

About four years ago I saw Alan Oblath, currently the Western Regional Sales Manager for Marks locks at a convention. He tried to convince me to change to the Marks IQ line of locks. During the demonstration, I noticed a benefit to switching. The Marks design would solve a problem I was having with a keyless mechanical combination lock. (I should note the IQ lock is a stand-alone electronic lock.) The problem with the lock involved the inside lever. The design of the lock did not allow upward turning of the lever. If I tried to turn the lock upward, it broke.

A particularly troublesome installation involved a hospital emergency room. The door was located at the end of a hallway. The door opens in and was approached from latch edge. The natural tendency for entry would be to lift up as a person reached the door because pushing down requires the person opening the door to move further toward the hinges. Although the hospital personnel operated the lock properly, the patients would pull or lift the lever to open the door and the lock failed every couple of months.

Marks designed their lock to allow the inside lever to turn either direction without problem. I tried a Marks IQ1K cylindrical, it worked so well that I made the switch. The lock worked smoothly, more importantly the customer was happy. Since that time I



2

have stopped stocking keyless mechanical locks and have replaced them with the Marks IQ line. This article is going to take you through the switch to a Marks IQ7K lock mated to a Von Duprin 88 rim device.

Photos 1 and 2 show the door with the old lock and the Von Duprin 88 exit device installed. The old lock has a history of tailpiece breakage. The door is near the nursery, so it must stay secured. Next to the door is a Detex door alarm with an IEI keypad to shunt the door alarm as it is opened. When the tailpiece broke, a second employee was always called to open the door from the inside. This time, I wanted to change the lock before it broke again.

After removing the existing hardware we found lots of existing holes in the wood door. These holes can be seen in photo 3. This door originally had a thumb-piece trim with a rim cylinder. The lower thumb piece hole was covered by a DonJo hole filler. I removed it. Placing the Marks IQ7K up to the door I found many more uncovered holes. It was time to resort to an "old standby" repair which involved using chrome-plated brass push

plates. (I stock both brass and chrome-plated push plates for cover-ups. I try to stay away from aluminum plates because they offer very little strength. I don't stock stainless plates because it can be difficult to drill large holes through them.)

Looking at the existing holes in the door and the IQ7K, I positioned the plates to offer the best coverage. The inside and outside plates offset each other on the door. Using the templates provided (as seen in photo 4) with the IQ7K, I predrilled all the holes into the push plates. Next, I aligned the inside plate with the existing holes for the exit device and mounted the device to the door (photo 5). I then reinstalled the two lower sex bolts for mounting the Von Duprin 88 device. This was done because the Marks inner plate does not have tapped holes or provide any sort of insert nut in the plates.

I was then ready to drill the upper three holes required for the IQ7K mounting using the inside metal push plate as a template. Once the holes were drilled, I aligned the outer plate to the holes. I then used a drill bit as a guide in one hole to align the predrilled outer plate. Next, I double-checked the alignment using a tape measure. The measurement was off! "It can't be my fault!", I thought and realized that David, my co-worker, must have allowed me to drift as I drilled the hole. Correcting David's mistake involved re-drilling the hole and wiggling the bit. Once we corrected his mistake (it's never my fault) we clamped the plates to the door, checked alignment and used the holes in the push plates to drill the two 2 1/8" holes for the outside trim. As is standard, the upper hole was only drilled 1/2" deep on this wood door as this is the area for the mortise cylinder of the key override. On the opposite side of the door were two upper mounting screw holes for the exit device. Photos 6 and 7 show the plates clamped to the door. (A quick note: the outside plate was originally drilled for a Kaba Ilco 1000 series lock. There are three extra holes in the plate that were not needed for this installation between the upper 2 1/8" hole and the raceway hole for the IQ7 lock.)

Next, we installed the outside lever on the IQ7K. This lock is not handed until the lever is installed so it can be changed to the other hand at a later time. This feature allows the lever to operate by turning either up or down. Marks designed this lever to be free or clutch going up or down until the correct code is entered or until the key override is used.

The lever was placed on the spindle and a socket head cap screw was installed from the inside through the spindle hole. The mortise cylinder was installed between the spindle and the wire raceway. Turning the mortise cylinder engages the lever to allow it to turn and open the door. The spindle (seen in photo 9) was then

installed with a spring between the underside of the lever mount and the spindle. The spindle design is strong. It is based on a square mortise lock spindle with both ends machined—one for the spring and the other made to the size of a rim cylinder tailpiece.

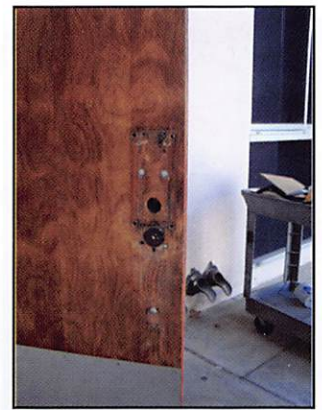
Since it is square, the spindle can be installed with the flat either hori-

zontal or vertical, as needed.

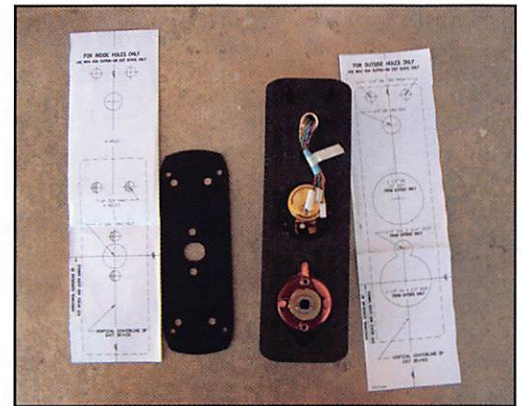
Once it was fully assembled, we placed it on the door and attached with it with the four screws

through the push plates and the inside Marks mounting plate. I like this design as I was not forced to try and position the outside and inside device all at the same time.

Earlier, I mentioned recessing and reinstalling the sex bolts in the two lower screw holes. After installing the IQ7K, we found a small problem. One of the two sex bolts would not line up. Rather than take everything apart, we opted to drill the hole and install a nutsert or trik-nut. We had planned to use them in the upper two mounting holes so using one more was not a big deal. You can see all three nutserts in photo 10. I've spoken with John at Marks about the mounting plate. Their original



3



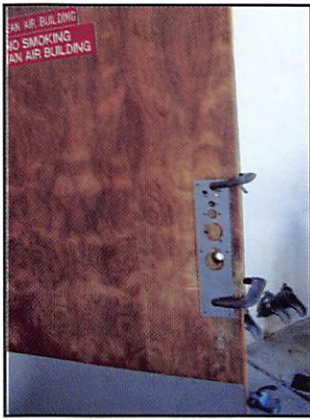
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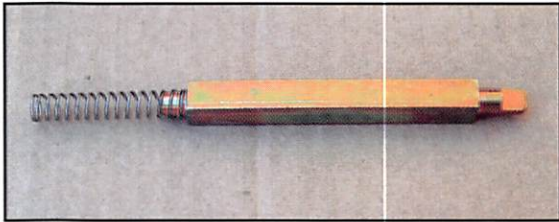
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7



8



9



10



11



12

intent was for new installations. This would allow for the device to be mounted with fresh holes in either wood or metal doors. Retrofit applications, especially with sex bolts already installed, will require using a nutsert in the upper two holes of the adapter plate. The upper two holes are in line with the cutout in the outside of the door for the mortise cylinder. There was no chance of reinstalling sex bolts for these two. Nutserts are the best method at this time unless Marks changes the plate to threaded holes for mounting the device. The lower two holes are below the bottom of the IQ7K on the outside, so unless you install push plates or some other cover up you will need to reuse the sex bolts. The completed install can be seen in photos 11 and 12. This was a fun install; it required a little more skill than a standard install.

