

Keynotes

April 2005

www.aloa.org

Inside:
Robert Scheuetrumpf, CRL
Conquers a *Complex* Institutional Job



PLUS!

Greg Perry reviews
Safetech 2005 and TruCenter,
The Harry Miller Story,
Eric Costley Revisits Spherical
Keying, T.F. Stern offers a
technologically-colored view of
locksmithing's future, and MORE!

*****SCH 3-DIGIT 303

Breck H. Camp CML

PO Box 47070

Atlanta GA 30362-0070

|||||



IT'S YOUR TRANSPORTATION, OFFICE,
AND LUNCHROOM.
YOUR INSURANCE COMPANY SHOULD BE
JUST AS VERSATILE.

Get commercial vehicle protection from Allstate.

We know just how important your vehicle is to your business and the many roles it plays. That's why your local Allstate agent offers a wide range of insurance

products for your small business, including commercial auto insurance. All designed to help keep your business rolling along. Are you in Good Hands®?

1-800-859-0247
CALL NOW TO LOCATE YOUR
NEARBY ALLSTATE AGENT.



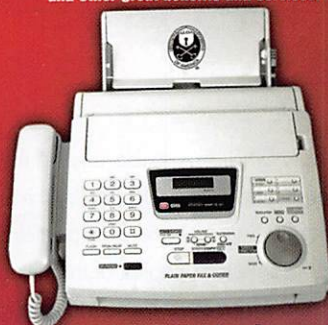
Allstate
You're in good hands.



Subject to availability and qualifications. Allstate Insurance Company and Allstate Indemnity Company, Northbrook, IL. Allstate County Mutual Insurance Company, Irving, TX. Allstate New Jersey Insurance Company, Bridgewater, NJ. The "Cupped Hands" logo is a registered service mark and "Our Stand" is a service mark of Allstate Insurance Company. © 2005 Allstate Insurance Company, Northbrook, IL.

Get What's Coming To You

ALOA continues to provide you with this
and other great benefits and services!



**Need information in a hurry?
Use ALOA's Fax On Demand service.**

Just call 310-575-5074 and receive:

1. ALOA Index of Documents
2. Becoming a Locksmith (1pg)
3. Locksmith Career Summary (3pg)
4. Locksmith School List (2pg)
5. ACE Class Schedule (8pg)
6. Certification Information (3pg)
7. PRP Category List (1pg)
8. ALOA Membership Application (2pg)
9. ALOA List of Benefits (1pg)
10. Scholarship Application Form (1pg)
11. ALOA Video Library Order Form (1pg)
12. ALOA Membership Items Order Form (1pg)
13. Safe & Vault Technicians Association Member Application/Subscription Form (2pg)
14. ALOA Chapter Roster (3pg)
15. Legislative Action Network (2pg)
16. Legislative Action Network Newsletters (1pg)
17. Various State Laws (10pg)
18. Industry Position Pager (1pg)
19. Current Legislative Action Network Newsletters (1pg)
20. Board of Directors Nomination Form (2pg)
21. ALOA Convention Registration
22. ALOA Board Expense Reimbursement & Request Form

Call Today!
310-575-5074



BETTER THAN EVER.

Available 7/22/05
At ALOA
Rosemont, IL



Gradient Lens Corporation

HAWKEYE PRECISION BORESCOPIES

The next best thing to having the combination.

presidential viewpoint

Important Notice



The Headquarters of the Associated Locksmiths of America will be relocating to a new office building about the 1st of May. During the time of the move, some ALOA services will be temporarily unavailable. These services include, but are not limited to, the following:

- Incoming Calls
- Database Inquiries
- Staff Support for the Web and all other departments

It is suggested that all ALOA and SAVTA members make note of this change. (This ad will be amended when the actual move dates are confirmed.)

The ALOA staff is looking forward to the new location and the opportunity to provide you with improved member services during 2005. Watch the latest news section at www.aloa.org for more information.



Dear Members,

I have just returned from what has to be one of the best SAFETECH conventions in history as evidenced by the turnout (including an invasion of 29 Swedes) and class participation. Lexington, Kentucky is the safe lock capital of the world and Lockmasters, Sargent and Greenleaf, Kaba-Mas, Timemasters, and MBA were all gracious hosts. I would like to congratulate Lockmasters on their 50th Anniversary and personally thank the Miller family for their generosity and hospitality at this event. I would also like to congratulate LaGard on it's

30th Anniversary and thank them for their sponsorship and support. The ALOA/SAVTA staff deserves a round of applause, as does Mike Oehlert, whose hard work makes this convention a success.

The turnout at the SAVTA membership meeting was equally impressive. Ron Snively and his board are working hard to meet the needs of all safetechs and continue to work well with ALOA. I am also pleased to recognize the achievements of two personal friends, Dave Wells and Skip Eckert, who were both elected to the SAVTA Hall of Fame. Dave and Skip have served SAVTA tirelessly... they were the first two SafeTechs appointed to the SAVTA board following SAVTA's purchase by ALOA. It is a well-deserved honor for both.

