

# KEYNOTES

SECURING YOUR SUCCESS



## The SAFE & VAULT Issue

- A unique double-door safe
- Using neodymium magnets
- Making a key for an antique safe

PARCELLS SAFE COMPANY,  
SAN-FRANCISCO, CAL.

**PLUS**

### Introducing IAAL: ALOA's New Automotive Division



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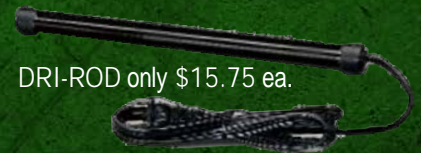
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**Mission Statement:** The mission of the ALOA Security Professionals Association, Inc., as dedicated members of the security industry, is to ensure professional excellence and ethics; create a public demand for professional locksmith services; represent and speak for the locksmith industry; and expand the exchange of trade information and knowledge with other security-related organizations to preserve and enhance the security industry.

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# Opportunities to Learn in 2022

**I** HOPE BY THE TIME YOU READ THIS THAT WE WILL HAVE HAD A VERY successful SAFETECH convention. This convention is the time to get out, get educated and meet and re-meet new and old friends. Half the learning at these conventions takes place after the regular convention hours. Go down to the bar and have a drink with friends.

This will naturally lead to conversations about safes you have opened, and you will gain very valuable information. Need information on a safe that is giving you trouble? A person who has met you will be more likely to help you out.

True, you can now get all sorts of information on safes from YouTube, but how much of it is going to really help you and not get you into a lot of problems instead? Unfortunately, there are a lot of people out there who want to impress you with all they think they know, but they really do not know anything. Education may be expensive, but a lack of education can be a lot more expensive.

## European Locksmith Federation Convention

Want to see high-quality safes? Coming up in May is the ELF Convention in Bologna, Italy. This is a great chance to visit Italy and see European safes at the same time. The locks in Europe are usually very different from what we see as common here in the States, so it's a great opportunity to learn. Take the chance to see another country, and write it off your taxes.

And included with the hard copy of this issue of *Keynotes* is the registration brochure for the 2022 ALOA Convention and Security Expo in Las Vegas. We have a lot of new classes as well as all the usual favorites, so take a look to see what you want to learn. Registration is also available online.

I hope to see you at the various shows that are coming up.

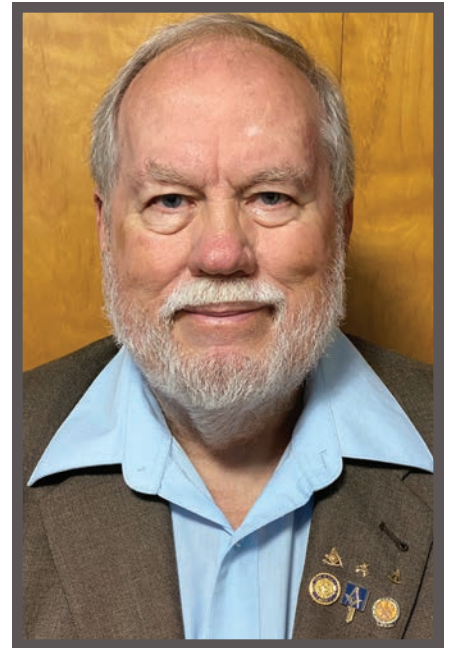


Bill Mandlebaum, CML

President

ALOA Security Professionals Association, Inc.

president@aloea.org



**“True, you can now get all sorts of information on safes from YouTube, but how much of it is going to really help you and not get you into a lot of problems instead?”**

# Register for ALOA 2022

**I**T HARDLY SEEMS LIKE IT should be time again, but ALOA Convention registration is now open! It's been a tumultuous two years, and we are thrilled to once again be able to hold this event. Last year's convention in Orlando was a great success, and everyone was happy to see each other and catch up in person. This year's event is on track to be even better.

Join us July 24-30 for an enlightening week of education, networking and new products at the Security Expo. We are again hosting the convention at the South Point Hotel & Casino in Las Vegas, where we were in 2019. ALOA always strives to find convention locations that not only meet our classroom and event needs but also are affordable and convenient. We know that value is important to our members, and this is one of the best locations we've ever had on that front. All of the classroom and event spaces are consolidated into one area (unlike many of the Vegas properties), and the hotel rate is unbeatable. For Monday through Thursday, it's only \$70 per night — inclusive of the resort fee — and \$115 on Friday and Saturday nights. For as nice of a property as this is, it's an absolute steal. If you didn't attend in 2019, this is a great year to attend and see how fantastic this location is.

## Education

Classes are the star of the week, and we have a lot of them for you. We have many of the classes that always fill up (register early to get a better chance of your first picks) plus some new ones. Take a look at the full registration brochure to see the schedule and class descriptions.

You'll also see that we are offering even more automotive classes than usual. We are covering everything from key generation and Lishi usage to EEPROM, servicing and repair, and transponders and microprocessors. This is a great time to brush up on your automotive skills or to take classes to learn this segment of the industry (Auto Essentials is a great place to start).

## New Automotive Division

This increase in automotive classes coincides with the unveiling of our new International Association of Automotive Locksmiths (IAAL) division of ALOA. This is something we have wanted to pursue for quite some time so we could better address the needs of this specialized segment of the security industry. It will operate much like SAVTA does, with its own board but a seat on the ALOA SPAI board.

To learn more about the origins and plans for the division, take a look at Ed



Woods' Automotive Spotlight column on page 11. For any questions about the automotive division, email us at [membership@aloa.org](mailto:membership@aloa.org). We'll have more information for you at the Membership Meeting at ALOA 2022 as well.

## SAFETECH

I hope everyone who attended enjoys SAFETECH in Lexington this year. This event is a long time coming after not being able to hold it since 2019. If you're attending, come say hello to ALOA and SAVTA staff and board members! If you can't make it, save the dates of April 17-22 for SAFETECH 2023 in Reno.

I hope to see you all at events this year!

*Mary A. May*

Mary A. May  
Executive Director  
[mary@aloa.org](mailto:mary@aloa.org)





# MUST HAVES FROM FRAMON

Be sure to register at [www.bluedogkeys.com](http://www.bluedogkeys.com)  
to locate those hard to find blanks!



## KX-1 "THE ELECTRIC PUNCH"

**The fastest manual code machine on the market!**

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Framon's new Safe Deposit Killer Kit makes quick & easy work out of drilling S & G and Diebold safe deposit box locks. When traditional methods can't be used due to a plastic or flimsy door the killer kit is your answer. Simply insert the appropriate guide into the keyway and use a hole saw to drill out the face of the plug. Easy entry in minutes. Kit comes with three guides and two-hole saws in an easy to store plastic carrying case. Made in the USA.



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### FIC Change / Master Key Set

3 Key Set. Order Part #BDFICMK - \$22.50

### Global Link Change / Master Key Set

3 Key Set. Order Part #BDGLMK - \$20.00



Contact BOTH Blue Dog Keys and Framon Manufacturing Company:

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# ALOA 2022 Registration Is Open!

**B**ET BIG ON ALOA 2022 IN FABULOUS LAS VEGAS! Registration is now available online and via the brochure included with this issue of *Keynotes*. Take a look to see the classes and events being offered this year, and stack your deck with all the learning you can squeeze in during the week.

The early registration deadline is July 1, which is also the hotel

reservation cutoff date and the deadline to register for the PRP. The hotel will sell out, so book your room early for peace of mind!

Read about the 2022 ALOA Convention & Security Expo in the Main Event Column on page 15 in this issue of *Keynotes*, and more information can be found in the brochure and online at [ALOA.org](http://ALOA.org). For questions, email [conventions@aloa.org](mailto:conventions@aloa.org). See you there!



Adrik Garcia was the drawing winner at NCLA's Trade Show for a full ALOA Convention registration package.

# ALOA at the NCLA Trade Show

**A**LOA SPAI HAD A PRESENCE AT THE NORTH CAROLINA Locksmith's Association's Regional Security Trade Show in Hickory, NC, in February. At the booth, several new members signed up and inquired about ALOA classes and events.

There was a drawing for full ALOA Convention registration package, and Adrik Garcia was the winner. Congratulations to him!



# Securitech Launches Auto-Bolt Max Exit Device Series

**S**ECURITECH HAS LAUNCHED ITS AUTO-BOLT MAX Exit Device Series. It's designed for doors requiring panic exit hardware, with the critical infrastructure and retail industries in mind.

The ABM Exit Device Series projects steel deadbolts instead of traditional latching exit devices and is available in both concealed models and surface-applied models for retrofit applications. It has up to five locking points (three separate locking locations on the lock edge, and up to two customizable locking points on the hinge edge). The saw-resistant, free-spinning locking stainless steel deadbolts project 1" into the doorframe and header, fastening the door to the frame much like a bank vault door.

Pushing the interior touchbar retracts all bolts simultaneously, and the product has optional request-to-exit, bolt position, door position and other signals. The ABM Exit Device Series is compatible with keying systems and can be integrated with access control systems. Other

customizable features include local alarms, alarm signals, vertical or horizontal locking bolt locations and unique bolt hold-back options.



Securitech has introduced the Auto-Bolt Max Exit Device Series.

## Lucky Line Introduces New Keychain

**L**UCKY LINE HAS INTRODUCED THE PHONE STAND & Can Tab/Bottle Opener keychain. It includes a 7/8" nickel-plated steel split ring and features a can tab opener, and it can also be used as a phone stand. The keychain comes in four colors (black, blue, red and silver) and measures 1/2" wide x 2 1/2" long, not including the split ring.

It's sold on a single card, 12-piece clip strip, 12-product card or in a jar of 75. For more information, visit [LuckyLine.com](http://LuckyLine.com) or call (800) 654-6409.



Lucky Line's new keychain can be used as a bottle opener and a phone stand.

### NEWS BRIEF



Save the date! The **2022 GPLA Convention** will be held September 28 to October 1 at the Airport Clarion Hotel in Essington, PA. Look for more information in the coming months on [GPLA.org](http://GPLA.org).

## NEW APPLICANTS

### CALIFORNIA

Long Beach

► **Richard Edward Dorame**

Ascot Lock & Key

Placentia

► **Zach X. Vaughn**

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Sacramento

► **Nicholas R. Vanina**

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► **Mark Romanowski, RL, ARL**

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San Pablo

► **Benjamin Saenz Jr.**

San Francisco Marriott Marquis

*Sponsor: Michael F. Owens*

San Rafael

► **Gregory C. Farley**

Transbay Lock

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Southington Security Services, LLC

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*Sponsor: George M. Klein, RL*

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Quick Key

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Heartland Safe and Lock LLC

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Carencro

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AGJC LLC DBA 5 Star Lock & Key

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Blaine Lock & Safe, Inc.

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Wyoming

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► **Justin J. Mitchell**

EZ Key Programming

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KeyMe LLC

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Raleigh

► **Reuben D. Young**

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► **Les Lukenas**

Lockmasters Technologies Inc.

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Miamisburg

► **Ian Hill**

GoKeyless

*Sponsor: Thomas A. Johnson, RL*

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Bend

► **Christian Joachims**

24/7 Locksmith Central Oregon LLC

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► **Daniel Coleman**

► **Kristopher Garst**

► **Jessica Gilmore**

Garland

► **Randall Spell Jr.**

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Gary's Lock and Key

*Sponsor: Wayne Winton, ARL*

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Mahoney's Lock and Alarm

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Manassas

► **Rahm Bunnag**

Fairfax County

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► **Masayuki Nagasawa**

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Ft McMurray, AB, Canada

#### We Need Your Help

**Attention, ALOA Members:** Help us eliminate the industry scammer problem by screening these applicants, who are scheduled for clearance as ALOA members, to ensure they meet the standards of ALOA's Code of Ethics. Protests, if any, must be made within 30 days of this *Keynotes* issue date, addressed to the ALOA membership department, signed and submitted via e-mail to [membership@aloea.org](mailto:membership@aloea.org) or via fax to 469-543-5241. For questions, contact Kevin Wesley, membership manager, at [Kevin@aloea.org](mailto:Kevin@aloea.org) or (214) 819-9733, ext. 219.

## CALENDAR

For a complete calendar of events, visit [www.aloea.org](http://www.aloea.org).

### MAY

**May 23-28**

**6-Day Basic Fundamentals Locksmithing**

In-person, at ALOA Training Center, Dallas, TX

Begins Monday, May 23

@ 7:30 a.m. CST – 4:30 p.m. CST

Saturday, May 28th @ 8 a.m. CST – 12 Noon CST

Questions? [education@aloea.org](mailto:education@aloea.org)

or (469) 453-5220

See all course and registration

details: <https://conta.cc/3JUe311>

**May 2-June 27**

**AMKS, ALOA Master Key Specialist Certification Webinar Series**

Webinar (Online) consisting of 16 one-hour sessions, twice a week

Begins: Monday, May 2, 2022

@ 6 p.m. CST – 7 p.m. CST

Last session: Monday, June 27, 2022.

Includes ½ hour bonus Q&A after each session!

Certification Exams June 30 and July 7

Questions? [education@aloea.org](mailto:education@aloea.org) or (469) 453-5220

See all webinar and registration details: <https://conta.cc/3K7pgyR>

### JUNE

**June 16-17**

**Southern Lock 2022 Trade Show & Learning Expo**

St. Petersburg, FL

[www.southernlock.com](http://www.southernlock.com)

### JULY

**July 24-30**

**ALOA 2022**

SouthPoint Hotel & Casino,

Las Vegas, NV

[ALOA.org](http://ALOA.org) | [conventions@aloea.org](mailto:conventions@aloea.org)

or (800) 532-2562





# Welcome to the IAAL

The new automotive division of ALOA is up and running. **By Ed Woods**

**I** MADE IT THROUGH 2020 AND 2021! IN JULY 2021 AT THE ALOA Convention, I received the Lifetime Achievement Award. Back in 1993 when I saw the same award presented, I thought, “No way will I live long enough to ever receive such a prestigious award.” Well, I thought they were going to put me out to pasture after this award. Instead, they called me into a meeting to tell me a dream I had was about to come true: IAAL was about to become a reality.

The International Association of Automotive Locksmiths was being stanchioned and approved by the ALOA Board. Four other people were asked to be part of the organizing board along with me: Donnie Sherfield, Travis Wright, Manny Natal and Jeff Baker. We all got together along with Bill Mandlebaum, Jim Hancock, Tony Presidio, Brian VanDenburgh and Rafael Marte to lay out the bylaws and governance policies of the new division. All this was submitted to ALOA’s attorney and the entire ALOA board at the fall board meeting, and everything was unanimously approved.

## The Organizing Plan

The master plan is much like SAVTA’s, and we hope to increase education in the automotive field for all our members. Automotive locksmithing has changed more in the last 20 to 30 years than any other field of locksmithing. We want to continue to supply education at the annual convention in July but also have a smaller automotive-specific convention — no door closers or master keying. Just automotive. I’m thinking we might invite some of those nerdy forensic automotive investigators so they won’t feel left out.