Finally, the IQ7K is a standard rim cylinder replacement for use with a variety of exit devices. Currently, they list seven in their literature. The 88 is a new plate so it is not listed.

If you are installing it with a Von Duprin 88 you need to order a special version. The 88 device requires a little more turning to fully retract the latch. The modification to the

IQ7K adds \$100.00 to the approximate \$700 list price. Also, you will need to order the appropriate inside adapter plate for use with your exit device. Hopefully Marks will redesign the 88 adapter plate for friendlier retrofits either by adding nutserts or tapping the plate.

Programming these locks is pretty simply via the keypad or the locks may be programmed with the I-dat upload/download device. This is an interface used so that the full benefit of the lock's programming and audit trail can be utilized with software on a computer. The basic unit will allow up to 320 users and a 1600-event history log. This feature can be upgraded on the door should your needs change in the future.

This article covered the installation of the IQ7K. Marks produces cylindrical, tubular, mortise and keypad-only versions. In addition, they offer the same styles in a proximity reader version and two different styles of keypads. More information can be found at marksusa.com or by calling 800 526-0233.

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A-2 Brutus? Small Format Interchangeable Core (SFIC)

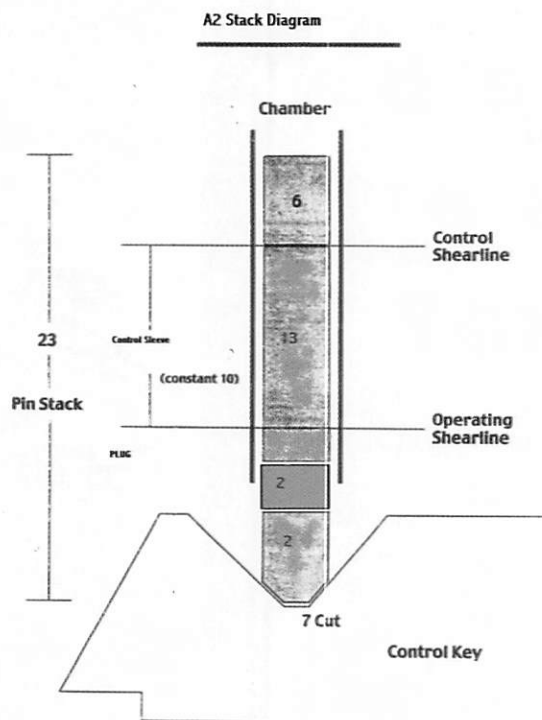
Made... Bearable (Part 2)

By Jim Hancock

Last month we discussed terminology, the cylinder, depths and spacing, key cutting, tools, this month we will deal with the math and techniques for control pinning and core removal.

THE MATH

illustration 1



Okay, before you ask for a hall pass so you can skip math class, let us see if we can simplify the mathematics of SFIC.

As with any pin tumbler lock, it all starts with creating a shear line at the top of the plug to allow the lock to turn. SFIC is no different. If the operating key is cut to a bitting of 2 6 8 7 1 5 9 and there are no master keys involved, you simply drop the corresponding pins into the chambers and the plug will indeed turn with the operating key. If there is a master key being used, the pinning would again be the same as a standard pin tumbler lock.

Master Key: 4 8 2 1 5 9 3

Operating Key: 2 6 8 7 1 5 9

Bottom Pins 2 6 2 1 1 5 3

Master Pins 2 2 6 6 4 4 6

So far so good, right? But we still have to deal with the control key.

Without this key we can not move the lug to remove or insert the cylinder into the housing. In order to accommodate the control key, we must create a shear line at the control sleeve which will lock the plug and sleeve together allowing the lug to move. In order to do this, we must "build up" the pin stack from the operating shear line to the control sleeve shear line. This is done by adding the width of the sleeve where the control lug and pin chambers for the control lug are. If you recall earlier we said the sleeve was .125" thick at this point. If you look at the increments of the pins in an A2 system, this is the same thickness as a #10 top pin. Rather than use decimals we will use whole numbers to figure our control pins.

First, let us start with a control key. We will use 7 3 1 3 8 2 8 as our bitting. This would be the bottom pin that would create a shear line at the plug. What we will do is add the sleeve dimension (.125") divided by the increment of .0125 which gives us a control dimension of 10 to this bitting (on paper only, you would cut the key as normal). So for pinning math purposes, the control number would look like:

17 13 11 13 18 12 18

This would now be the bottom pin you would use to reach the root of the cut to the top of the sleeve to create the shear line. But not so fast. We already have bottom pins and master pins in the lock, right? So what we need to do is subtract the total pin stack already in the lock from the control number and this will give us the size of "control pin" to use to create the control lug shear line as follows:

Master Key: 4 8 2 1 5 9 3

Operating Key: 2 6 8 7 1 5 9

Bottom Pins:

2 6 2 1 1 5 3

Master Pins:

2 2 6 6 4 4 6

Pin Stack:

4 8 8 7 5 9 9

Control Number:

17 13 11 13 18 12 18

(minus)

Pin Stack:

4 8 8 7 5 9 9

equals

Control Pins:

13 5 3 6 13 3 9

What we now would have in each chamber would look like this:

Bottom Pins:

2 6 2 1 1 5 3

Master Pins:

2 2 6 6 4 4 6

Control Pins:

13 5 3 6 13 3 9

At this point, both the operating key and the master key would create a shear line at the plug allowing the lock to operate while the control key would create a shear line at the sleeve, allowing the lug to be retracted for removal or insertion. The last thing we need to do is provide top pins and springs. Is there a formula for this as well? Certainly! In order for the lock to operate properly the springs must hold proper tension on the pin stacks and the top pins must block the shear line when no key is inserted. Also, we must not over-stack the chambers by using a driver too long because the key will not go in the lock if this happens. So, all this being said, the A2 system takes all of these factors into account and using the dimensions of the SFIC itself, a dimension is established that will accommodate all of these elements this dimension is called the Pin Stack Height or Pin Stack. If we use whole numbers rather than decimals, the total pin stack height must equal 23; no more, no less. So, in order to put in the proper top pins, we will add the total of the pins are

currently exists in each chamber and subtract from 23. This will tell us what size top pin to put in each chamber.

Bottom Pins:

2 6 2 1 1 5 3

Master Pins:

2 2 6 6 4 4 6

Control Pins:

13 5 3 6 13 3 9

Total Stack:

17 13 11 13 18 12 18

Now subtract this number from our pin stack height:

Pin Stack Height:

23 23 23 23 23 23 23

Total Stack:

17 13 11 13 18 12 18

Top Pin Size:

6 10 12 10 5 11 5

Each chamber would now look like this:

Bottom Pins:

2 6 2 1 1 5 3

Master Pins:

2 2 6 6 4 4 6

Control Pins:

13 5 3 6 13 3 9

Top Pins:

6 10 12 10 5 11 5

If you load your SFIC from tip to bow using the pins your math has given you load the springs and cap the chambers, the Operating Key, Master Key and Control Key will all operate in the manner they are designed to.

CORE REMOVAL WITHOUT A CONTROL KEY

Many times in your career you will be called upon by customers to rekey a SFIC when there is no control key available. When this occurs, you must remove the core in some manner that is the least destructive to the lock housing. If you are dealing with a single core, drilling the lug would possibly be the easiest and most efficient method. This is

accomplished by using a 1/8th inch drill bit on the left side of the core where the upper and lower cutout of the housing meet. (if viewed as a figure "8", it is where the 2 circles cross to form the 8). This will remove the lug and allow you to pull the cylinder. However you must be cautious not to let the drill bit drift and damage the housing.

So, why not impression or pick the lock? Think about the construction of the SFIC for a moment. You are dealing with 2 physical shear line locations. If you are attempting to impression, when you put turning pressure on the key, the binding of the pins is occurring at 2 locations. When you get marks for impressing, there is no way to know which shear line is creating the marks. You may very well file a key that shears at various points along the 2 shear lines which will not allow it to either open nor release the lug.