**“Automotive locksmithing has changed more in the last 20 to 30 years than any other field of locksmithing.”**

In 1993, I took my first automotive class from Ray D’Adamo and his wife, Tina. Then, in 2003, I joined Ray as his assistant at the convention in Chicago. When I returned home that next week, I got a request to teach my first solo class for the Wyoming Locksmith Association. Since then, I have taught numerous classes for associations, distributors, and law enforcement. I would like to recruit the best instructors in the industry to join us for a fabulous event that can cover everything automotive from the old classics to the newest of high-end European cars.

With the backing of ALOA and a great group on the IAAL board, I hope to pull this off and be proud of what my dream can become. I have received great input from instructors like Rafael Marte and manufacturers like Tony Presidio of Ilco encouraging us to move forward and offering to help as needed.

### Preparing for the Future

Some automotive locksmiths have expressed an attitude of “what has ALOA done for me lately?” Well, ALOA is stepping up and listening. And I am hoping that — with a promise from me — we can pull this education symposium off and grow the automotive division of ALOA into the convention that I know it can be.

The industry is changing, and making automotive keys is getting more difficult. With that comes more money for the educated individuals who can get the job done. The classes I hope to bring are not limited to but will include soldering, high-security key generation, EEPROM, module programming, ignition repairing, motorcycles, classic car key generation and transponder programming — all with an emphasis on training that is not just lectures and videos but also includes hands-on training. Taking back from the dealers exclusivity in key generation and making automotive keys for our customers’ newest and classic rides is our mission.

I also hope to expand on the PRP. CAL and CMAL need to be recognized as Certified Automotive Locksmith and Certified Master Automotive Locksmith by those searching for an automotive locksmith. We want to educate customers on the Find a Locksmith website to search for specialized certified individuals to make or duplicate their automotive keys. Much the same way educated customers seek out ASE certified technicians to fix their automobiles, we need to be recognized as the car key specialists.

While we get these plans off the ground, take note of all of the automotive classes happening at the 2022 ALOA Convention & Security Expo. We have a lot of opportunities for you to learn — more so than at previous conventions. Look for information included with the brochure in this issue of *Keynotes*, or go online to [ALOA.org](http://ALOA.org) to register. I’ll see you there. ☺



on the board of IAAL.

**Ed Woods** is the senior locksmith and company trainer at Lockout Express LLC. He’s also an instructor for Just Cars, ALOA and several distributors. He serves

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# New Logos for Certified Forensic Safe Techs

**S**PRING IS HERE, AND IT'S TIME TO GET OUT OF THE HOUSE AND BREATHE some fresh air! I am so looking forward to SAVTA's SAFETECH convention in Lexington, KY, this month. I will be breaking in a new instructor for the Forensics for Safe Techs class. Jim Ashley, CFMST, is a highly skilled forensic safe tech with many years of investigative experience. Look for us there trying to stay out of trouble.

As you know, Brian VanDenburgh has taken a new position with a worldwide fortune 500 company and now spends all his time on corporate jets solving security problems. The IAIL Board of Directors and I wish Brian a wonderful and exciting new career. I have stepped back in as president of IAIL until a suitable candidate can be found. I would like to welcome Clyde Roberson, CFMST, to the IAIL board. Clyde brings many years of legal knowledge and investigative skills to help round out our board.

## Credentials for Safe Techs

During my free time away from the IAIL presidency, I have been working as the CFL Committee Chair, and our committee has developed some new credential logos. This will help our members stand out as forensic-specific investigators. Since this month is SAFETECH, *Figures 1 and 2* show the two safe credentials.

How does a safe tech achieve either of these new credentials? First, be a member of SAVTA or ALOA and IAIL. Then take all the required courses so you can sit for your CFL-Safes and Vaults. Once you pass that exam, you are a CFL. Next, if you have already passed your CPS or CMST SAVTA exam, we will combine your two credentials, and then our committee will award you one of these new logos with a certificate.



Figure 1



Figure 2

**Figures 1 and 2.** These are the two safe-related forensic credentials you can receive through IAIL.

As always, we encourage forensic investigators to make education a matter of utmost importance. Now that we have learned to live with the pandemic, you will find more forensic classes available as an easy way to stay sharp and up to date in the latest techniques and procedures.

We are working on a forensic conference later in the year and hope to bring you additional information soon. In the meantime, the ALOA Convention is in July, and forensic classes will be on the menu for this training event. Sign up early! Look for registration information in April.

If you have any questions, suggestions or ideas, please contact me directly at [IAILPresident@aloea.org](mailto:IAILPresident@aloea.org).



**Tom Resciniti Demont,** AHC, CAI, CFFDI, CFL, CMIL, CML, CFMST, ICML, IFDI, CFLSFDI, AR, is president of the International Association of

Investigative Locksmiths. Contact him at [IAILPresident@aloea.org](mailto:IAILPresident@aloea.org).

## Get Published!

IAIL members: Submit your articles for the Investigative Spotlight department. Send your information to Tom Demont at [thomas@assatechnicalservicesinc.com](mailto:thomas@assatechnicalservicesinc.com).





# ALOHA

## NO LIMITS ♦ 2022

# ALOHA 2022 Registration Is Now Open!

Join us in Las Vegas July 24-30.

**T**HE TIME IS FINALLY HERE: REGISTRATION FOR the 2022 ALOA Convention & Security Expo is available! Take a look at the brochure included with this issue of the magazine to view the full details about classes, events, the Security Expo and more.

If you go to one professional event all year, this one should be it! There's no limit to where you can take your career when you attend the ALOA Convention. We have more than 45 classes to choose from, including 12 automotive classes. Come learn from the best and learn about the new International Association of Automotive Locksmiths division at the Membership Meeting.

There will be all your favorite topics, from master keying and electronic access control to safe topics, investigative

locksmithing and more. Hurry to register online for your best chance of getting into your first-pick classes!

You can also take advantage of after-class PRP electives or take other PRP tests while information is fresh on your mind. You must register for the PRP by July 1, so don't wait.

### Location

We are back at the South Point Hotel & Casino, and we have secured an unbeatable rate for you. Rooms are just \$70 per night Monday through Thursday and \$115 per night Friday and Saturday — and the rate includes the resort fee. To top it off, you get free parking, free in-room Wi-Fi, complimentary airport shuttle (you must make a reservation), free fitness center access and more.









The room block reservation deadline is July 1, and the hotel will sell out.

Call (866) 791-7626 and reference group name "ALOA." Book early!

### Events

Meet up with all the industry's "high rollers" at the many events like the Kick-Off Party, CML Breakfast, Women in Locksmithing reception and more. And so much networking and learning happens during breaks, at class lunches and just hanging around the hotel in the evenings getting to know your fellow locksmiths. Make some friends and business connections who can help you win big down the road.

### Security Expo

The two-day Security Expo is the best place to stack your deck with the latest hardware, tools and more. Learn about services that can help streamline your operations and make your shop run more effectively too!

As always, there will be prize drawings on the show floor every hour, so stay for the full two days for your best chance of winning. You can even win a full registration package to ALOA 2023 in Orlando!

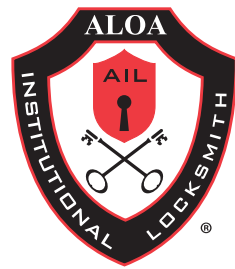
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# The Alphabet Soup of the Physical Security World

**Steve Fryman, CRL, CAI, CISM,**  
discusses what all those letters mean.

**I** LOVE SOUP! I COULD EAT IT FOR EVERY MEAL IF I HAD TO, AND IT DOES NOT matter what time of year, either. Think of all the different soups! There is an amazingly endless variety.

Same goes for the alphabet soup of the security industry. We have DHI, NFPA, ANSI-BHMA and SIA, just to name a few. All these organizations have an important role in shaping the world we live in. Most have been around for decades, like the NFPA.

## NFPA

The NFPA was established more than 120 years ago in 1896. Its roots are from the end of the industrial age when worker safety and wellbeing were just coming to the forefront. Labor laws and workers' rights were just being established. The industrial age was a very challenging and dark time in history where child labor and unsafe working conditions were prevalent. Workers were required to work 16- to 18-hour workdays and often risked their lives in workspaces fraught with the danger of fire and overpopulation.

Innovation was a driving force behind worker safety. New items like fire sprinklers were a large part of the trend toward improving safety in the workplace. Sprinkler technology was coming of age, with the first patent requested on August 11, 1874: U.S. patent No. 154,076 by Henry S. Parmelee of New Haven, CT.

As a historical reference, Edison patented his first light bulb in 1879. Edison was one of the early pioneers of electrical safety. He was responsible for promoting insulated wires and creating fusible links. This was taking place during the era of the creation of large companies like General Electric and Ford Motor Company. It was the beginning of mass-produced consumer goods.

## DHI

Doors have been around for over 5,000 years, and the Egyptians in particular were building doors more than 4,000 years ago. During the Bronze Age, we saw metal doors like the ones in the Hildesheim Cathedral in Germany made by Bernward. So much evolution of doors happened before the Door Hardware Institute was established in 1975.

DHI is the voice of door manufacturers and distributors. They offer education and credentialing to a wide range of professions related to building and door hardware. They have training and certifications such as Fire and Egress Door Assembly Inspection certification (FDAI) and many other certifications and classes pertaining to hardware and doors. They are industry spokespeople promoting integrity and professionalism to the trades.

## BHMA and ANSI

The Builders Hardware Manufacturers Association (BHMA) is the only organization accredited by the American National Standards Institute (ANSI) to develop and maintain performance standards for locks, closers, exit devices and other builders' hardware. BHMA has more than 40 ANSI/BHMA standards, and it recognizes the difference between standards for residential and commercial hardware. As a result, they established different standards. They make sure that consumers understand three key areas in which these products have been tested: security, durability and finish.

BMHA was originally established under a volunteer management in 1925 as the Hardware Manufacturers'



Statistical Association. As a result of its expansion in membership in 1962, BHMA was established. Today, more than 80 percent of all manufacturers of builders' hardware in the United States are BHMA members. Through the years, there have been improvements and changes to certification, with the most recent being the BHMA Certified Secure Home label for residential builders.

### SIA

The Security Industry Association (SIA) is the leading trade organization for global security solutions providers, representing thousands of security leaders and experts for the security industry. Their mission statement is "To be a catalyst for success within the global security industry through, insight and influence." The SIA was established in 1969 and is based

**"So much evolution of doors happened before the Door Hardware Institute was established in 1975."**

in Silver Springs, MD.

After you have been in the institutional world of locksmithing, your eyes and ears get tuned to understand the who's who in physical security. Even though these organizations are represented by letters, don't let

the letters' simplicity deceive you — these are vitally important to our day-to-day work by providing standards, protocol and direction. I am grateful for their existence.

Thank you, industry leaders, for your contributions to a safer world. 🌐



**Steve B. Fryman, CRL, CAI, CISM**, has worked in the physical security field for more than 40 years. Now working as the key compliance manager at

Florida State University, he previously served as an institutional locksmith at the University of Florida and in the private sector with his own locksmith business. He developed the first curriculum and testing for the Certified Institutional Shop Manager designation, making him the first recipient of this credential.

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# A Salamander or a Rattlesnake?



An antique safe keeps on 'biting' when a tech tries to make a key for it. **By Bryan Kruysman, CML**

**A** CUSTOMER DROPPED THIS SAFE OFF TO HAVE A KEY MADE FOR IT. I told him it did not look to be a problem and to leave it for a few days. Well, that was not even close to being true. It was a royal pain, and it took about a month.

Before I tell you why, let me provide a little history about the safe, which was one of the first fire safes that actually worked. It was made in Philadelphia sometime between 1850 and 1870. They did a liquid pour of three inches plaster of paris sandwiched between iron plates. It was unique in its time. The original patent was called the Wilder patent (patent number 3,117), which was applied for on June 1, 1843. The name "Salamander" was given to it by a writer because, according to mythology, a salamander could survive a fire — and so could this safe. There is much more information about it on the internet if you like history.

My line of thought at the time was that this safe is 150 or so years old and the lock

would need to be lubed and serviced anyway. Also, I did not want to waste time and blanks trying to impression a lock that may not work. Hey, it sounds good right? Nope. As I would find out, this safe was not designed to be taken apart and serviced, just like, you know, some of today's cheap locks. I am not saying it was not well made; it was just not made to be taken apart. Perhaps they thought it was so well made it would never need to be serviced or taken apart. Maybe taking it apart voided the warranty? I can only speculate.



**Figure 1.** The safe is about 150 years old.



**Figure 2.** The side view is shown.



**Figure 3.** The author discovered that this safe was not designed to be taken apart and serviced.





**Figure 4.** The interior and the back cover screw locations are shown.



**Figure 5.** Another view of the screws is shown.



**Figure 6.** The plate identifies the safe as an Evans & Watson Salamander safe.



**Figure 7.** The cover plate is rotated to reveal the keyhole.



**Figure 8.** The screws are removed, and you can see the plaster of paris.

### The First Problem

The first thing you do to service a safe is to remove the back cover. Well, the screws either were not screws (rivets maybe?), or they were filled with something (see *Figures 4 and 5*). I guess this should have been a red flag for me, but I didn't catch it or others. About this time, I made a post to see if anyone could give me some insight. The great Dave LaBarge, an antique guru, said that it was a putty-like material and could be dug out. This was done, and the screw heads are right there. Awesome!

### The Second Problem

Some of the screws were frozen, rusted in place, and others would turn only a bit with great force. I applied P.B. Blast-er, a penetrating liquid, and hoped this would free the screws after letting it sit a few days. Nope. They laughed at me, my impact driver and my screwdriver. I talked to my customer to get the OK for any changes to the safe's original parts, and he said he trusted my judgment. Time to show these screws who's boss. I drilled the ones that laughed at

me. Finally, the back cover was off! I got it whooped! Nope.

### The Third Problem

This problem — another red flag I missed — can be seen in *Figure 8*. The lock and boltwork were completely encased in what had to be plaster of paris. Also, I now know why the screws would not turn: The plaster of paris was poured wet, and screws were installed before it dried. Screws won't turn well when they are covered with plaster of paris and rust.





**Figure 9.** This image shows the body of safe where it blocks removal of the encasement.



**Figure 10.** The excavation has begun.



**Figure 11.** The complete lock and boltwork encasement are shown.



**Figure 12.** The screws hold the encasement on the door.





Figure 13. The solid rivets are hidden.



Figure 14. The solid rivets are uncovered.

**“The lock and boltwork were completely encased in what had to be plaster of paris.”**



Figure 15. The key blank is enormous.

It was time to start drilling and chipping this stuff out. I tried to do it in big chunks, hoping to put most of it back in. They still make plaster of paris, so this seemed to be a correct path. It was not too hard to remove, but I did wear a breathing mask. I *thought* it was plaster of paris, but I didn't know for certain. With that out of the way, I found that the lock and boltwork are all one piece. Two big screws held it in place. Once those were removed, I just needed to lift it out.

### The Fourth Problem

The lock and boltwork were one unit and very big. Also, it wouldn't fit through the back cover hole. I tried to angle it out, turn it left, turn it right... it had to come out, because it went in, didn't it? Nope. Wrong again.

I now know what the outline was in *Figure 13*. It looks to me like this safe door was assembled like a clamshell: two halves with solid rivets holding them together. The back cover is just the pour

hole and not how you get the lock out.

I was not about to take these solid rivets out. I suppose I could have removed them and tried to drill and tap the door to replace them, but it seemed like a security issue to do that.

This safe should have been called Rattlesnake, not Salamander, because it kept biting me.

It was time to switch gears, and impressioning seemed like my best option. I lubed the lock, even though I was taught





**Figure 16.** This is the hook tag for the key blank.

not to do that on something you are going to impression; it was the only way to free up everything inside.

I scoped it and confirmed that two levers and the bolt were free with spring pressure on the levers. Maybe I could do this.

### The Solution

Impressioning was the ticket. The key is huge and the levers are stout, so you can put a lot of pressure on them, and it marks quite well. You can see the marks in *Figure 18*. The key was fit, everything



**Figure 17.** The author decided to impression the key (shown unfinished).



**Figure 18.** The impression marks are circled.

was reassembled and the customer was delighted.

I would like to have charged for all the time on this, but sometimes you have to pay to learn. What lessons did I learn? Don't over think things. Don't play with snakes — I mean, salamanders. I don't know... you tell me. ☺



**Bryan Kruysman, CML,** started working on safes and locks in 1974 for his father. He purchased Suncoast Safe and Lock in Sarasota, FL, in 1991, and moved to his present location in Venice, FL, in 2006.



The background of the advertisement features a large, detailed image of a Medeco 4 key. The key is made of a light-colored metal and has a circular head. On the head, the words "medeco" and "ASSA ABLOY" are engraved, along with the "M4" logo. A large, bold, gold-colored number "4" is superimposed over the key. The key's blade has a complex, multi-bit design. The overall composition is split diagonally, with a dark background on the top left and a white background on the bottom right.

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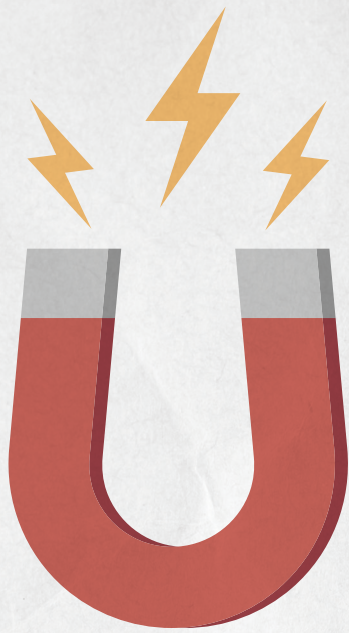
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# WORKING WITH A MAGNETIC OPENING DEVICE

Neodymium magnets can be useful for some openings,  
but use great caution. **By Richard Vigue**

**N**EODYMIUM MAGNETS ARE USED PRIMARILY TO OPEN SOME OF THE SENTRY-type safes where the solenoid is mounted on the door. They make it easy for the magnetic field to attract the solenoid plunger and allow the handle to turn. I don't care how much we tell people: These magnets can cause great physical damage and need to be handled carefully. Also, if someone has a pacemaker, make sure you get them out of the area before bringing in the magnet.

A secondary use is on Simplex 1000 combination locks. The newer units have a shunt plate or non-ferrous metal installed, so the magnets will not work on them, but there are many of the older units still in service. Mark Tobias demonstrated how to open these many years ago. Finally, Simplex decided to make the repair but never had a recall, and I never saw a technical bulletin on the subject.

**“Something to remember is that these magnets will not open all Sentry-type safes.”**



**Figure 1.** The magnet came in a large box.



**Figure 2.** The box is open, but you can't see the steel around the outside or on the bottom that is there to contain the magnetic field.



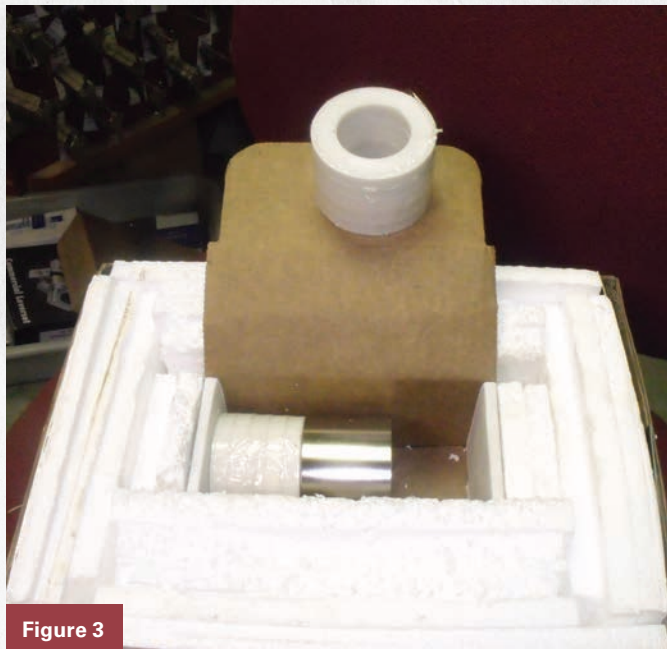


Figure 3



Figure 4

Figures 3 and 4. The internal box has plastic spacers holding the magnet in place.



Figure 5



Figure 6

Figures 5 and 6. The author bought a piece of 3" PVC pipe, a blank end and a screw-on end cap to create a container for the magnet.

## A Look at the Packaging

When I purchased the magnet, it came in a large box (see Figure 1), and I could not understand why until I opened the package. Figure 2 shows it open, but you cannot see the steel around the outside or on the bottom. This is used to contain the magnetic field. Without this protection, the magnet could go through the

cardboard box in transit.

Figures 3 and 4 show the internal box where the magnet has plastic spacers holding it in place. When I was removing them, I could feel that the magnet wanted to move to my metal tool box about three feet away. If the magnet got close enough, I would not be able to stop it. If I tried to hold it, I could smash fin-

gers as it crashed into the metal. Sitting there, it looks innocent, but it is a deadly device if you don't watch it closely.

## Making a Container

Now to make a safe container for the magnet. I bought a piece of 3" PVC pipe, a blank end and a screw-on end cap (Figures 5 and 6). Using PVC glue, I put on





**Figure 7.** The container's end cap is in place.



**Figure 8.** The threaded end piece is in place.



**Figure 9**



**Figure 10**

**Figures 9 and 10.** The author used this material in the pipe to stop the magnet from moving.

the end cap (Figure 7) and the threaded end piece (Figure 8).

The magnet is 3" in diameter and 2" thick. The magnetic field is axial, which means it is strongest on the flat sides versus the round side. It fits very well in the pipe when you make sure it's inserted squarely, as any tilting will jam it up.

Now that we have the magnet inserted, we need to stop any movement. Figures 9 and 10 show the material I stuffed into the pipe to make this happen. In Figure 11, you can see the fin-

ished product. The pipe makes it easier to remove the magnet from a metal surface. I use a sheet of paper between the magnet and the safe to prevent scratching the surface.

To remove it from any steel surface, you need a minimum of contact with the steel. With the pipe, I can tip it to about a 45-degree angle so just the edge of the magnet is in contact. Then, I pull it straight back. You may need someone to hold onto the safe, as it has a tendency to try to follow the magnet.

I added a showpiece, as it looks too easy to open the Sentry safe. I cut off the square piece on the end cap and mounted a keypad with a display and lights that I had removed from a safe (Figure 12).

Before I put the magnet on the safe, I punched in numbers on the keypad. The display shows open, and the internal beeper makes a sound. This helps the customer feel better about paying the amount quoted for the opening.

Something to remember is that these



**“These magnets can cause great physical damage and need to be handled carefully.”**

magnets will not open all Sentry-type safes. If the solenoid is mounted so it pulls toward the inside, the magnet cannot work. If the solenoid is mounted to work in an up or down motion, that also will not work.

It is for the safes (and there are many) where the solenoid is mounted on the door and, when energized, the solenoid is pulled toward the door. Also, Sentry is now aware of this procedure and has installed a piece of metal to shunt the magnetic field. With a very weak pull, these newer units will not allow you to open them with a magnet.

Again, this is not a toy. Be very aware of the potential energy, which can take off fingers in the flash of an eye. Also, remember it is magnetic, and if it comes close to a computer or flash drive (a few feet), all information can be forever lost.

Handle and use with special care, and you will save your body parts. ☺



**Richard Vigue** started locksmithing in 1969 after someone stole his truck and set fire to it. He started with alarms from Radar Sentry in Michigan and took all the classes he could find for locks and safes. He semi-retired in 2005 but is still working and taking classes as well as acting as an adjunct teacher at a local college.



**Figure 11.** The finished container is shown.



**Figure 12.** The author added a showpiece to the end cap to make the customer feel better about the quick opening time.



## Important Safety Information

Neodymium magnets are the strongest permanent magnets on Earth. They have many uses but need to be handled with extreme care and precision to prevent accidents. Here are some safety guidelines to follow when working with neodymium magnets:

Take care to protect your hands and fingers, and handle the magnets with care. Your fingers can be severely pinched if they come between attracting magnets. The pain would be no less than having your fingers being pressed between a pair of pliers.

Free-floating neodymium magnets can slam together with great force. As they are brittle, they can often peel, crack or shatter and send shards of magnets flying all over the place. Hence, it's essential to wear

eye protection when handling neodymium magnets.

Neodymium magnets have strong magnetic fields. If left near magnetic media such as computers, floppy disks, hard drives, credit cards, magnetic ID cards, cassette tapes or video tapes, these magnets are likely to cause damage. Neodymium magnets should also never be left near electronic devices like televisions, computer monitors, DVD players and VCRs unless you want to have to replace the device with a new one.

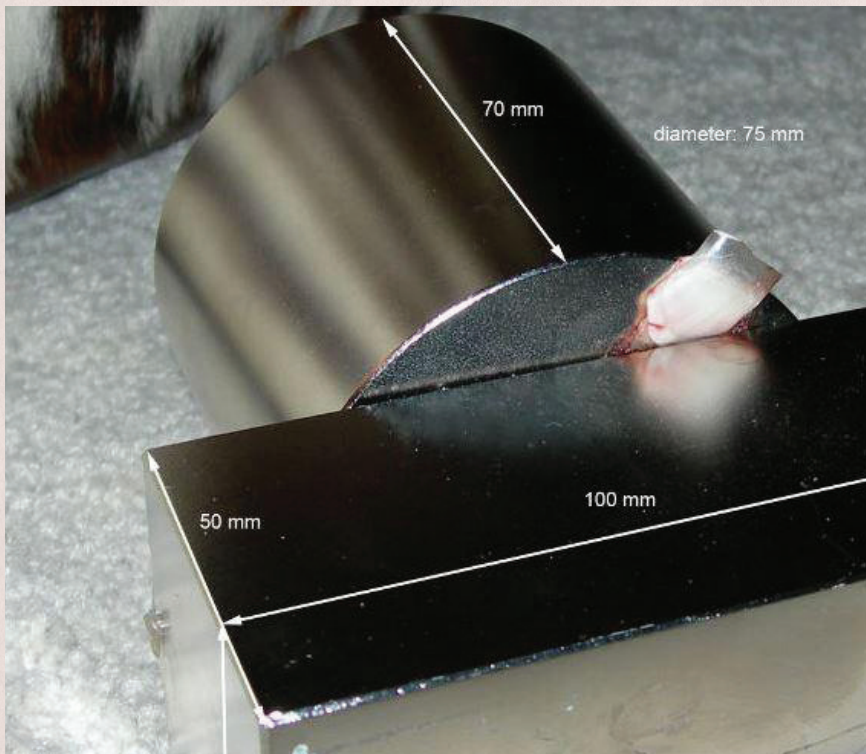
Children should never be allowed to handle neodymium magnets. They pose a choking hazard because of their small size, and small body parts can get pinched between two magnets and hurt the child.

Neodymium magnets should also not be allowed near people who use medical aids such as pacemakers. The magnet can cause the medical aid to malfunction.

Neodymium magnets are brittle and prone to cracking and chipping. Hence they do not take well to machining. Only special machines can handle neodymium magnets, and those machines should be used under the supervision of experts.

Neodymium magnets should never be heated above 175°F or 80°C, as they will lose their magnetic properties. In addition, they may catch fire and burn, producing toxic fumes.

Neodymium magnets have many industrial, education and household uses but only when handled with extreme care and precaution.



**Figure A.** Big neodymium magnets can be dangerous. Here is what can happen if you let yourself get between one magnet and something it wants to stick to.



**Figure B.** Two neodymium magnets got within 22" of each other, with a guy's finger between. It mashed the nail and took off the end of his finger.



**Figure C.** This photo was taken after the finger healed.



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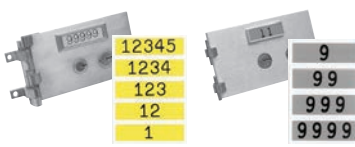
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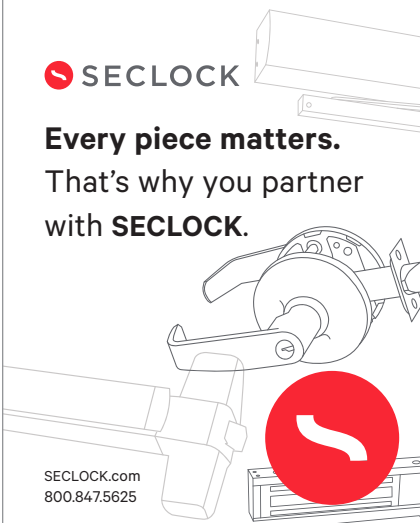
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# DOUBLE DOORS AND

# DOUBLE THE HISTORY

An antique double-door Diebold revealed six interior boxes and a bit of history. **By Blaine Lucas, CJS, CML, CPS, ARL**

**W**E RECEIVED A CALL FROM A PERSON WHO HAD JUST PURCHASED A large Diebold double-door safe with unknown combination and wanted to get it opened and repaired. The safe was in an office for more than 50 years, and the longest-term employee had never seen it open. Is this safe going to be full of gold or full of sailboat fuel? We gave the customer an open-only price for the exterior door (see *Figure 1*).

Because the safe had been indoors, we were confident there would not be a rust issue. The dial turned freely, and the door handles had a little movement. You never know if there will be a day door and/or inner cabinets in these old safes. The manufacturer's name was painted on the double door, and there was a beautiful picture below it. If this safe had been repainted, the 100-number dial center would tell us the manufacturer (*Figure 2*). The dial says "Diebold Safe and Lock Company Canton, O, Patented May 28, 1871."

In *Figure 2*, you can also see a possible previously drilled and repaired hole at about 35 on the dial. *Figure 3* shows the rounded door corners and the top hinge with acorns. The rounded doors are good indicators of Diebold Safe Company design. The approximate size is 44" wide, 80" tall and 34" deep.