Picking? Same principle applies. There is however a small advantage that can be used when picking. If you look at the bottom of a SFIC, you will see small holes. These are there to facilitate the use of a pin ejector tool that removes the pins and springs for rekeying. This means that these holes go through the shell, sleeve bottom and plug bottom. Because of this, if we use a specially designed tension

I-Core Turning Tool

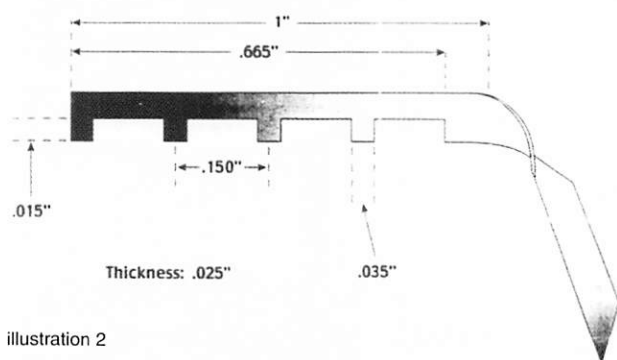


illustration 2

wrench (see illustration 2) which is notched using the center to center spacing of the plug, these protrusions between notches will lock into the holes, binding the plug and sleeve together (without protruding through the sleeve into the shell). Now when we attempt to pick the lock, our tension will be on the sleeve shear line. This still will not be easy because the tolerances of the lock are pretty tight, but

your odds have certainly increased.

If you have multiple cylinders to rekey, without a control key, this could be a real chore if you are left to picking each or costly if you are drilling each. Here again there is a short cut which will destroy one core but allow you to decode the control key to easily remove the remaining

cores. If you look closely at a SFIC, (see illustration 3) you will see that the face on the front of the upper shell is a cap. This upper face is the portion that would have BEST or FALCON stamped on it if it were one

of these brands. This cap is held on by a blind rivet or mushroom plug. The cap is placed on the front of the cylinder and using pressure is pressed on. The pressure makes the rivet or plug spread into a recess and holds the cap in place. Using a 1/8" drill bit approximately at the center of the cap (between the E and S on Best or L and C on Falcon) drilling inward again approximately 1/16" will almost destroy the mushroom. A small screwdriver can be used at the edge of the cap and by prying outward the cap will pop off. When this happens, the sleeve lying underneath is exposed (see illustration 4). Using a standard shim inserted between the sleeve top and the shell and a pick, you can shim the pins from front to back creating a shear line. You then would be able to use a small punch or screwdriver to push clockwise on the sleeve which will retract the lug allowing removal.

With the SFIC removed, carefully remove each pin stack from each chamber being careful to keep the stacks in order from top pin to bottom pin. With stacks laid out, measure the top pins with a micrometer and convert the reading to the whole number that corresponds in your pin kit. In other words, using our example from above if we

illustration 3

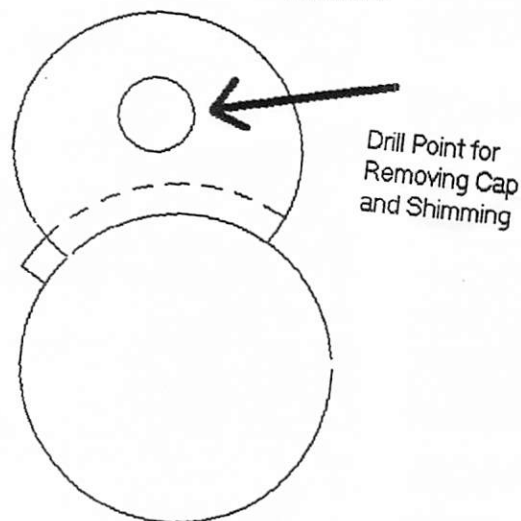
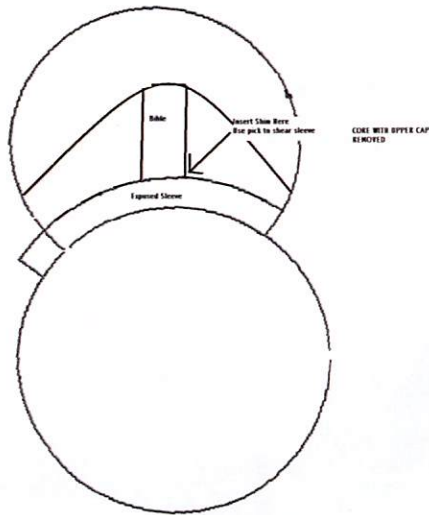


illustration 4



measured the top pin in the first chamber, it would read .075 which would equate to a #6 top pin. Once this is complete for all chambers we then would subtract these whole numbers from 13 to obtain our control key bitting:

Top Pins:

6 10 12 10 5 11 5

Subtracted from 13 =

Control Key Bitting:

7 3 1 3 8 2 8

Amazing! This is the control key we had in our example. But why 13?

Well, the total stack is 23. The control dimension was...10.

Meaning everything else other than the control totals 13. If we subtract the top pin from that number, it tells us what is needed to create that shear line at 10. You have destroyed one core and created a control key to remove the rest. How cool is that!?

FINAL THOUGHTS

This is by far oversimplified. SFIC work can be much more difficult and complicated. As with any other lock, for every one that works this easily, 5 more will drive you crazy. And this article is certainly not designed to replace good hands on instruction from some of the masters in our industry such as William Lynk and Randy Main. I would be remiss if I didn't mention the late A J Hoffman and Gerry Finch whose knowledge on this subject is known throughout the industry. But this article is designed to give you a base to work from and hopefully a little more understanding and less fear of these profitable little jewels.

Now, about the Titanic and Lucky Line. You see, while Leonardo was locked below deck...

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Who Knew the Special Talents of a Locksmith?

By Jon B. Griswold, CML



After 25 years as a locksmith, I'm amazed at how much I've learned. I dreamed of other professions in which a locksmith's talents would work well. After careful research, mostly daydreaming and watching TV, I've come up with the following Top 5.

High Stakes Poker Player

Like everyone else, I have a fascination of high stakes poker. But when my friends tell me how "cool" it is when the players pick up just the right number of chips or roll the chip in their fingers. Heck, I've been doing that for years! I just use keys. If a customer needs 3, 6, or 10 copies, it's no problem. I just grab the stack,

and pull off the right number off the hook or out of the box. I've watched some of the more animated players flipping a couple of chips into the pot. Big deal. I can flip keys on the counter, off the register, and within inches of the pen I threw for the customer to sign the invoice. Learning how to keep a straight face and not let the other players know what you are thinking is another handy poker skill. That's just too easy. Has a poker player ever had a customer come up to the counter and ask if you make keys? How about when they come in and ask for the master key because they lost their key and need to get in? Maybe I should set up some cameras in the shop and see if the Discovery Channel is interested.

Inventor

I have learned how to use so many tools in so many ways. I see all these ads for multi purpose tools that can do everything, but I'm not very impressed. I still have the first multi=use tool I've had since I got into locksmithing. It can be used as a chisel, hammer, screw remover, punch, pry bar, scribe and, if held at the right angle, it can be used as a box cutter. Some people refer to it as a screwdriver. These are the same people who have hundreds of tools in their tool box when all they really need is a handful. I'm able to hold a tool in each hand and a flashlight in my mouth. Now, I see some wimp has "invented" a light that can be held in your mouth while working. Heck, it even conforms to the shape of your mouth. No wonder our society has gone soft. there's no reason to rough it anymore or to use your imagination.