The exterior of the safe had the original purchaser, Mason-McDuffie Company, at the top of the doorframe. It was common practice to put the purchaser's name on these old safes, as most were made to





**Figure 1.** This Diebold double-door safe had an unknown combination.



**Figure 2.** The 100-number dial is shown.

order. There is a local Mason-McDuffie Mortgage company still around, and its website states it started doing business in 1887. This could be the approximate time when this safe was built.

### Some Brief History

Painted near the bottom of the door was the name “Parcells Safe Company San-Francisco, Cal” (Figure 4). A quick Google search found some interesting information on this company.

The Parcells Safe Company was a late 1800s safe company with offices in Oakland and San Francisco. They advertised, “Safes Opened, Repaired and Rebuilt.” They were agents for Diebold Safes and Bank Vaults, and the Syracuse Safe Co. Charles Bennett Parcells, a civil war veteran, started this company. In the 1880s, Parcells was manager



**Figure 3.** The top hinge and acorns are shown.

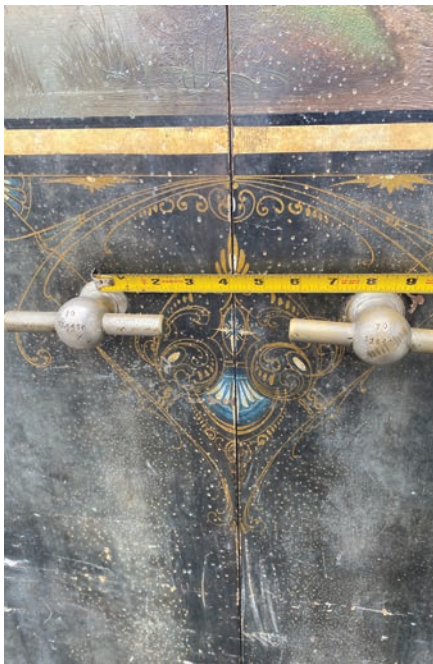


**Figure 4.** Painted near the bottom of the door was the name “Parcells Safe Company San-Francisco, Cal.”





**Figure 5.** The author put the casters on wood for support.



**Figure 7.** The author is measuring from HC to HC.

for the Hall Safe and Lock Company of San Francisco. There was a controversy about his accounts in 1887, and he sold some real estate to Mr. Hall, possibly to cover the shortfall. By 1889, he was listed as an agent for the Diebold Safe and Lock Company, with his son Frank M.



**Figure 8.** The author is using the Adams rope with lever rig to drill the scope hole.

Parcells serving as a salesman and other son Charles Edward Parcells joining as bookkeeper in 1890.

Charles B. Parcells died in 1902, and his son Charles Edward took over. The company had an office in San Francisco, which was burned out by the fires



**Figure 6.** The author is measuring the distance from DC to HC.

following the 1906 earthquake. They temporarily opened an office in the Maple Hall at 14th and Webster in Oakland. Frank Parcells (a Harvard student) was listed in a 1906 directory as an attorney at the same address. A 1907 listing gives their Oakland address as 659 Washington, and their phone number was OAK-7528.

### Specs and Drilling

I am not sure of the weight of this safe, but the wheels were sinking in to the customer's asphalt parking lot. The owner used his forklift to set the wheels on pieces of wood to steady it. *Figure 5* shows the caster, which helps identify the manufacturer. The dial center to handle center is 5" (*Figure 6*). *Figure 7* shows the distance from handle to handle to be 8".

*Figure 8* shows us drilling a scope hole straight into the door at 65, just outside the dial ring, with the Adams rope and StrongArm lever rig. The door is very thick, but the lock is mounted close to the dial mounting surface. I decided to drill outside the dial ring, as I thought that would be the easiest to repair. Strong-Arm drill bits made drilling the hole easy.





**Figure 9.** The door is open.

After scoping the drilled hole, viewing the wheels and transferring the numbers, the safe was unlocked. I was able to see all four wheels and the driver through the drilled hole. I could feel the lock lever hitting the driver and noted how many numbers were different from the viewed scope hole. I changed my combo, as viewed through the scope hole, according to the discrepancy, and the safe was unlocked.

### A Look Inside

The inside of the safe was finished quite nicely, with another mural on the double day doors (Figure 9). The manufacturer's name was painted on the backside of the left-hand outer door, and on the right-hand side was the selling agent's name (Figures 10 and 11).

The manufacturer's state, Ohio, was abbreviated as the single letter "O," and the reseller used a three-letter state abbreviation.

This reminds me of a comedian's explanation of how the states got their two-letter abbreviations. Google Gary Gulman; I think you will find it amusing.



**Figure 10.** The left side door back is shown.



**Figure 11.** The right side door back is shown.



**Figure 12.** The interior door painting was beautiful.

Figure 12 provides a close-up view of the interior mural, which is undoubtedly labor-intensive hand-painted artwork.

The lock on the double day doors was missing, so these doors were opened easily. The interior of the safe was mostly empty regarding shelving and original



**Figure 13.** Six interior boxes needed to be opened.

cabinets. There were six single-nose safe deposit-type boxes mounted in the center of the safe (Figure 13). I gave the customer a price to open these boxes, and he decided to think about it.

I also provided an estimate to service the main door lock and set a new





**Figure 14.** The main door lock is shown.



**Figure 15.** The lock bolt is extended.



**Figure 16.** The lock bolt is retracted.



**Figure 17.** The lock cover is removed.



**Figure 18.** The lock is in exploded view, showing the 2.5" wheels.

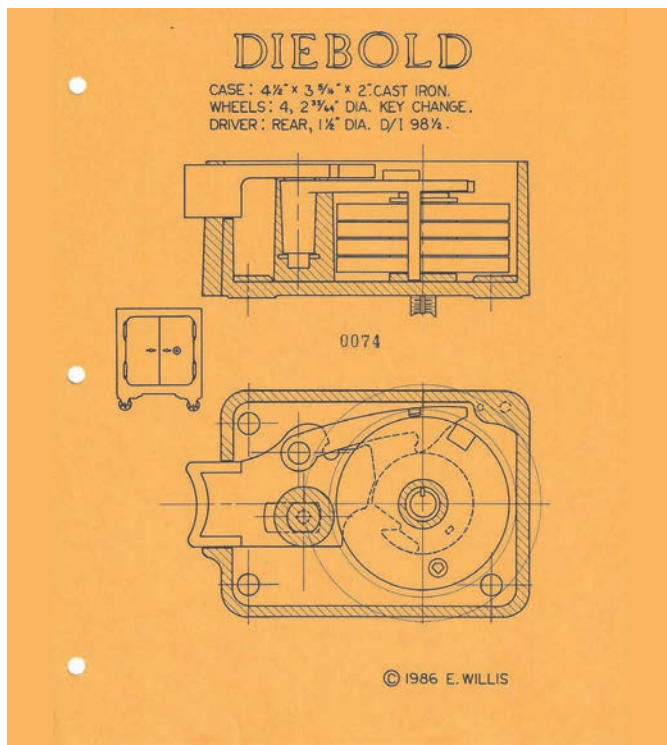
combination. Removing the door pan revealed the key change safe lock (*Figure 14*). These lock bodies are larger than modern safe locks. This one has a notched locking bolt. *Figure 15* shows a close-up view of the locking bolt in the locked position, and *Figure 16* shows the

locking bolt in the retracted position. In *Figure 17*, I have removed the lock cover, and you can see the drilled hole used to scope the wheels. I could have drilled the scope hole a few numbers higher, but not any less.

*Figure 18* is an exploded view of the

lock. The wheels measured 2.5" in diameter. I found a drawing of this lock in Ed Willis's drawings (*Figure 19*). Ed's drawings show that you have a large window (from 65 to 70 on the dial) to drill a transfer hole. You can also drill above the lever for a direct view of the





**Figure 19.** The author used this Ed Willis drawing of the Diebold lock. ©MBA USA, Inc. Used by permission.



**Figure 20.** The modified Vise-Grips from *Figure 18* are removing the hinge pin.

fence, but you need to be very precise in your drilling, and your repair will be more noticeable.

### Working on the Interior Boxes

By the time I had the outer door serviced and a combination set, the customer decided to have me open and make keys for the six interior boxes. He was hoping they were all keyed alike, but I told him that was unlikely.

It appeared that the third door had some previous work done on its hinges, so I opened that door first. I removed the hinge pins and tried to shoehorn the door open (*Figure 20*). After removing the hinge pins, there appeared to be a hinge interlock in the center of the door, and the door would not open.

There was room to insert a saw blade and cut the single pin. After I cut the pin, it popped out a little and was still blocking the door from being opened. It turns out, this was a spring-loaded pin to assist with opening the door. There was an



**Figure 21.** Door three is opened and repaired.

interlock on each hinge that prevented the shoehorn idea from working. It was time to drill.

Not knowing what lock it was, I drilled an exploratory hole at about 8 o'clock and used a scope to find the lock fence.

*Figure 21* shows door No. 3 after opening and repairing. We removed the lock from door No. 3 and took it to the shop to make keys. We tried the key in the other door locks, but it didn't work with any of them.

We now knew exactly where the key



**Figure 22.** The top key is a prepped blank, and the bottom key is a pick key.

lock fence was for drilling ( $\frac{1}{2}$ " up and  $\frac{1}{2}$ " toward the opening edge of the door) and the size of the cutouts in the levers.

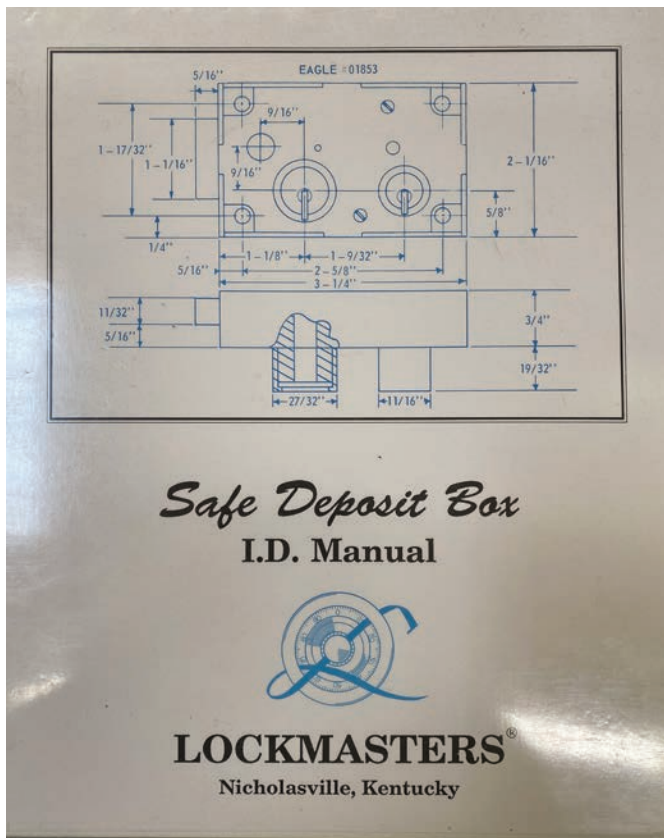
*Figure 22* shows a prepped key blank on top and a pick key on the bottom. I drilled a hole just the size of the lever cutout and used the pick key to move one lever at a time, starting with the lever closest to the front of the door. As we moved each lever one at a time, the  $\frac{5}{64}$ " ball Allen wrench moved into the lock a little more as the wrench moved into the lever cutout. This continued



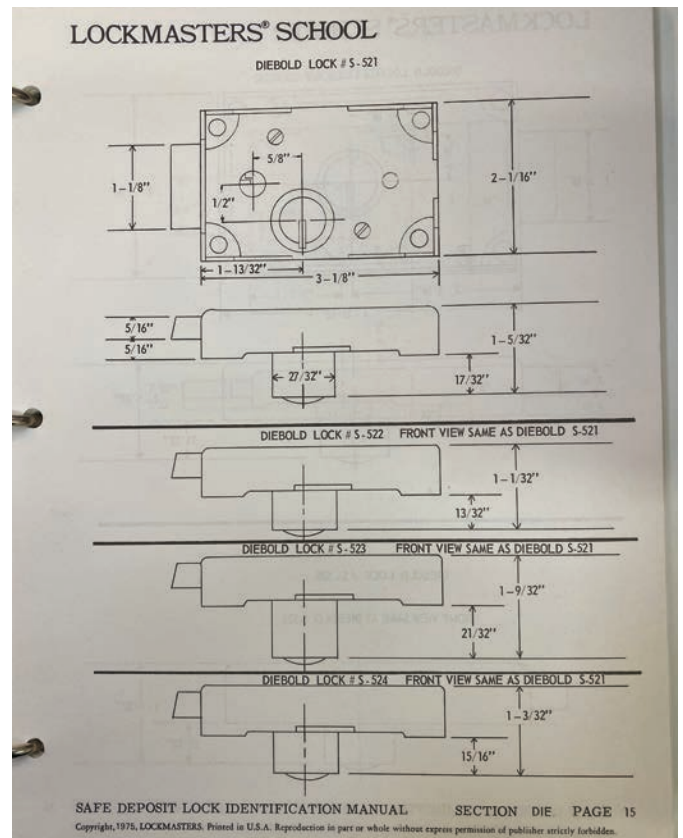
**Figure 23.** By the time the author had drilled door No. 5, he had the drill point down pat.



**Figure 24.** Door No. 6 is left hand, not right hand.



**Figure 25.** The author used Lockmasters' *Safe Deposit Box Identification Manual*.



**Figure 26.** The author found a match. *Used with permission from Lockmasters.*

until all six levers were in a line with the fence. Then I pulled the pick key almost completely out of the lock and used the tip to move the lock bolt to open the door.

By time I drilled door No. 5, I had the system down (Figure 23). When I got to

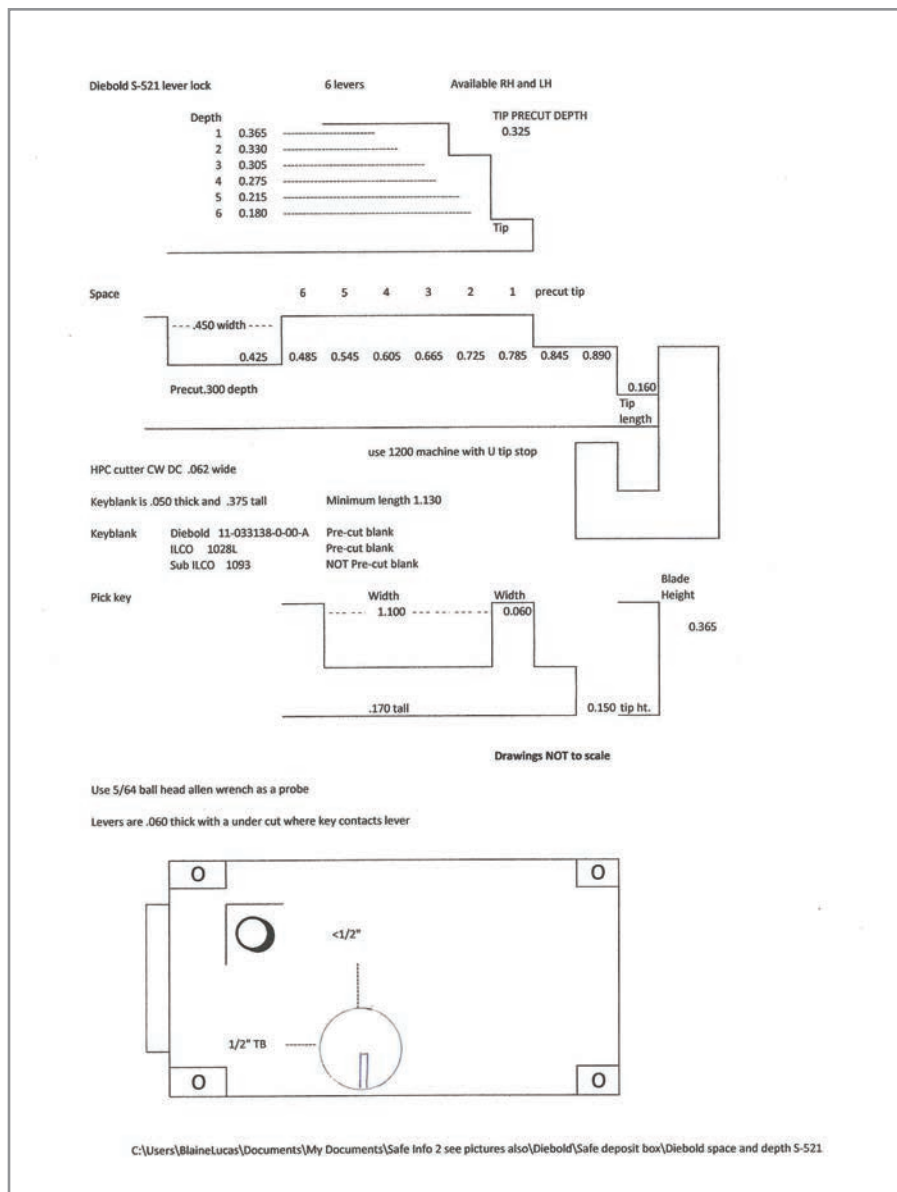
door No. 6, I was on autopilot and didn't notice this door was left-hand. All the other doors were right-hand doors (Figure 24). This door took two holes to open it. I took all the locks back to the shop to make keys.

I found a match to this key lock in the

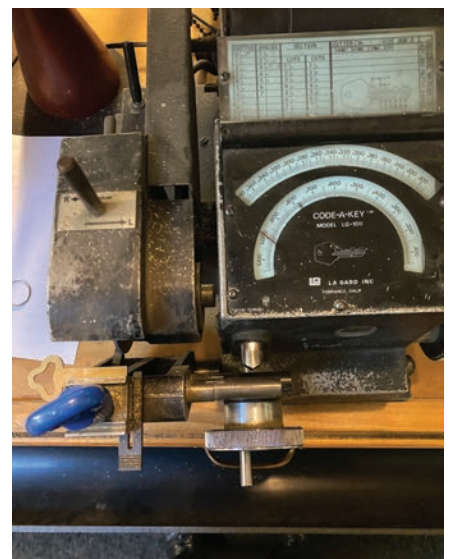
Lockmasters Safe Deposit Lock Identification Manual (Figure 25). On page 15, Diebold Lock #S-521 (Figure 26) was a perfect match. The same lock body is available in different nose lengths.

I used the LA GARD (later brought by HPC and named the HPC 1200) code





**Figure 27.** The space and depth info are shown for the S521 lock.



**Figure 28.** The author is using the old LA GARD to cut the keys.



**Figure 29.** The drilled hole at 65 is repaired.

machine to cut the keys. I used the universal micrometer card 58 with cutter CW DC. The blank I used was an ILCO 1093. The Diebold original key blank (11-033138-0-00A) comes pre-cut with tip cut and throat (ward) cut. The ILCO equivalent is 1228L. When I made the keys for the lock for door No. 3, I measured the keys specs. Since I had to make keys for six locks, I took the time to make a space and depth chart (Figure 27). I used the LA GARD (bet-

ter known as the 1200) black horseshoe key stop and tip stopping the key to cut the keys (Figure 28). I repaired drilled the opening hole in the main door using some SteelStik and a black Sharpie (Figure 29).

I find it fun and challenging to open these older safes. This one was especially interesting, as the reseller's and buyer's names could be researched. This safe went from being just another safe opening to one I could put a "face" to. 🧐



**Blaine Lucas, CJS, CML, CPS, ARL**, is a third-generation locksmith and president of Foothill Locksmiths, Inc., which offers security solutions

to residential, commercial and automotive customers throughout the East Bay in Hayward, California. Blaine's grandfather founded the company in 1956. Blaine was 12 years old when he started working with his grandfather on Saturdays.

# DECODING LOCKSMITH CODE PROGRAMS: *GENERICODE*

**Sal Dulcamaro** provides details for the online version of Genericode.

**I** STARTED MY ARTICLE SERIES ON LOCKSMITH CODE PROGRAMS IN THE December 2021 issue of *Keynotes*. The first article was devoted to Codes On Line (COL) from Blackhawk Products. The second program I am reviewing is Genericode, which is distributed by Framon. I'll continue with other locksmith code programs in the coming months.

Genericode is a well-established locksmith code program that is regularly updated. Obviously, back in the day, code programs came in printed form. In days past, the high-tech version of codes was available in microfiche, which required a microfiche reader. The most popular printed codes were the HPC and Reed codes. The very early versions were very small and contained a much more limited variety of codes. The Reed code system evolved into two groups of codes in a binder format: general and padlock codes.

HPC codes came in a different printed format and were not organized the same way. There were also printed codes for the Curtis clipper primarily aimed at automotive codes, which the Curtis clipper was mainly designed to cut. Although the Curtis clipper mostly created vehicle codes (automotive and motorcycle), they also could cut some padlock and auxiliary keys. A few other companies also made printed codes, but HPC and Reed codes were the longest-lasting and most regularly updated.

The printed Reed codes eventually encompassed more than 10 binders of general codes and three-plus binders of padlocks codes. For a while, updates to existing codes were added by removing and replacing pages of the codes. Totally new code series were just added, and if enough new codes came out, a new binder was added.

## Genericode Origins

Genericode was originally based on the printed Reed codes. Gale Johnson effectively took the Reed codes that came from Bill Reed's family and put them in a computer-accessible format. Genericode, as with many other computerized codes, evolved over time and became more versatile and convenient. Gale Johnson has recently passed

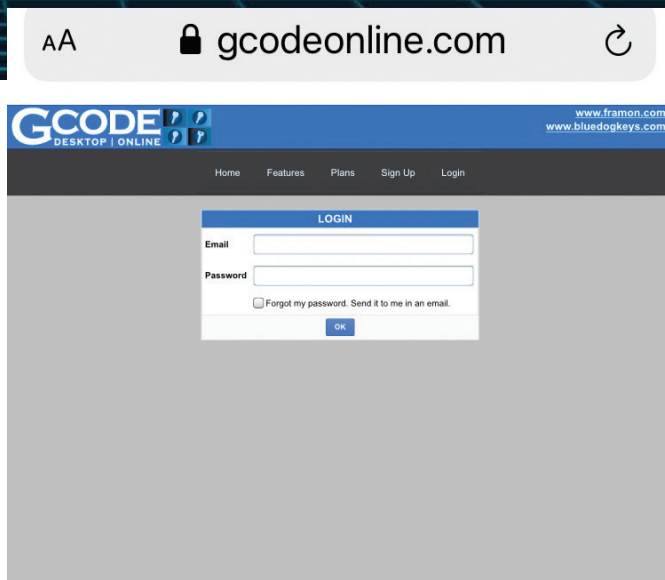
away, but Genericode has come under the direction of Framon and Phil Agius.

Printed codes have become mostly obsolete and replaced by computerized codes, which have been around for decades now. Some versions just faded away by not being adapted to newer computer operating systems.

Updates for computerized codes are more convenient to the user than with printed codes. With printed codes you would physically replace pages of incomplete code series or just add new pages to a binder for a new series. Updating the index was often trickier.

Computerized codes are typically more convenient on quite a few fronts — one way being that the internal index or search function updates automatically so you can locate new or updated codes. Also, looking up a code became almost instantaneous. In printed format, you would first look in the last volume to see what volume and page to find the code series you needed. Once you had that information, you would then pull out the correct volume and turn to the page indicated for the code series. It could easily





**Figure 1.** This is the opening screen of Gcodeonline.

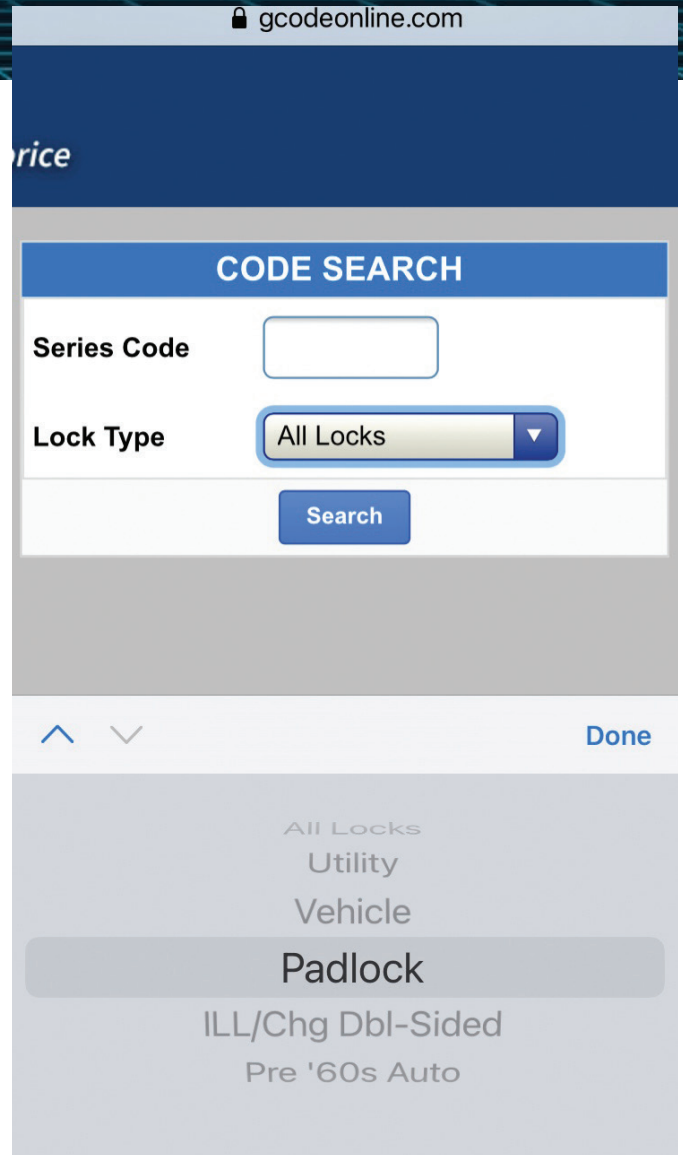
take five minutes or more to locate your code.

Five minutes is not that much time if you compare it to the time needed to disassemble a lock to fit the key manually, if there was no code. Computers often spoil us. Five minutes or more compared to just seconds can be a time saver.

But an interesting thing about computers is that when everything is going right, you have smooth sailing and major convenience. But when your computer makes trouble for you, there are very few nightmares that compare. When you don't have power or your computer is on the fritz, you may not have a backup plan. The one advantage of printed codes is that you don't need electricity to read them.

## Genericode Basics

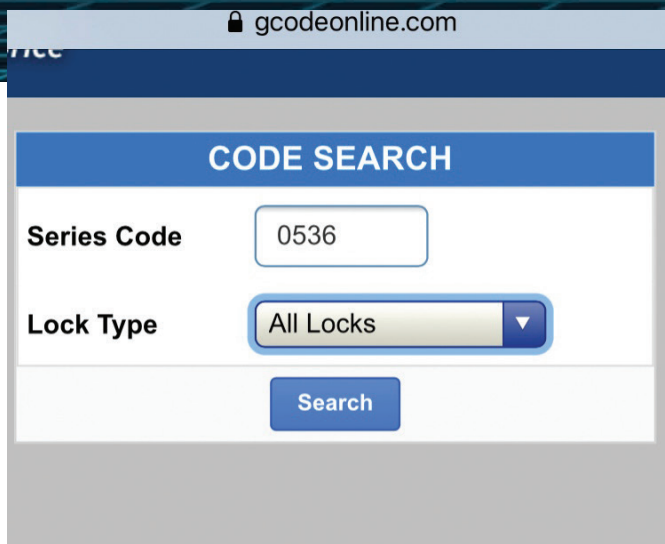
Now let me get to the specifics of using Genericode. I will use the same Master padlock code that I used in the Codes On Line article to compare how they work. First, some basic differences. Way before the wide use of smartphones, which are effectively powerful computers that fit in your pocket, all computerized codes were made to operate on a desktop (or laptop) computer. As with Codes On Line, Genericode is accessible on your smartphone as Gcodeonline. However, Genericode is still available as an installed computer program that doesn't require internet access. They are separate programs, and you can choose to buy either or both. Blackhawk, as far as I know, no longer sells the desktop version of its codes. If you have an old Blackhawk code program on your computer, I suppose you can still run it, but I don't think they offer annual updates anymore. None of the subscription-based code programs need annual updates



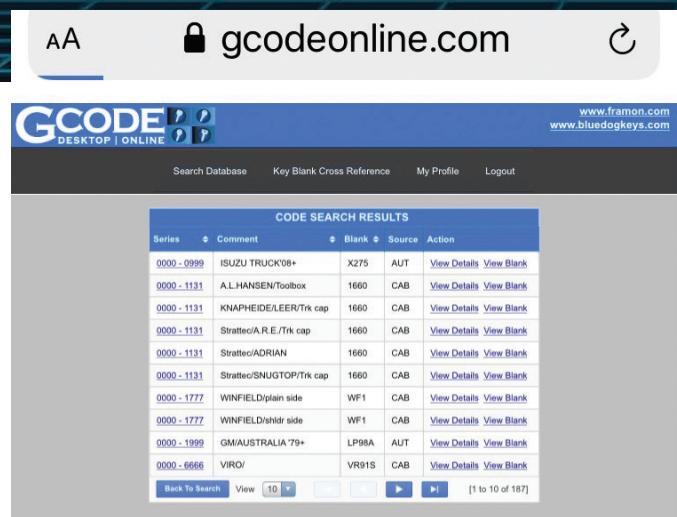
**Figure 2.** These are the subcategories of the "All Locks" search.

because they update throughout the year to stay current. I will start with Gcodeonline and intermingle the desktop version.