NASCAR Driver

Locksmithing has allowed me to become so proficient at driving that I don't even use hands much anymore. Eating fast food, drinking soda, using the phone and reading a map have just become easy for me. I keep looking for more excitement. Now I've found that I can eat soup and remain in my lane. And I don't mean just drink it, or wait until I am at a light. I mean that I actually eat soup with a spoon while driving at the same time I am using the phone, taking a message, reading the map, and checking the time). The guys at NASCAR only have to drive around a track in a circle. Big deal. Especially when you have a crew chief and full staff helping you out. These guys have never seen me weave in and out of traffic, barely missing the car in front of me. Now have they seen how well I can pull out of a traffic pack to make a quick turn without spilling one drop of my soda. Now, that's a talent!

Determining just how far I can drive after the "needs gas" light comes on is another special driving skill. Each pit stop becomes more exciting than the last. The last time it happened, I coasted right up to the bay, landing directly in front of the pump. I know those NASCAR guys could win more races if only they would use my calculations for gas mileage during the race. If I was 20 years young, I would try the racing thing. But just imagine what the car would look like. I imagine keys and locksmith logos all over with the ALOA logo on the doors.

Undercover Operative

I wonder how many people can walk through a mall and identify every piece of hardware on the stores. I can tell you the make,

model, finish, backset, style, and keyway with a quick glance. This would probably translate into high excitement and adventure as a covert operative. Imagine a locksmith watching the night sky for intruders or the waters for enemy boats. With a simple glance, we could tell the type of plane or boat, the color, note any insignias, and identify the country it came from. We could even specialize in coded messages, both written and verbal. The way we decipher our own, other locksmiths', and our customers' handwriting would make this a natural. Some of the writings we deal with make a doctor's orders seem elegant. And because we can decode what the customer is really asking for, we could probably be certified as an instructor for this specialty. For example, sometimes a customer will ask me for a price on an auto key. I instinctively know that this means the customer has no key at all. There have been many times that a customer will say they are "just down the street", which really means they are 30 miles away (as the crow flies). Enemy agents could never understand these coded messages. Plus, we already experience going into dark dangerous places at night and eating cold food or worse. I know what you're thinking: bad neighborhoods. No, I'm talking about returning home late at night after telling your wife you will only be gone an hour. Now, that's dangerous!

Attorney

I am using the word attorney because there isn't a professional called "complainer" or "arguer". Anyone who has attended a locksmith meetings knows what I mean by this. You know the old joke: "Put 10 locksmiths in a room and together no 2 can agree on the time of day." Could you see one of us in a courtroom? There could only be 3 possible outcomes. First, because of constant training in the art of verbal conflict, we could come up with a valid point and win. Second, we have a tendency to beat the point to death so that the opposition conceded just so we'll stop. Third, and most likely, the judge would rule against us and we would tell him he doesn't know what he is talking about. And because we will argue to the end of the world, the judge would simply hold us in contempt and send us to jail. No problem! With our skills, we could just simply open the jail door and continue the argument. Okay, maybe it's not a *good* idea but I do love the way an attorney gets to charge the client even when they lose a case. Can you imagine?

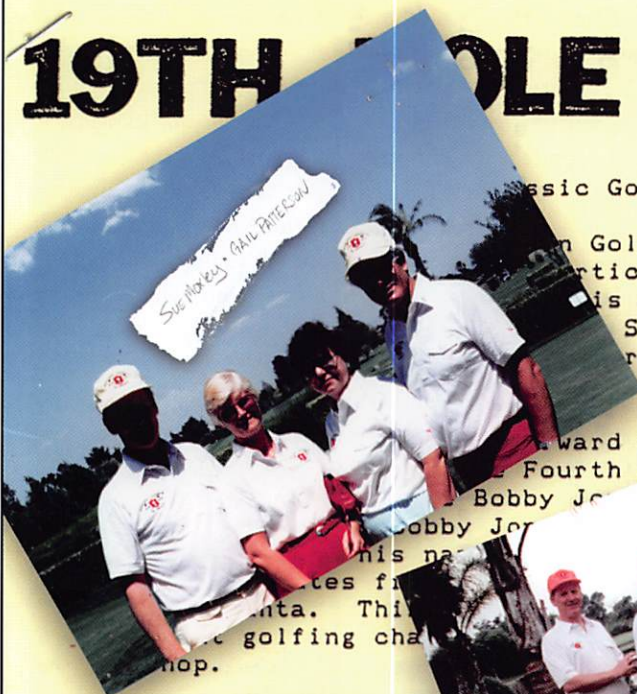
Maybe I'll just keep my day job. What other job can offer all the challenges, stress, long hours, low pay, thankless customers, cold dinners, and a constant need to upgrade tools and software? None that I can think of.

20 Years of ALOA Golf

Here's to Twenty-*FORE*! More

19TH ALOA GAZETTE

1989



Classic Golfer:

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This year at the ALOA 2005 Convention and Security Expo, Reginald Moxley, Chairman of the ALOA Open, and John Patterson, Co-Chairman, thanked their team (Mark Hokenson, Les Matthews, Bob Henke, John Hubbard, and Frank Hartung) for another great ASF Golf Tournament as they retired and passed the torch to a talented new group of leaders and organizers.

Since its inception twenty years ago, the golf tournament has raised over \$250,000.00 to educate locksmiths in the field. This year, when announcing the 2005 winners Moxley stated, "The students who are able to take classes via the ALOA Scholarship Foundation are the real winners."

In a recent interview for *Keynotes*, Reg Moxley and John Patterson shared the rich history of the tournament.

Both men had served on the ALOA Board for 12 and 8 years respectively. At the conclusion of the 1985 ALOA Convention and Security Expo, they decided they wanted to volunteer for ALOA in a fun new way.

At a little watering hole with their wives, the men discussed the future. They both liked golf, but never had time to play at ALOA events. Therefore, it was decided that an ALOA-sponsored golf outing during conventions might be just the thing.

During that time, the ALOA Scholarship Foundation was in its infancy. Unfortunately, they had no funding. Their best method of soliciting donations was to shake a coffee can in front of the convention attendees and pray for a miracle. The method was not only annoying to members who were consistently bombarded with requests for loose change during class breaks and lunches, but did not bring in the funds needed to purchase scholarships for worthy students.

The answer was clear. The ALOA Open Golf tournament would support the industry by supporting the ALOA Scholarship Foundation.

With the input of another long-time member, Les Matthews, the groundwork was laid for the type of tournament they wanted.

The next problem the men faced was financing. The last thing they wanted to do was ask the ALOA Board for money. They kicked around some different ideas, but realized that this project needed some serious thought. They talked to a few of the Board members and the new president, Joe Jackman, and they were all in favor of an annual golf tournament, but no one talked about finances.

About two weeks later, Joe called and asked Reg to cover the Fall Education Meeting in Washington D.C. as an advisory. It was at that point that Reg suggested checking out local golf courses to see what was available for the 1986 ALOA Open. After a couple of days of searching, he found a cow-pasture golf course with just the right price. Reg returned home and reported to John what he had discovered and the two men decided to loan the ALOA Open Golf Classic \$1500 to get started. Providing start-

up funds for the project gave them the money to buy hats and shirts for the first tournament.

At that time, the men established the entry fee of \$150 per player, thinking that they could easily break even. Each participant got a hat, shirt, golf balls, tees and markers. Also included in the package was breakfast, green fees, cart, cocktail party, dinner and everyone received at least one prize. For the first two years, Les Matthews procured enough prizes for all of the players. He was able to get donations of items like golf balls, shirts, visors and many other gifts that made the first two tournaments very successful. When the smoke cleared after the very first ALOA Open, the committee proudly donated \$1000 to the ALOA Scholarship Foundation.



Founders of the ALOA Open Golf Classic • Dallas, Texas
Stevens Park Golf Course
L-R: Reg Moxley, Les Matthews, John Patterson

Thinking they were pros at running golf tournaments by 1987, the committee went to Stevens Park Golf Course in Dallas. Although the course conditions were not exactly "up to par," and the weather was an unbearable 100 degrees, the tournament was a great success again. This time, the committee donated \$1222.22 to the Scholarship Fund.