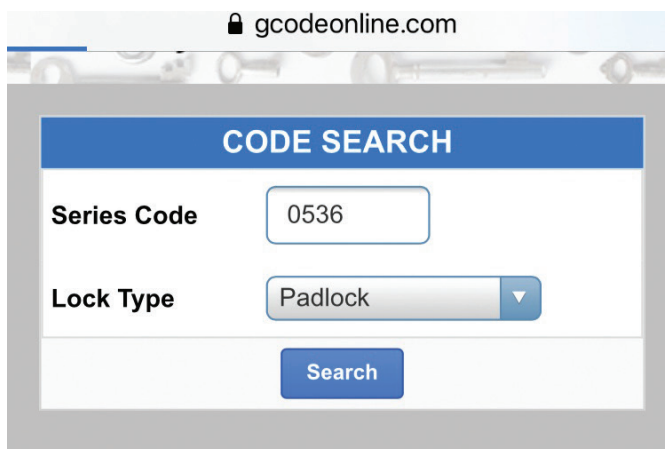
You have the option of either starting at [www.framon.com](http://www.framon.com) and clicking on the link to Gcodeonline or going directly to [www.gcodeonline.com](http://www.gcodeonline.com) to access the code program. Once you are at Gcodeonline, you'll see the opening screen (Figure 1) that asks for your email address and password that you set up with your annual subscription. Once you're logged in, you'll see a blank requestor for you to enter your desired code. Just below it, for Lock Type, it indicates "All Locks." Below that, you see the command "Search." A closer view (Figure 2) shows the subcategories to "All Locks." As indicated earlier, I'm using the same Master padlock code I used in the Codes On Line article. The subcategories for



**Figure 3.** The author has entered the Master padlock code of 0536.



**Figure 4.** The search produced the first 10 code series of the 187 possible different code series without filtering.

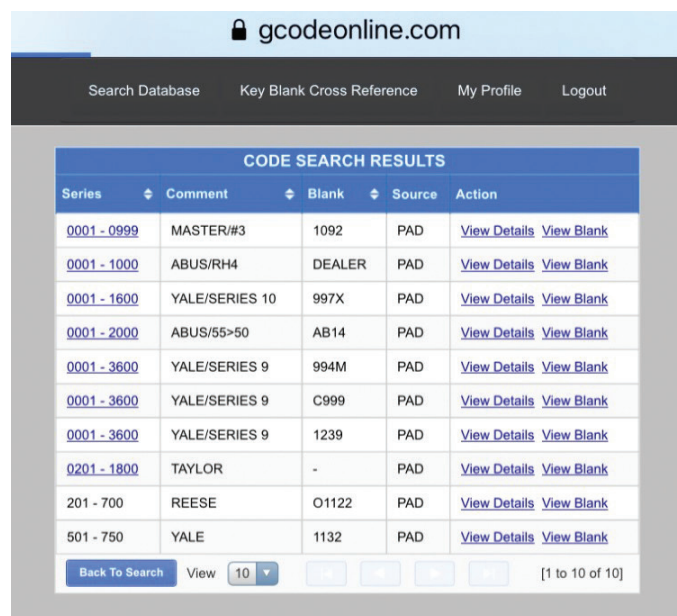


**Figure 5.** The author redid and narrowed the search by selecting the subcategory of “Padlock.”

searching include Utility, Vehicle, Padlock, ILL/Chg Dbl-Sided and Pre '60s Auto. I entered the Master padlock code of 0536 (Figure 3), but I initially left the general category where it would search every possible code series that contained that code number. After I clicked on “search,” I got the first 10 code series of the 187 possible different code series without filtering (Figure 4).

I then redid and narrowed the search by selecting the subcategory of “Padlock” (Figure 5). This time, I only got a total of 10 series, and they were all padlock code series (Figure 6). Master #3 padlock is the series listed at the top.

In the far-right column, there are two action options: View Details and View Blank. I selected View Blank and got the screen that showed a physical depiction of the Master padlock key blank (Figure 7). When I went back and selected View Details, I got a much different screen (Figure 8). For Key Details on the



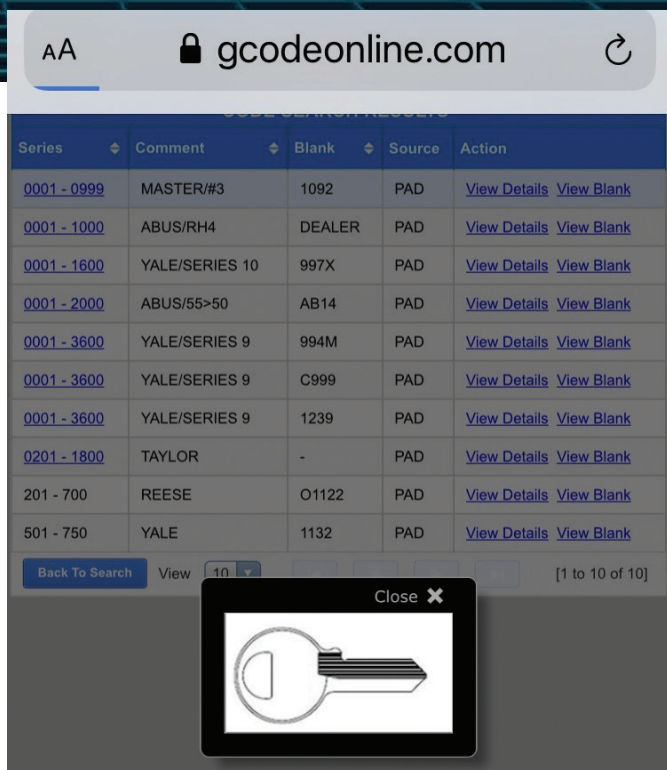
**Figure 6.** Selecting “Padlock” produced only 10 series.

left side of the screen, there is listed the code series, the code number and the type of padlock, followed by the spacing and increment of the key cuts in thousandths of an inch.

Below that group of information is basically all the key cutting information you need to create the needed key by code. The cuts are the single-digit numbers that indicate the depth of cut. The spaces indicate the space positions, in inches, corresponding to the cut above it. The depths range from the shallowest to the deepest cut value for that code series, listed in inches.

The middle column lists the key blank used by manufacturer and the key numbering system of each brand. The last column





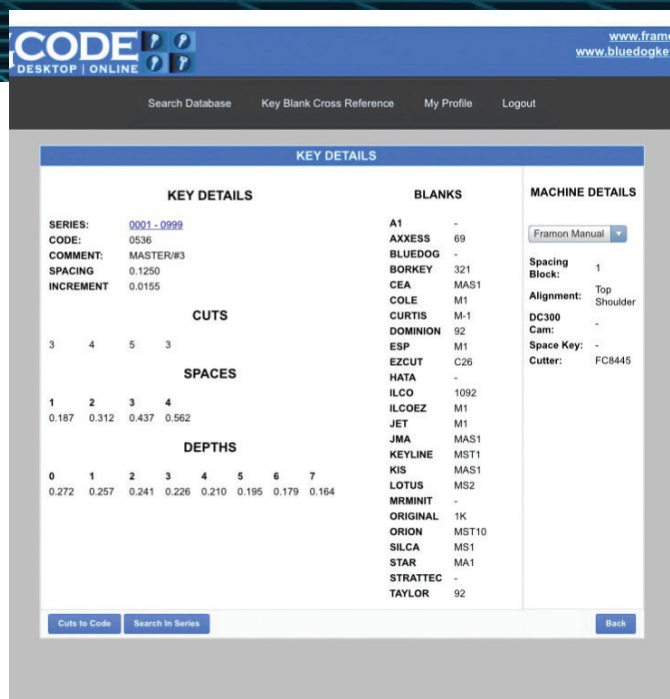
**Figure 7.** Selecting View Blank results in a physical depiction of the key blank.

lists “Machine Details,” which provides specs for each type of code key-cutting equipment and what accessories (if any) are needed to make the key in question.

Framon Manual, which you can see in *Figure 8*, indicates the specifications when using the Framon #2 manual code machine. This was my first-ever code machine. I bought it used for about \$500 nearly 40 years ago. I kept it for nearly 10 years and sold it for what I paid for it. I bought a new Framon #2 code machine quite a few years later, but it cost well over \$1,000.

This is one of the most rugged manual code machines around. You could virtually drop it on the floor, put it back on the counter and cut accurate keys. I couldn’t say that about any other code machine. Many are plenty accurate, but none can handle rough use like a Framon.

When you select other code cutting equipment in the menu, you get basically the same screen except for the last column, where the blanks are listed. There are nine other machines listed in addition to Framon Manual. Codemax is one of a few computerized code machines that show specifications in the Gcodeonline program. Curtis/Barnes is half recognizable to me. I am very familiar with the Curtis clipper. It uses various cams and carriages that work to set depth and spacing of key cuts and to hold a key blank profile securely in the jaw of the



**Figure 8.** On the View Details screen, you can see the code series, the code number, the type of padlock and other information.

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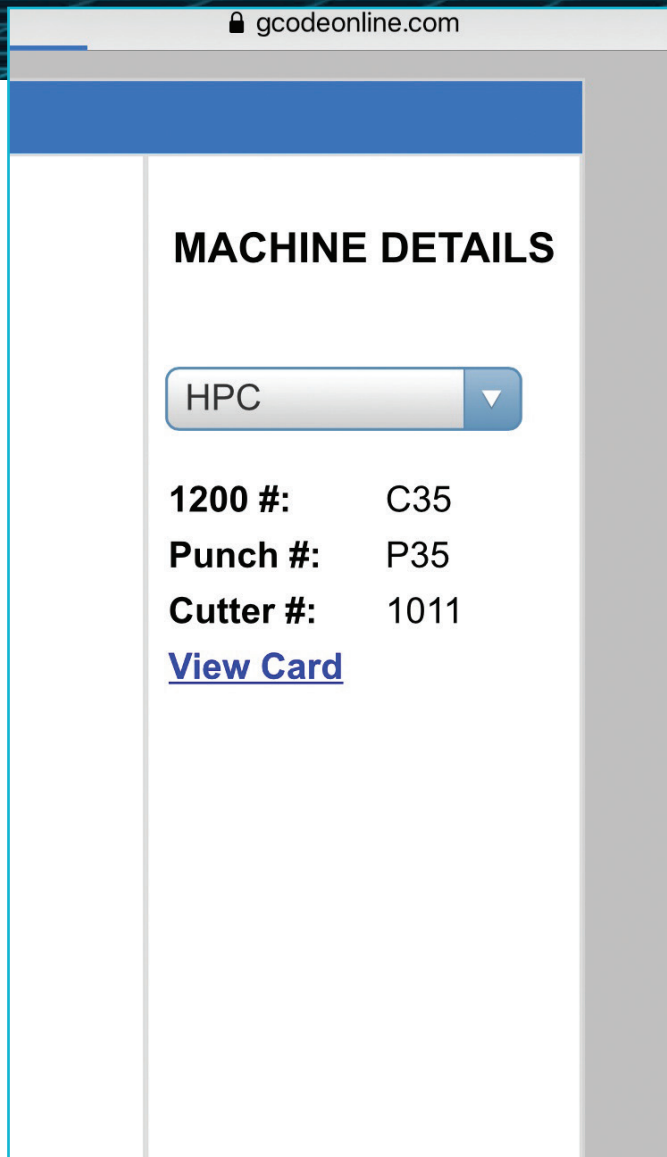
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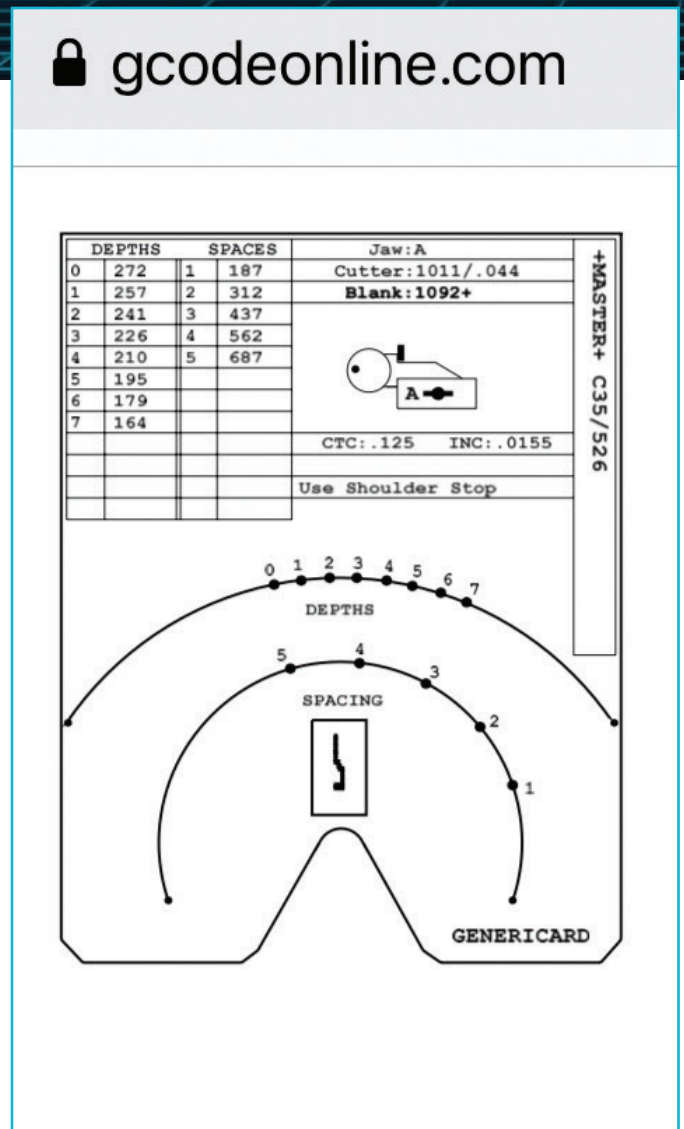


**Figure 9.** HPC uses code cards.

machine. Cams and carriages are removable and interchangeable, but the punch configuration is fixed in any specific Curtis clipper. That just indicates which version of the clipper you need to attach your cam and carriage to make it work properly. Barnes might be another brand of clipper but if it is, I'm not familiar with it.

Exacta is a small countertop key punch. The knob, plate, insert and punch are changeable accessories to the Exacta. Unlike the Curtis clipper, you can switch out the different profile punches in an Exacta machine. Ilco/Silca/Futura refers to motorized code machines. ITL is another computerized code machine. LKP can cut milled high-security keys.

Pak/Baxter lists the accessory kit for the A-1 Pak A Punch.



**Figure 10.** If you click on View Card, the screen will display the layout of the code card.

A-1 went out of business some years ago, and I don't know the level of availability for the varied accessories needed to cut keys with that punch-type code machine. Baxter, as far as I know, would be depth and space keys. It doesn't seem to list a depth key set. Sidewinder 2 indicated Details Not Found because the Master padlock key is not a sidewinder key.