With two tournaments under their belts, the ALOA Open Committee moved on to the Sahara Country Club in Las Vegas in 1988. Many of the participants were only occasional golfers so courses were chosen based on budget, beauty, and level of difficulty.

By 1989, additional financial assistance was needed. Luckily, Yale Security Group stepped in to sponsor the ALOA Open, making it possible to organize a first-class golf tournament. The sponsorship allowed the team to reserve time at better courses, give better prizes and donate even more money to the ALOA Scholarship Fund. The original goal was to donate \$50,000 to the ALOA Scholarship Fund in 10 years.



The next stop for the ALOA Open was in Atlanta, GA. Yale sponsored the tournament at the Bobby Jones Golf Club. It was an excellent facility, with super people and a great golf course. Unfortunately, It rained all day—but the golfers were tough, and everyone made the best of it.

Through the years, the events were sponsored by less than 50 players each year. Sue Moxley and Gail Patterson played a big part in most of these outings. They got sunburned, rained on, and still gave their support by operating beverage carts and taking pictures. They also got some great videos of some of the unique happenings on the golf course.

The next three years (Anaheim, Chicago and Baltimore) were pretty smooth outings and the numbers stayed about the same. However, Yale continued increasing their support each year. In 1993, the ALOA Open went back to Chicago where they booked Cog Hill Country Club, a world-famous course for the Centel Western Open. This was by far the most successful tournament with over 50 players. The committee also picked up some additional support from the industry. Yale continued to be the main sponsor but they were soon joined by Briggs and Stratton (golf balls), Fort Lock Corp. (shirts), Meilink Safe Co. (towels) and U Change Corp. (souvenir coffee cups). This extra support allowed the committee to donate about \$7500 to the ALOA Scholarship Fund in 1993.

Aside from a few mishaps, like Chicago 2002 when the bus got lost on its way to the Chalet Hills Golf Course, costing the players an hour of precious game time, the tournaments have been successful beyond belief.

Over the years, certain golf courses have become favorites among the players and organizers. The Legacy in Las Vegas was selected by Golf Digest as one of the top 10 courses in the area. It has beautiful rolling fairways combined with desert canyons and lava outcroppings. Each tee box has cleverly been designed in the shapes of playing card suite: hearts, diamonds, clubs and spades. It remains the number one pick of the committee and players and will be the first-choice location for the ALOA Open in 2006.

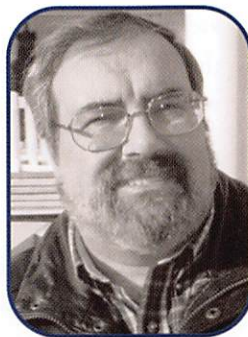
Due to the increase in the number of players a Women's Division and a Handicap Division was created in 1994. The committee also adopted a unique scoring system called "Peoria Scoring" for large groups who don't have an up-to-date handicap. This system allows everyone to shoot between 69 and 99.

The ALOA Open awards five trophies for this event, two for men, two for women and one combo for the Handicap Division. In addition, all the winners' names are put on a plaque, which hangs in the ALOA headquarters and travels to all conventions where it is displayed proudly. The plaque was donated by the late Ken Stemig, Sr. who was a dedicated ALOA Open player in the elite group of golfers attending the first 10 tournaments. He even presented all the 10-year people with a Sterling silver money clip commemorating the occasion. Ken won the ALOA Open twice. He was an excellent golfer with a single-digit handicap. Ken passed away in May of 2001. There is now a new plaque that was designed and created by Ken Stemig, Jr., in memory of his father. It's official name is the "Ken Stemig Sr. Memorial Award." Five golfers' names will be added every year for the next 25 years. This plaque represents how much Ken Stemig Sr. loved the ALOA Open Golf Classic and all for which it stands.

Every dollar generated by the ALOA Open goes directly to the Scholarship Foundation. The interest earned off the principle goes to the education of needy students coming into the security profession each year.

Reginald Moxley, John Patterson will continue to support the ALOA Open as Scott Henke, Bill Young, and Vince Forman form the new committee. John Patterson stated, "With the new committee in place, I look for great things in the future. New blood always brings fresh ideas. The new committee is about the same age that Reg and I were when we began the ALOA Open 20 years ago. They will be eager to add to the Scholarship Foundation and will have a great nucleus of past golfers to build upon." Bill Young happily accepted the new committee position, stating, "We have some pretty big shoes to fill. If we can do half the job these guys did over the years, it will be a big accomplishment."

On the Road with the Board



Dear Members,

Your Directors and I have been out and about meeting many of our members. It has been a pleasure hearing from and speaking with you. Many of us have been attending our own local membership meetings.

The Central Pennsylvania Locksmith Association held a great picnic. Alan Keister did a fine job organizing the affair held at Knoeble's Grove Amusement Resort in Elysburg, PA on August 7, 2005. This was the third year I have had the pleasure of attending and I'm ready to go back next year!

I had the honor of swearing in the newly-elected officers of the South Jersey Locksmiths' Association in August. Congratulations to the new officer. I know they will carry on the tradition of dedication that makes South Jersey such a great association.

October's calendar is filling up quickly. On October 8, 2005, I will be Keynote Speaker at the Institutional Locksmiths Association Convention, Banquet and Trade Show. There I will be teaching, holding meetings and host the ALOA booth to meet and greet attendees. Vernon Kelley, CPL, one of your Northeast Directors will also be attending these events. Northeast Director, Peter Sarailian, CRL, will be travelling to Sturbridge, MA to attend the Yankee Convention. Southeast Director, Ken Kupferman, CPL is off to ASIS in Orlando, Florida. He and Secretary, John Soderland, CML, CMST will be attending SERLAC in Orlando.

We want to hear from you. If you have a special event or would like one of your Directors to come and speak at your meeting, please contact us at our web site (www.aloa.org). If humanly possible and barring prior commitments, one of us will be there!

Your Prez

ROBERT E. IVOCK



Left to Right: Alan Keister and Bob Mock



Left to Right: Sergeant at Arms—Paul Palmisano, Vice President—Joseph Reustle, President—Melvin Weems, Secretary—Veronica McCabe, Treasurer—Fred Stunman, and Bob Mock.

ALOA Working with NASTF to Benefit Automotive Locksmiths

ALOA has recently withdrawn support of “The Motor Vehicle Owner’s Right to Repair Act” (HR 2048). It was hoped that this legislation would help locksmiths gain access to vehicle key and immobilizer codes that would ultimately benefit the consumer. After supporting the legislative process for nearly three years, and a subsequent lack of movement on this bill, ALOA’s directors feel that this goal can now be accomplished through non-legislative means.

ALOA has become a primary participant of the Vehicle Security Committee of the National Automotive Service Task Force and hosted the last two meetings of this committee. The NASTF is a not-for-profit, no-dues task force established to facilitate the identification and correction of gaps in the availability and accessibility of automotive service information, service training, diagnostic tools and equipment, and communications for the benefit of automotive service professionals. NASTF is a voluntary, cooperative effort among the automotive service industry, the equipment and tool industry, and automotive manufacturers.

The topic of vehicle security is a complex issue and ties in with other concerned entities, namely auto insurance and law enforcement. For this reason, NASTF saw the need to create a committee to address this important issue. The committee is made up of representatives from every major auto manufacturer, the Association of International Automobile Manufacturers (AIAM), the Automotive Service Association (ASA), the National Insurance Crime Bureau (NICB), ALOA, independent locksmiths and repair shop owners, and various automobile clubs.

The goal of the Vehicle Security Committee is to create a mechanism for the secure release of data required to generate automotive keys and return the vehicle to drivability for the authorized owner of the vehicle. This mechanism would require a registry of pre-qualified service providers to be maintained by a neutral agency, in this case the NICB would be the likely candidate. The qualifications would consist of, but are not limited to, a criminal background check, indemnity (insurance and bonding), and adherence to a Positive ID policy and record keeping. The Secure Data Release Model (SDRM) is illustrated in figures 1 and 2.

ALOA needs your help and feedback. Please visit the ALOA website (www.aloa.org/NASTFpoll) and answer the following questions:

1. Based on the SDRM, would your business be
 - a. Very Interested
 - b. Interested
 - c. Not something that you need
2. How many calls a week do you get for automotive key generating when the keys have been lost?
3. How many of these calls are you unable to service because of inaccessibility to the information required to produce a working key?

You can send additional comments to ALOA’s representatives to the committee: Bill Young (Trustee) youngcml@yahoo.com and Ken Kupferman (SE Director) ken@affordablelock.com. For meeting minutes and committee activity, visit www.nastf.org.

Secure Data Release Model (SDRM)

FIGURE 1 : REGISTRATION PROCESS FOR TECHNICIANS

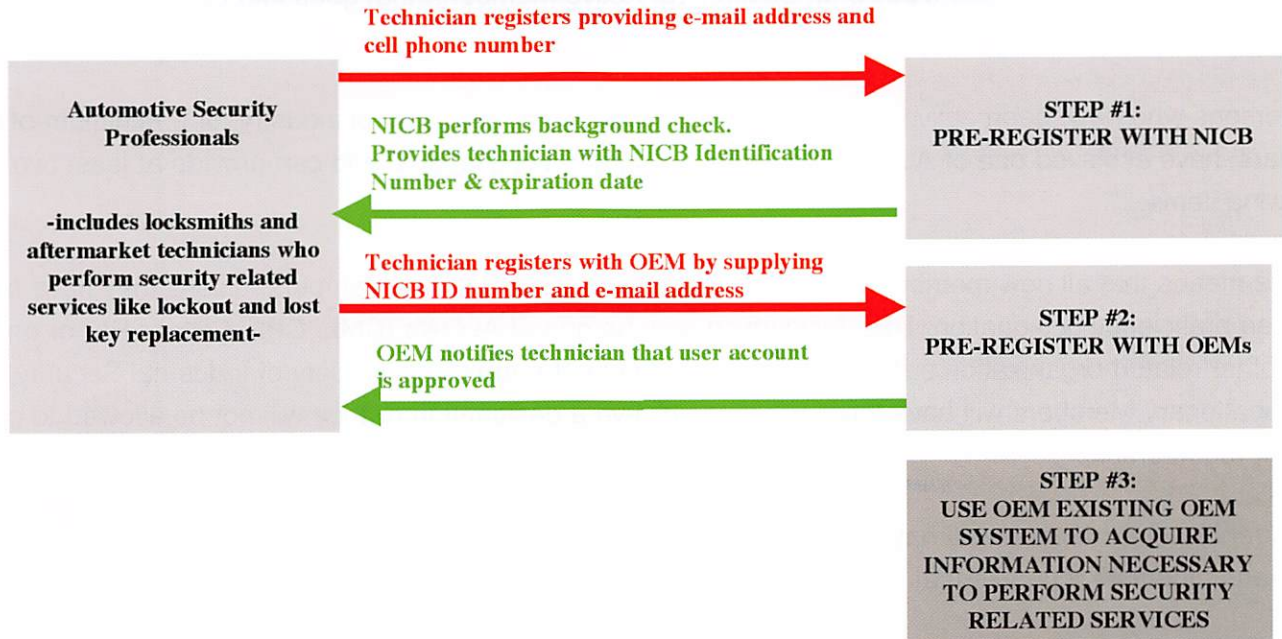
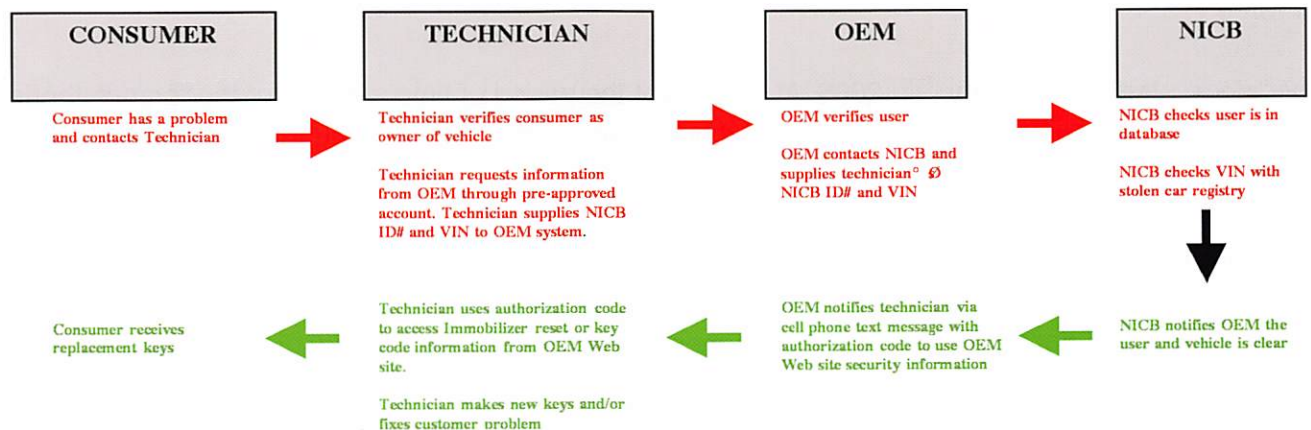


FIGURE 2 : USING THE SYSTEM

NOTE : ACCESS AND RESET INFORMATION WILL NOT BE PROVIDED IF EITHER THE VEHICLE IS IDENTIFIED AS BEING STOLEN OR THE USER REQUESTING ACCESS CAN NOT BE VERIFIED.



Bylaws Changes Update

One of the Bylaws changes (Article III, Section 1a: Active Members) that goes into effect on January 1st, 2006 reads:

“Persons who have been actively engaged in the locksmith/access control industry for a minimum of two years, have achieved one of ALOA’s recognized program designations, and can provide at least two of the following items...”

This means that all new members of ALOA must join as “Probationary Members” unless they have a recognized proficiency designation. This designation may be one of ALOA’s (CML, CPL, CRL or RL) or one from another related organization such as “CPP”, awarded by the American Society of Industrial Security (ASIS). Probationary Members will have three years to achieve a designation or they will not be allowed to continue their membership.

Current ALOA members will have varying lengths of time to achieve a designation depending on the “Grandfathering” schedule that was approved by the membership in a related bylaws change.

Members, whose business address is outside of the United States, are 50 years old or older, or who have been a member for at least 20 years do not ever have to achieve a professional designation.

Members who are 40 – 49 years old or who have been a member for 10 -19 years are exempted for five years.

Members who are under 40 years of age or who have been a member for less than 10 years are exempted for three years.

The “clock” starts on January 1st, 2006. At the end of the period of time allowed for the “grandfathering”, members who have not achieved a recognized designation will not be allowed to renew their ALOA Membership.

All of the ALOA PRP designations now require that those holding the designation take approved educational instruction periodically to keep the designation. Therefore members who allow their PRP (or any other) designation to lapse will not be allowed to continue membership. All people holding, or achieving, PRP designation will be informed of the rules for maintaining these designations.

The changes were passed to improve the overall professionalism and qualification of the ALOA members.

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Classifieds

EMPLOYMENT

LOCKSMITH WANTED

Immediate opening at one of Columbus Ohio's largest locksmith companies. If you are a locksmith with three years of commercial experience and want to work 8:30 to 5:00, come join our team! We are a full-service security center. Excellent benefits include 401K, health insurance, paid vacation, sick leave, and continuing education. Contact Bill or Tim at Golden Bear Lock and Safe, Inc. 614-733-5625 fax 614-733-0004, or email goldenbearlock@cs.com.