The last one, HPC (Figure 9), uses code cards. The HPC 1200CM is the motorized code machine, and the Punch is a portable punch-type code machine that cuts a very wide variety of keys. The specifications indicate the original-brand code card numbers. If you click on View Card, the screen will display the layout of the code card (Figure 10). I printed the code card from my iPhone (Figure 11) and compared it to an



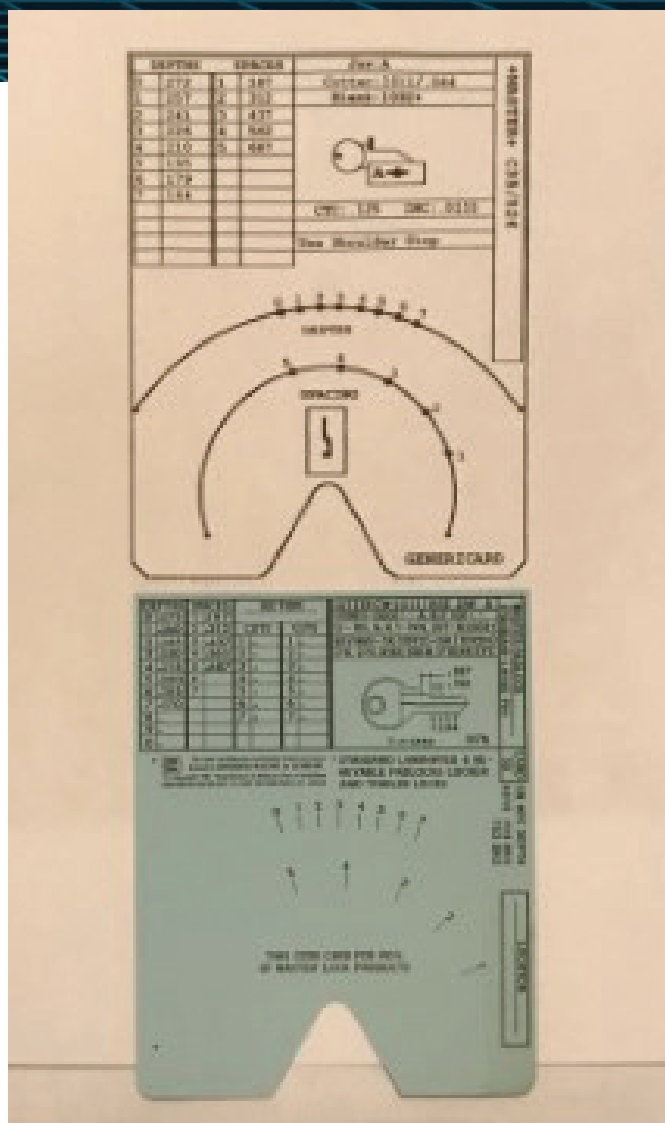
**"This is one of the most rugged manual code machines around. You could virtually drop it on the floor, put it back on the counter and cut accurate keys."**

original HPC card — they matched. It prints cards only for the motorized code machine. For the punch, you only get the card number.

Gcodeonline is accessible on any device with internet access: smartphone, tablet or desktop/laptop computer. The desktop-only version of Genericode will run on your desktop or laptop, but unlike Gcodeonline, you don't need internet to use the program. While the two versions are not perfectly identical and the screens will look a bit different, they have mostly the same features and functions. In part two of this article, I will show you the desktop version of Genericode. 📧



**Sal Dulcamaro** started out in locksmithing in 1975 at age 17. He first practiced as a commercial locksmith before becoming an institutional locksmith in May 2014 for a large hospital. He has been a technical writer for more than 30 years, with more than 300 magazine articles published. He previously served as a contributing editor and a technical editor for Reed's Security Reporter.



**Figure 11.** The code card printed from the program matches the original HPC card.



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# Striking Out

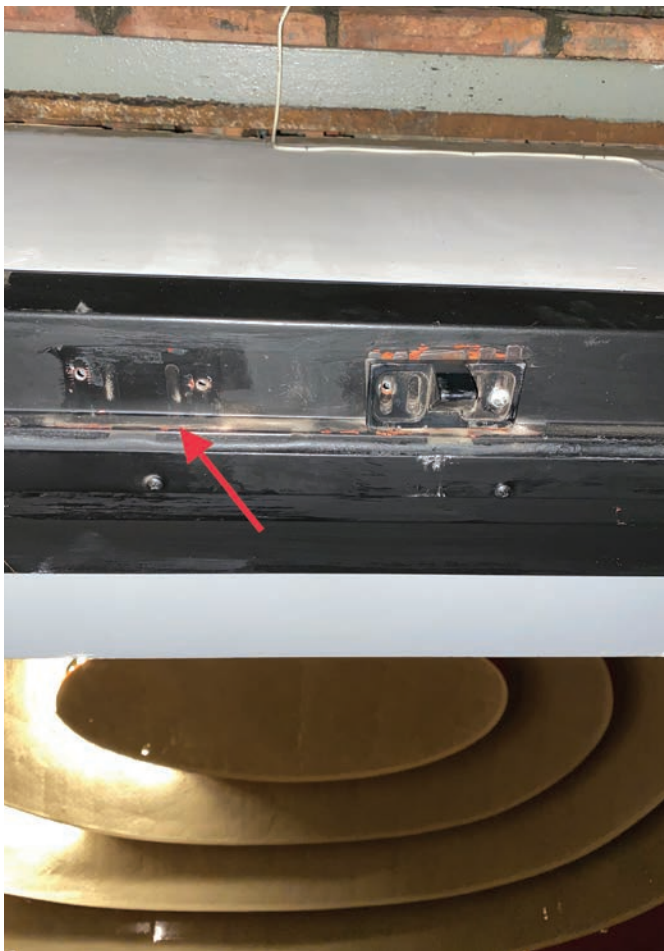
**Tony Wiersielis, CPL, CFDI**, deals with a missing strike and other issues in his institutional work.

**R**ECENTLY, AT THE UNNAMED COLLEGE IN MANHATTAN, I HAD TO deal with an old Yale panic device that needed to be replaced. This was an old Yale “drop bar” panic device on an auditorium door. By “drop bar” I mean that it had a round tube as a push bar that extended out and below the horizontal centerline. You’ll see what I mean shortly. It had concealed vertical rods, and you’ll see me getting the rods out of the door without having to take the door down.

The issue that caused this is on the left in *Figure 1*. The strike was missing, and Yale doesn’t make these bars anymore. To the right you can see what the strike for the

other door looks like, though it’s hard to make out. The circles at the bottom of the picture are on the ceiling of the auditorium. *Figure 2* provides a view of where I was working.

*Figure 3* is an around-the-neck adjustable work light. Despite what you saw in the first two pictures, the area around the doors was fairly dark, and I needed



**Figure 1.** The strike was missing, and Yale doesn’t make these bars anymore.



**Figure 2.** This image shows where the author was working.





**Figure 3.** The author used an around-the-neck adjustable work light.



**Figure 4**

**Figures 4 and 5.** Here are the blank outside trim and one of the pivots on which the door swung.



**Figure 5**



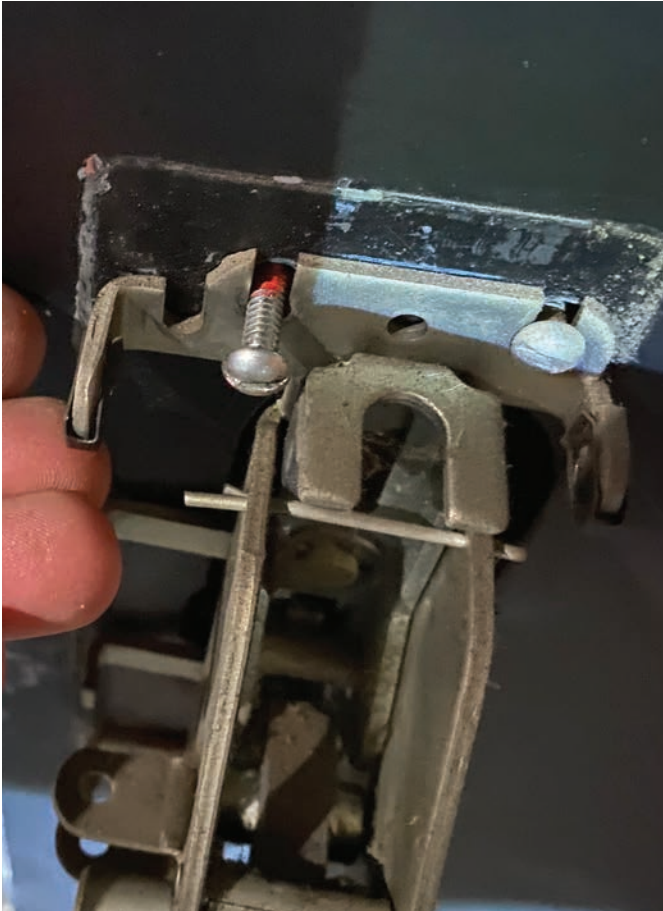
**Figure 6.** The author is removing one of the screws that holds the “drop bar” on.

the additional light. It required interesting maneuvers to take the rest of the pictures while trying to illuminate them with the light.

Figures 4 and 5 show the blank outside trim and one of the pivots on which the door swung. The pivots are one of the

reasons I hoped I wouldn’t need to take the door down (that, and I usually work alone). Figure 6 shows what I meant by “drop bar” as I’m removing one of the screws that holds it on. That’s probably not the technical term for it, but that’s what I was taught.

For the newbies, the key to staying out of trouble while removing concealed vertical rod panic devices is to never, ever let the bottom rod drop into the door. This is not applicable to every brand of bar, as some of them won’t drop to where you can’t pull them out. But, for the ones



**Figure 7.** One of the screws is loosened to give you an idea of how the bar is attached to the door.



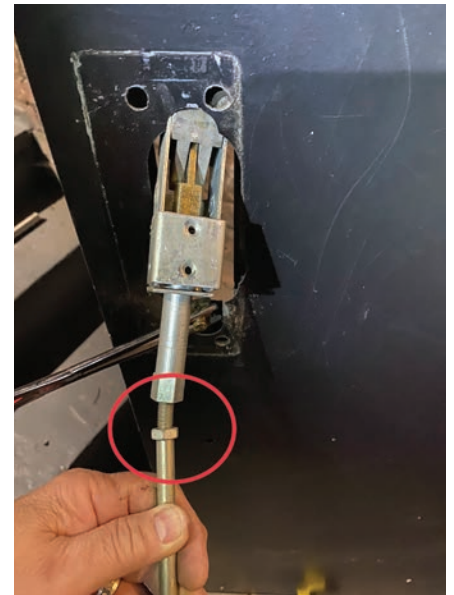
**Figure 8.** The two red arrows point to either side of the "E" clip that attaches the head to the two rods.



**Figure 9.** The author's forceps are holding up the bottom rod from the outside. Notice the the size of old prep, which the new bar isn't going to cover. A caveat: Avoid bumping the forceps and jarring them loose.



**Figure 10.** The author has changed position of the forceps so he can pull down the top rod and latch.



**Figure 11.** The top latch is almost out of the prep. The red circle highlights how he had to bend the rod to get the latch out.





**Figure 12.** The bottom rod is removed.



**Figure 13.** The author is about to mark the horizontal centerline for the bar.

that can drop, they will often drag on the floor as the door swings, and you can't have that nonsense going on. That's when you'll wind up taking the door down, especially if the bottom bolt falls below its guide bracket.

As I take this apart, you'll see how I keep the bottom rod from dropping. If you don't have needle-nose locking pliers and a large forceps, you need to get them. Harbor Freight sells the forceps at a fairly cheap price, but I'm not overly fond of most of their tools; they're cheaply made.

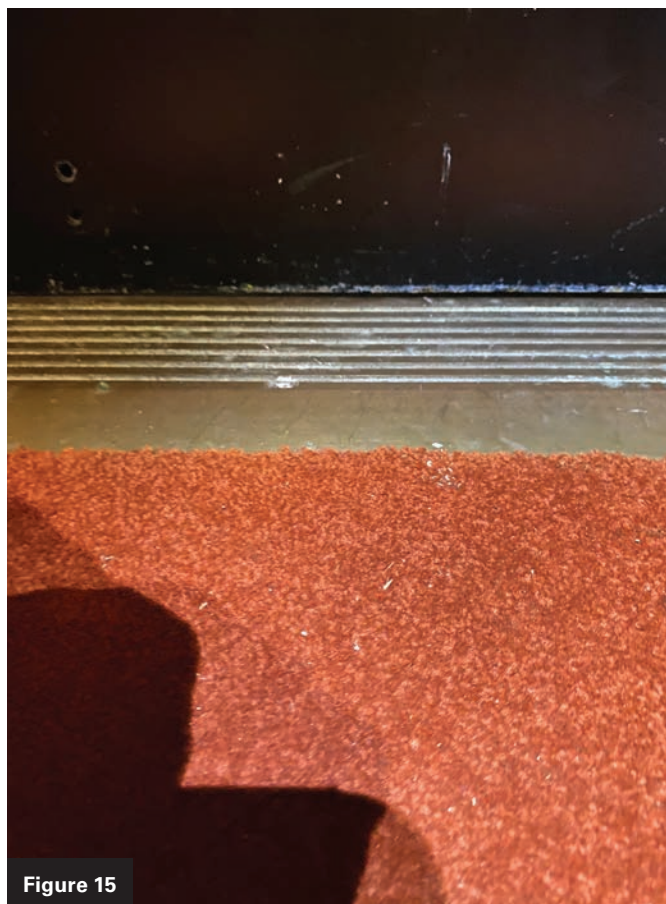
Figure 7 shows the head of the bar with

one of the screws loosened to give you an idea of how it's attached to the door. In Figure 8, the two red arrows point to either side of the "E" clip that attaches the head to the two rods. That's an awful lot of grease. And really old grease at that. Figure 9 shows my forceps holding up the bottom rod from the outside. Notice the size of the cutout, which the new bar isn't going to cover. We'll get to that part later. One caveat: You don't want to accidentally bump into the forceps/pliers and jar it loose.

In Figure 10, I've changed position of the forceps so I can pull down the top

rod and latch. Figure 11 shows the top latch almost out of the prep. The red circle highlights how I had to bend the rod to get the latch out. Figure 12 shows the bottom rod removed; it came out with no trouble.

In Figure 13, I'm about to mark the horizontal centerline for the bar. The instructions state "39 <sup>15</sup>/<sub>16</sub> from the finished floor." This is a constant for PHI surface vertical rod panic devices and is a critical dimension. You don't need to cut the bottom rod and should never do so, but you sometimes must cut the top rod to fit the door. The bars are ordered according



Figures 14 and 15. Figure 14 shows the floor, but Figure 15 shows the saddle on top of the floor.



Figures 16-18. These images show the old prep on the inside of the door, the push plate installed and the holes drilled for the head of the bar.





**Figure 19.** This new blank trim is going to be installed on the outside of the door once the outside push plate is installed.



**Figure 20.** This glass door wouldn't close properly.

to the height of the door, and you always want to have a longer top rod if the door is an odd size.

About the finished floor: *Figure 14* shows the floor, but *Figure 15* shows the saddle on top of the floor. Note the gap under the door without the saddle. You want to measure from the saddle, if there is one, instead of the floor — despite what the instructions

say. Always take this measurement with the door closed.

*Figures 16-18* show the old prep on the inside of the door, the push plate installed and the holes drilled for the head of the bar. *Figure 19* is the new blank trim that's going to be installed on the outside of the door once the outside push plate is installed.

At this point, I have to stop until next issue. I was planning to go back to the

door and take more pictures to finish this part of the article. Unfortunately, I lost a family member and didn't get a chance to go back and do that.

## Herculite Issues

*Figure 20* is a shot of one of the glass doors on a building at that college in Pennsylvania. The call came in telling me that it wouldn't close. When I got there, the





**Figures 21 and 22.** *Figure 21* shows the top, pivot side of the door in relation to the glass frame, and *Figure 22* shows the other door in relation to its frame.



**Figure 23.** You can see the pivot and the bracket on the affected door.



**Figure 24.** This Allen wrench is inserted through an access hole to loosen one of the two screws that hold on the button.



**Figure 25.** The red arrows point to the keyhole where the loosened screws pass through.



**“For the newbies, the key to staying out of trouble while removing concealed vertical rod panic devices is to never, ever let the bottom rod drop into the door.”**

bottom lock side of the door was dragging on the rug, and the door had to be picked up to move it. *Figure 21* shows the top, pivot side of the door in relation to the glass frame, and *Figure 22* shows the other door in relation to its frame. You can see the difference.

*Figure 23* shows the pivot and the bracket on the affected door. I’ve worked on these types of doors a lot, but not lately, and I haven’t seen anything like this. I was scratching my head about how this was supposed to work and wondering if some mistake was made when it was originally installed or a part was missing.

We decided the best option was to call the glass company that serviced the college and have them come out ASAP. Since the door wouldn’t move and the door operator was still attached, we decided to disconnect the handicap buttons on both sides of the door. The last thing we needed was some student pushing the buttons and burning out a motor or shifting the door. We hazard taped it, placed cones around it and propped open the

other door so no one would be tempted to try to open the bad door.

*Figure 24* shows a small Allen wrench inserted through an access hole to loosen one of the two screws that hold on the button. I disconnected the wires (*Figure 25*) and reinstalled the button. The red arrows point to the keyhole where the screws I loosened pass through; you don’t have to completely remove them to get the button off. ☺



**Tony Wiersielis, CPL, CFDI**, has more than 37 years of experience and has worked in most phases of the trade throughout the New York metropolitan area. He was named *Keynotes* Author of the Year for 2016 and serves as ALOA’s Northeast Director. Reach him at [aew59@juno.com](mailto:aew59@juno.com).

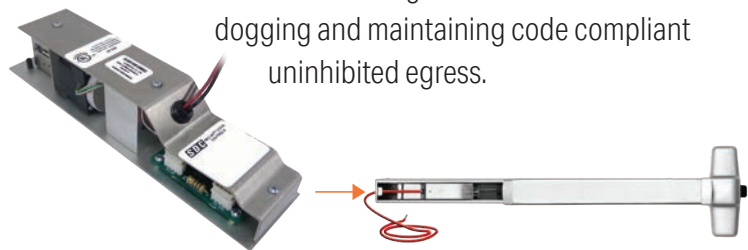
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# What Happens in Vegas...

By Jim Hancock, CML, CMST

**W**E ALL KNOW THE RELATIVELY GENIUS MARKETING CAMPAIGN from many years ago where the tagline finished with “stays in Vegas.” For some heading to the glitzy diamond in the desert, it’s totally possible you might not want to share everything when you return to the non-neon-filled life that most of us inhabit — that is, if you’re bent on spending hard-earned dollars in the slot machines, at gaming tables, in sports books, all-you-can-gorge buffets, headliner shows and all the other things available where the Rat Pack used to rule.

But July 24-30, the catchphrase will be “What Happens in Vegas Can Help Your Career Unless You Don’t Attend.” ALOA 2022 makes its return to the South Point Hotel & Casino for what we feel will be an incredible week of training and an awesome tradeshow. This includes (at this writing) five new automotive classes — along with updated info in our returning automotive classes — all focused on highlighting the new division: the International Association of Automotive Locksmiths (IAAL). Or, for us lazy folk, the I-double-A-L.

There will be over 392 total hours of education offered by recognized subject matter experts in the industry, covering a great deal of subjects for nearly every level of technician and even owners.

After a week of classes, there will be the annual Kick-Off Party with food and beverages. This is a great chance to mix and mingle with others and enjoy a bit of a respite from a hard week of training. This year’s entertainment will include a pole dancing

competition featuring the ALOA Board of Directors and a giant five-pound-burrito-eating contest with the ALOA staff. (Just kidding... wanted to see if you were paying attention.)

So, bottom line is that ALOA 2022 at the South Point Hotel will be informative, educational and, dare I say, fun. Take a look at the brochure included with the hard copy of this issue of *Keynotes*, or take a look online where you can also register.

But you know, if you don’t attend, then *whatever happens in Vegas...* ☺



**Jim Hancock, CML, CMST,** is ALOA’s education manager. You can reach him at [jim@aloe.org](mailto:jim@aloe.org) or (214) 819-9733.





# ALOA

ALOA Security Professionals Association, Inc.

# Membership Application

## CANDIDATE PLEASE TYPE OR PRINT

Name: ☐ Mr. ☐ Mrs. ☐ Ms. First \_\_\_\_\_ Last \_\_\_\_\_ MI \_\_\_\_\_ Designation \_\_\_\_\_

Business Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Country \_\_\_\_\_

Work Phone \_\_\_\_\_ Home Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email Address \_\_\_\_\_ Website \_\_\_\_\_

Date of Birth (required) \_\_\_\_\_ Place of Birth \_\_\_\_\_ Social Security # (required) \_\_\_\_\_

US Citizen? ☐ Yes ☐ No If No, citizen of what country? \_\_\_\_\_

ALOA occasionally makes its members' addresses (excluding phone numbers and email addresses) available to vendors who provide products and services to the industry. If you prefer not to be included in these lists, please check here: ☐

## PROFESSIONAL INFORMATION

Please check the description that best describes you (check all that apply)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Locksmith Owner     | <input type="checkbox"/> Automotive            | <input type="checkbox"/> Employee Technician              |
| <input type="checkbox"/> Electronic Security | <input type="checkbox"/> Security Professional | <input type="checkbox"/> Mechanical Door Locks & Hardware |
| <input type="checkbox"/> Institutional       | <input type="checkbox"/> Safes                 | <input type="checkbox"/> Investigative                    |
| <input type="checkbox"/> Other _____         |  |   |

Are you licensed to perform Locksmith/Access Control work in your state? ☐ Yes ☐ No If Yes, License # \_\_\_\_\_

Business License # \_\_\_\_\_ EIN # \_\_\_\_\_

Any other license held by applicant (Contractors Lic., Low Voltage) \_\_\_\_\_

Any other states you do business in and licenses held in those states \_\_\_\_\_

List all phone numbers used by your company/companies: \_\_\_\_\_

Number of Employees \_\_\_\_\_ ☐ Store Front Business ☐ Mobile Only

How did you learn locksmithing/access control? \_\_\_\_\_

How long have you worked in the locksmithing/security industry? \_\_\_\_\_

ALOA member Sponsor Name/Who introduced you to ALOA?

Sponsor Name (Required) \_\_\_\_\_ ALOA Number \_\_\_\_\_ Years known \_\_\_\_\_

Have you ever been a member of ALOA before? ☐ Yes ☐ No If Yes, when? \_\_\_\_\_ ID #, if known \_\_\_\_\_

Are you a member of any local locksmith association? ☐ Yes ☐ No If Yes, name of association: \_\_\_\_\_

Give the names and phone numbers of two industry-related references:

Name \_\_\_\_\_ Company \_\_\_\_\_ Phone Number \_\_\_\_\_

Name \_\_\_\_\_ Company \_\_\_\_\_ Phone Number \_\_\_\_\_

**IMPORTANT:** Have you ever been convicted of a felony? ☐ Yes ☐ No If yes, please give details on a separate sheet.

All convictions are reported to the Advisory Committee for review.

A routine background check is performed on all new applicants, unless you live in a State in which passing a background check is a part of the licensing requirements. Non-US citizen background checks are required. If you live in a country that does not allow third party background checks, you will be required to submit an authentic report upon request (no copies/duplicates allowed) before final membership approval can be granted. A copy of your business permit/license, license number, business card, company letterhead or suitable proof of employment in the locksmith/access control business must accompany application.

## TYPES OF MEMBERSHIP AND REQUIREMENTS

Check only one box from the categories listed below:

### Active Membership

Persons actively engaged in the locksmith/access control industry for a minimum of two years and have achieved one of ALOA's recognized program designations.

- |  |       |  |       |
|--|-------|--|-------|
| <input type="checkbox"/> US and US Territories | \$265 | <input type="checkbox"/> I elect to Go Green | \$235 |
| <input type="checkbox"/> International         | \$275 | <input type="checkbox"/> I elect to Go Green | \$205 |

### International Association of Investigative Locksmiths Membership

Must be an ALOA Member in order to join the IAIL.

- |  |      |
|--|------|
| <input type="checkbox"/> US and US Territories | \$55 |
|--|------|

### Probationary Membership

Persons undergoing training to qualify as an Active member, who have not received one of ALOA's recognized program designations. No person shall be a probationary member for more than three years.

- |  |       |  |       |
|--|-------|--|-------|
| <input type="checkbox"/> US and US Territories | \$265 | <input type="checkbox"/> I elect to Go Green | \$235 |
| <input type="checkbox"/> International         | \$275 | <input type="checkbox"/> I elect to Go Green | \$205 |

### Probationary Membership – No Sponsorship Required

Persons undergoing training that are new to the industry and do not know any Active member for sponsorship. Probationary period extended from 90 days to one (1) year. Probationary status lifted if sponsor acquired within year. Must obtain license if residing in State requiring licensure. A second background check will be performed by ALOA after 2 years of the 3 year maximum term. Any violation of ALOA Code of Ethics during probationary period will result in immediate termination of membership.

- |  |       |  |       |
|--|-------|--|-------|
| <input type="checkbox"/> US and US Territories | \$265 | <input type="checkbox"/> I elect to Go Green | \$235 |
| <input type="checkbox"/> International         | \$275 | <input type="checkbox"/> I elect to Go Green | \$205 |

### Allied Membership

Persons whose position in the locksmith/access control industry relates to locksmiths, and cannot qualify for any other class of membership.

- |  |       |  |       |
|--|-------|--|-------|
| <input type="checkbox"/> US and US Territories | \$265 | <input type="checkbox"/> I elect to Go Green | \$235 |
| <input type="checkbox"/> International         | \$275 | <input type="checkbox"/> I elect to Go Green | \$205 |

Note: Your application will be processed with a 90 day waiting period.

Any institutional locksmith not using his/her work address must submit a letter from employer stating that you are an institutional locksmith.

## DUES AND FEES

An application fee and the appropriate dues must accompany the application in order for processing to begin.

Application Fees Schedule:

US and US Territories .....	\$70
Canada, Denmark, Ecuador, New Zealand .....	\$160
Australia, Bahamas, Barbados, Belgium, Belize, Bermuda, China, France, Haiti, Philippines, UK .....	\$210
Israel, Korea, Papua New Guinea, Saudi Arabia, United Arab Emirates .....	\$360

Applicants from countries not listed must submit background check and report from local Law Enforcement with application.

## FINAL CHECKLIST

- |   |       |
|---|-------|
| <input type="checkbox"/> Required Proof of Employment in Industry | _____ |
| <input type="checkbox"/> Annual Dues Amount                       | _____ |
| <input type="checkbox"/> Application Fee                          | _____ |
| Total Amount Due  | _____ |

## METHOD OF PAYMENT

- ☐ Check   ☐ MasterCard   ☐ Visa   ☐ American Express   ☐ Discover

Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_ SEC \_\_\_\_\_

Print Name on Card \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

I understand and consent that in the course of reviewing this application ALOA may review publically available information for the purpose of verifying the information submitted and do a background check.

I certify that all statements are true and, if accepted as a member, I agree to abide by the rules, regulations, and Bylaws of ALOA, and further agree to adopt the Code of Ethics of ALOA as my own, and adhere to it to the best of my ability. Should my membership be discontinued, I agree to return my membership card and cease use of all ALOA insignia.

Signature \_\_\_\_\_ Date Signed \_\_\_\_\_

Dues, Contributions, Gifts are not deductible as charitable contributions for Federal income tax purposes. Dues payments are deductible as an ordinary and necessary business expense. However, donations made to the Legislative Action Network ARE NOT deductible as a charitable gift or business expense.

### Return to:

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### Stanley Security Solutions Inc.

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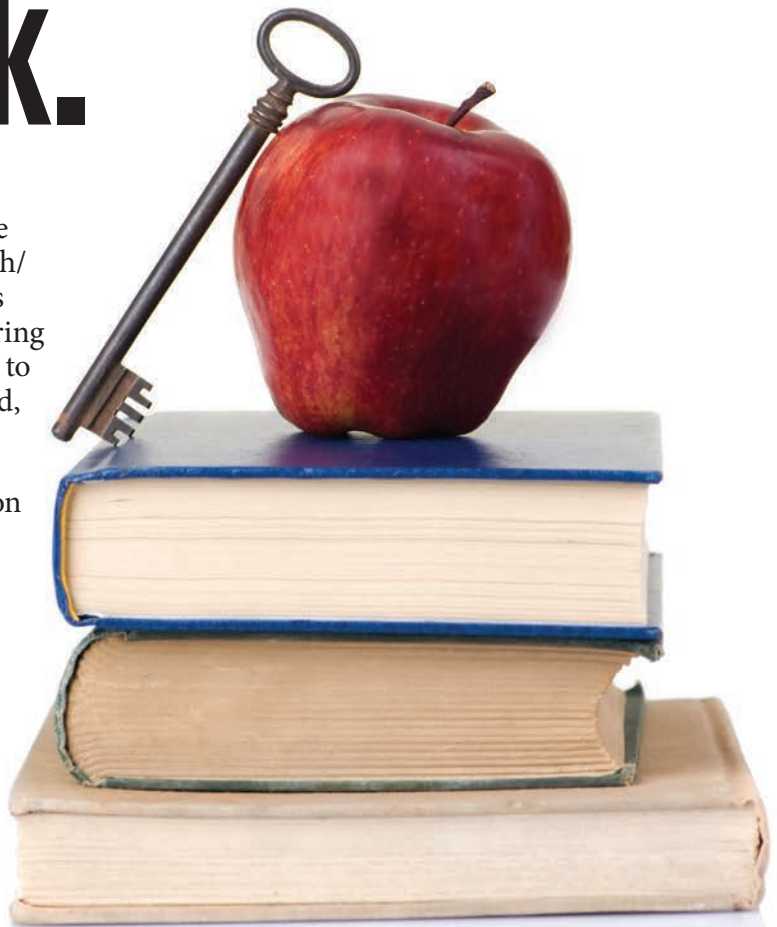
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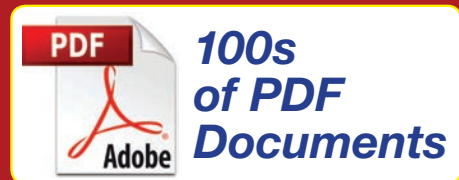


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