LOCKSMITH NEEDED

We are a 40-year-old rapidly growing company in need of experienced locksmiths. We provide all the tools, a brand new van, key machines, uniforms...the works. Salary is dependant upon experience and skill, very competitive wage and benefits package. Paid Vacation, 401k, medical, cross training in our electronic security division and much more. We know how to treat good employees well. Please send resume or inquiry to paulbrandon@lockguys.com or call 253-839-3443

LOCKSMITH NEEDED

Large Lock shop in the Palm Springs area of California is looking for an experienced locksmith for field work. Must be proficient in master keying, safety deposit boxes and working knowledge of safes. Salary plus commission, health insurance benefits, and 401K plan. Please fax resume to 760-779-1811 or call 760-346-5214.

EXPERIENCED SERVICE TECHNICIAN

sought in established company in Central Illinois. Must have good driving record, positive work habits and be neat in appearance. Our company offers a competitive salary with an excellent benefit package - many EXTRAS. Mail or Fax resume to: Denny at Dave & Harry Locksmiths, Inc. 116 E. University Avenue, Champaign, IL 61820. Telephone: 217-352-5034 Fax: 217-352-3505.

PROFESSIONAL EXPERIENCED LOCKSMITH/SAFE TECHNICIANS WANTED:

We are in need of 1 to 2 technicians with the ability to sell, install and service all major manufacturers hardware. We are located in Knoxville, Tennessee and service all areas of east and middle Tennessee. Must have a clean criminal and driving record. Must have a professional attitude and appearance. Background check and references must be supplied. Must be experienced in commercial, industrial, and residential hardware, sales, service, and installations. Access, SAFE, and other areas ARE a plus. Paid holidays, retirement, health insurance, uniforms, tools and truck supplied. 8 am - PM Monday - Friday. Call: 865-522-0841 Fax: 865-637-2359 Email: INFO@FMGEORGE.COM 800.484.5577 pin 0841

ACCESS CONTROL TECHNICIAN NEEDED

He/she must have 3-4 years experience in Sales & Installation of Electronic access control & cctv Installation & Service. Contact Denny Birt 1-800-352-5034

LOCKSMITH WANTED

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Cor-Key knobs for Schlage A/D-line hardware. S&G 6730 like new replaced with digital. Free dial and ring, Van Lock cam locks, pin kit for both cylinders and keys. Large assortment of all

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Key Machines, key blanks, Inventory - prefer to sell complete, will consider offers on individual pieces. Call M.A. Box 432-448-2832 or 448-634-4808.

FOR SALE

Locksmith Equipment and Inventory: Key Machines, key blanks, inventory - prefer to sell complete, will consider offers on individual pieces. Call M.A. Box 432-448-2832 or 448-634-4808.

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16 year old locksmith business located in Miami, FL. Large commercial account base. Serious inquires only. \$375,000. 305 233-4447

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Central Florida Locksmith Business with two fully equipped vans, full inventory, tools, key and code machines, etc. Established customer base since 1983. Leased storefront shop. Gross sales 250K-300K. Priced to sell at 150K. Contact Howard at 407-933-0722.

LOOKING FOR BOOK

I am looking for The Comprehensive Manual of Locksmithing by Shankle and Shankle. Please contact Earl Karsikas at 651-769-2579 or by mail at 8257 Hyde Ave, Cottage Grove, MN 55016.

Classified Advertising Policy

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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www.boyleandchase.com

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www.clarksecurity.com

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Dire's Lock & Key Company

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Fax: 303-294-0198

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Fax: 800-452-8600

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Fax: 407-363-4666

Doyle Security Products

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Fax: 708-597-0881

Foley-Belsaw Company

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www.hardwareagencies.com

IDN Incorporated

Phone: 817-421-5470
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legislative update

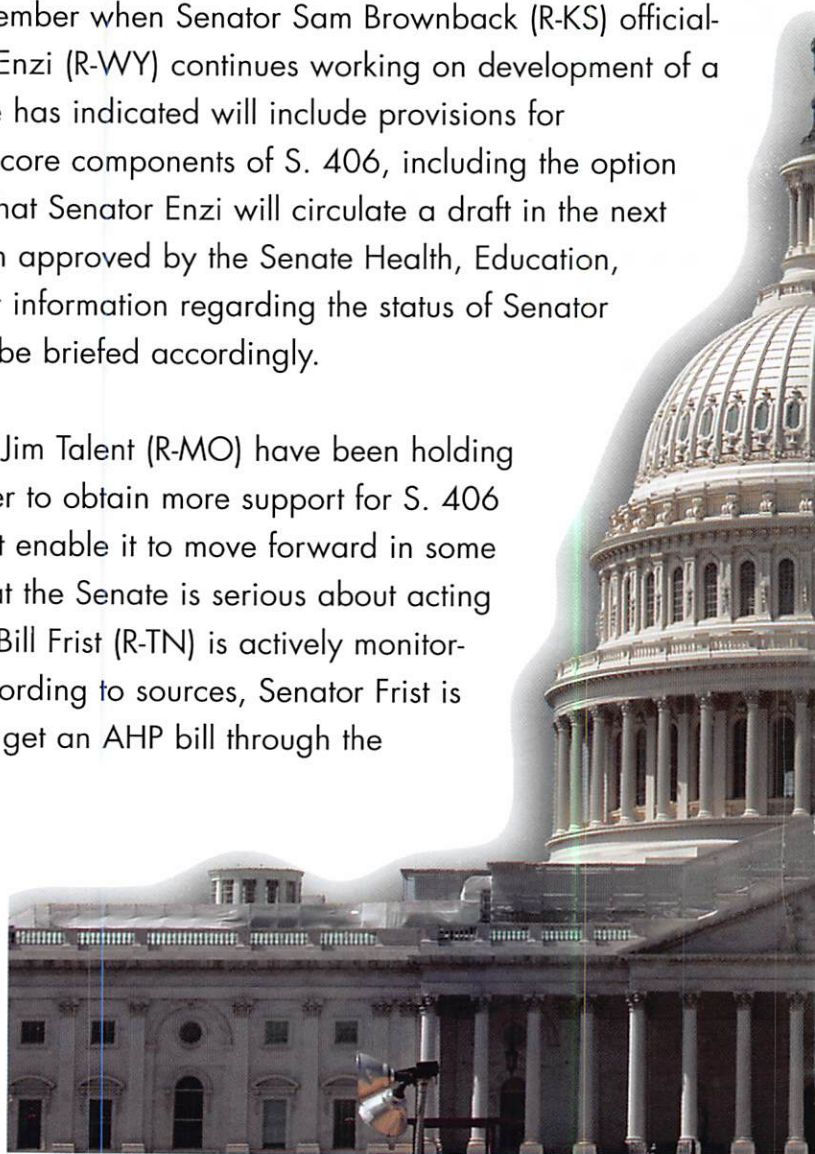
Senate Readies for Legislative Battle on Association Health Plans (AHP)

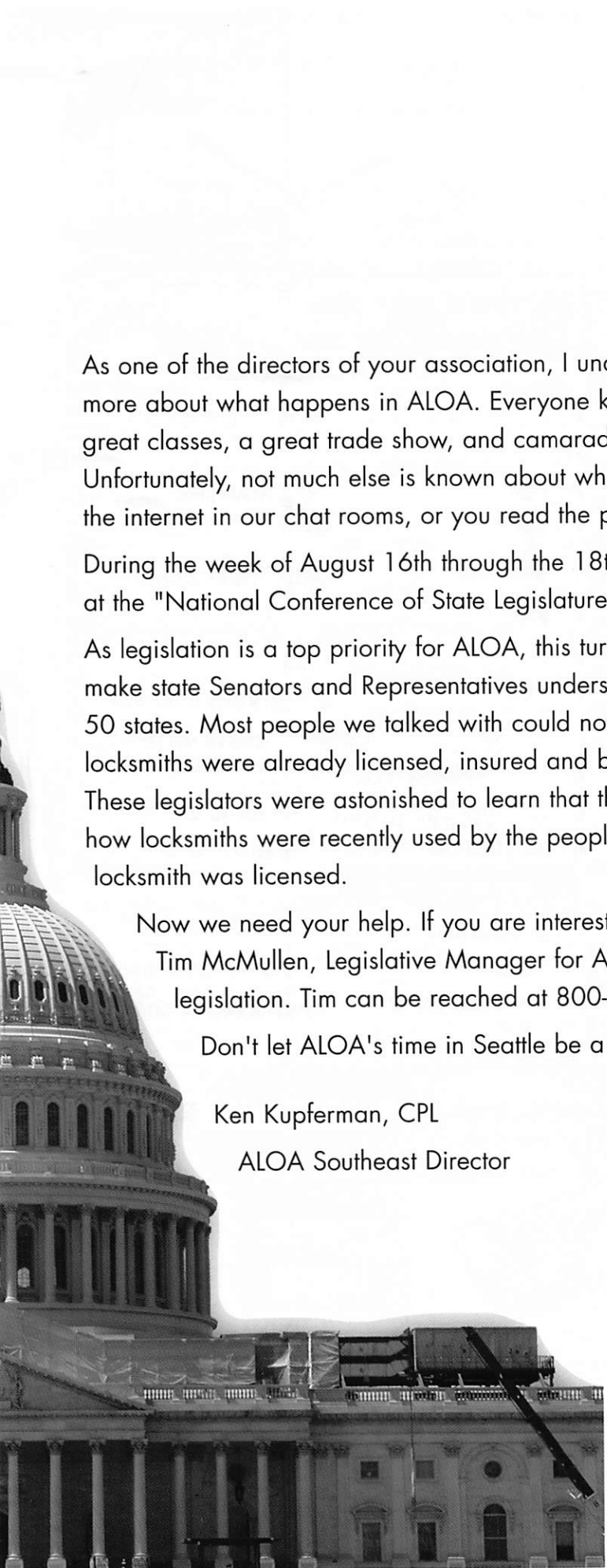
Since Congress returned from its August recess in early September, its focus has been almost exclusively on the truly monumental task of responding to the devastation of the Gulf Coast region by Hurricane Katrina. While the need to deal with the Katrina response and the Supreme Court nominations will continue to dominate the Senate's schedule in the coming weeks, there is nevertheless significant behind-the-scenes activity in the Senate on Association Health Plans (AHP). It is clear that the most serious effort to date will be made this fall to have the Senate approve legislation that contains the core components of the Small Business Health Fairness Act (S. 406).

The AHP bill did gain a new backer in early September when Senator Sam Brownback (R-KS) officially became a cosponsor of the bill. Senator Mike Enzi (R-WY) continues working on development of a comprehensive health insurance reform bill that he has indicated will include provisions for Association Health Plans. It is critical to retain the core components of S. 406, including the option of self-funding for AHPs, in Enzi's bill. It appears that Senator Enzi will circulate a draft in the next few weeks and then attempt to have the legislation approved by the Senate Health, Education, Labor and Pensions Committee. As soon as further information regarding the status of Senator Enzi's proposal becomes available, members will be briefed accordingly.

Meanwhile, Senators Olympia Snowe (R-ME) and Jim Talent (R-MO) have been holding meetings with numerous Senate colleagues in order to obtain more support for S. 406 and discuss potential changes to the bill that might enable it to move forward in some form. One of the most encouraging indications that the Senate is serious about acting on AHP legislation is that Senate Majority Leader Bill Frist (R-TN) is actively monitoring the discussions on AHPs among Senators. According to sources, Senator Frist is eager to fulfill his commitment to Senator Talent to get an AHP bill through the Senate this year.

Should a mark-up of Senator Enzi's health reform legislation be scheduled, it will be important for all ALOA members to contact members of the Senate Health, Education, Labor and Pensions Committee with respect to Enzi's bill.





As one of the directors of your association, I understand that some members would like to know more about what happens in ALOA. Everyone knows that we have a convention once a year with great classes, a great trade show, and camaraderie among attendees that lasts all year. Unfortunately, not much else is known about what happens the rest of the year unless you are on the internet in our chat rooms, or you read the presidential viewpoint in Keynotes.

During the week of August 16th through the 18th, I was asked to help represent our organization at the "National Conference of State Legislatures" in Seattle, Washington.

As legislation is a top priority for ALOA, this turned out to be an excellent venue for ALOA to make state Senators and Representatives understand that locksmiths are not licensed in 46 of our 50 states. Most people we talked with could not believe this was the situation. Most believed that locksmiths were already licensed, insured and bonded and that background checks were done. These legislators were astonished to learn that this is not the case. We heard quite a few stories of how locksmiths were recently used by the people we talked with, and they just assumed that the locksmith was licensed.

Now we need your help. If you are interested in locksmithing licensing for your state, contact Tim McMullen, Legislative Manager for ALOA and we will work with you to contact your legislation. Tim can be reached at 800-532-ALOA(2562) X 300.

Don't let ALOA's time in Seattle be a waste.

Ken Kupferman, CPL

ALOA Southeast Director



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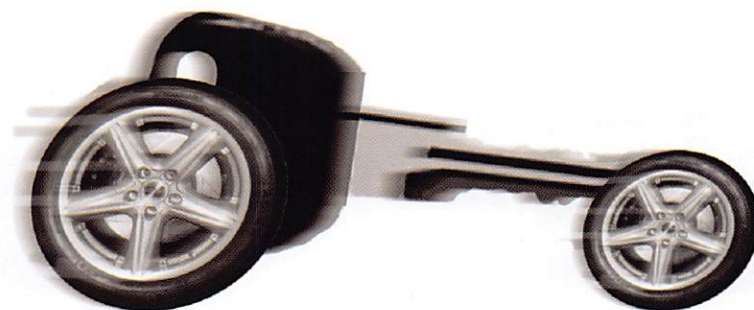
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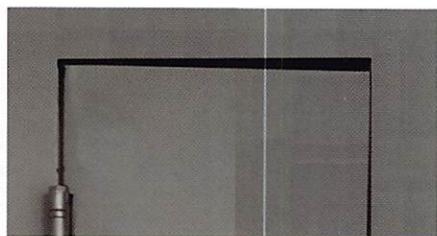
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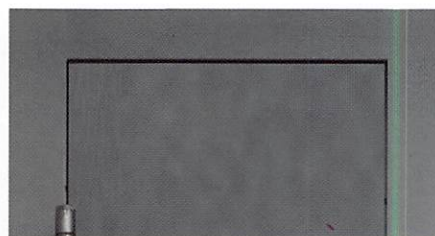
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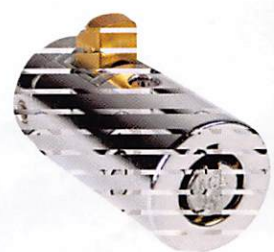
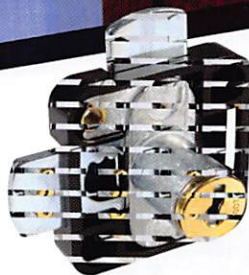
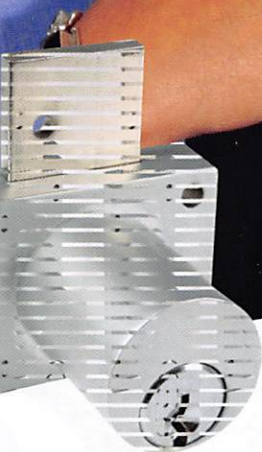
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