I was very pleased to hear at the SAVTA membership meeting that the SAVTA board is also considering increasing the standards to become a SAVTA member. This follows suit with what ALOA is doing and is intended to promote professionalism and increase the image of security professionals by ensuring that we are QUALIFIED to meet the security standards that are necessary in our current environment!!!!

As president of ALOA it is my DUTY to remind all of our members that it is their DUTY to vote in the upcoming election. The ballots will be coming out in the May issue of Keynotes. There are three qualified and competent candidates running for president, there are three directorships up for election, and there are multiple bylaws changes that warrant your interest and acceptance. This is your voice in the association! Don't let it go to waste. This year, casting your proxy is easier than ever with new secure online voting. The objective... we want ALL of you to vote!

Sincerely,

William L. Young CML,CPS



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

SWEET

Get Ready for ALOA 2005,
a powerful resource to explore innovation and
form industry alliances. This year we've thought of
everything from an exciting location, comfort-
able accommodations and a convention center
that is equipped to handle your every need.

Located just minutes from downtown
Chicago, Rosemont, Illinois is the
perfect "business village", designed specifically
to make your stay convenient, comfortable
and above all, successful!

The 49th Annual ALOA Convention and Security Expo
offers top-notch classes, workshops, networking
opportunities and cutting-edge technology.

And don't miss out on the fine dining and enter-
tainment options that Chicago has to offer. Shop
at the world-famous Magnificent Mile. Eat at
Morton's of Chicago or Harry Caray's Italian
Restaurant. Visit the Navy Pier or catch a ball
game. The options are endless when you register
today for the single-most important event in
the locksmithing industry.

Baby, you know you want to go!



INSTITUTIONAL LOCKSMITHING 2005

10 A Townhouse Complex Complex Problem

After starting as a locksmith last year at the College of New Jersey, I spent the first few months learning the layout of the campus and getting acquainted with the locking systems. In late May, 2003, our electronic technician was called to active military duty in Iraq and I was suddenly thrown into the position of maintaining the electronic access systems on campus.

By Robert Schuettrumpf, CRL

14 SAFETECH 2005 Wrap Up

WOW-what a great convention! If you were not in Kentucky for the 2005 Safe and Vault Technicians Association convention, you missed a great opportunity.

by Greg Perry, CML, CPS

20 What is a Locksmith?

This is where I begin to see the future, a future where locksmiths may become obsolete. I have watched the electronic industry take hold of much of what used to be considered the locksmith industry.

by T.F. Stern

22 TruCenter Book Review

"TruCenter The Harry C Miller Story" by A. M. Davis is more than just an ordinary biography. It details not only Harry's life but also a history of safe lock collecting, Harry's favorite pastime.

by Greg Perry, CML, CPS

24 The Magic of Spherical Keying Revisited

Just when we all thought that the uses of spherical Master keying had been exhausted, a few new quirks emerged from some e-mails and conversations that have proven that the use of the sphere is even more flexible than we originally thought.

by Eric Costley, CRL

32 Another Trade Show - Be Smart!

You've been asked to attend another trade show. Envious co-workers wish they could also "escape" from a day at the shop and attend. But is this really a day off?

by Claire L. Cohen, CML

AD INDEX

Allstate	Inside Front Cover
Gradient Lens	1
Sodium Halogen	7
Keedex	11
Professional Business Products	13
ALOA Vote	17
SAFETECH 06	29
Hinge Doctor	35
Defiant Safe Company	41
Findalocksmith.com	43
Master Lock	Inside Back Cover
CCL	Back Cover

Departments

Presidential Viewpoint2	Executive.....5	Calendar.....8	Classified.....36	Legislative40
	Applicants6	Core9	Associate Members38	



Additional contact information for the ALOA Board and most Keynotes authors is available through "Locksmith Search" on the ALOA Web site— www.aloa.org or by contacting the ALOA office at 3003 Live Oak Street, Dallas, TX 75204; (800)532-2562; FAX (214)827-1810; e-mail aloea@aloea.org.

Editor

Betty Hendersonbetty@aloea.org

Technical Editor

David Lowell, CML, CMSTdavid@aloea.org

Editorial Advisor

John Cannon, CMLjcannon1@cox.net

Advertising Sales

Kim Hammondvoice: 817-645-6778
Fax: 817-645-7599
e-mail: adsales@aloea.org

Executive Director

Charles W. Gibson, Jr., CAEcharlie@aloea.org

Associate Executive Director

David Lowell, CML, CMSTdavid@aloea.org

Convention & Meetings Manager

Jo Anne Mimsjoanne@aloea.org

Operations/Membership Manager

Mary Maymary@aloea.org

Government Relations Manager

Paul Kanitrapaul@aloea.org

Director of Communications

Betty Hendersonbetty@aloea.org

IT Operations Manager

Greg Jacksongreg@aloea.org

Comptroller

Kathy J. Romo

Membership Coordinator

Shelly Jett

Convention & Meetings Assistant

Karen Lyons

PRP/Education Coordinator

Hope Rodriguez

Mail Room Coordinator

Kevin Wesley

Publications Coordinator

Bryan Dease

Administrative Assistant

Jen Gilson-Gilliam

Executive Assistant

Sue Langford

Contributors

Jerome Andrews, CML
Paul Chandler, CRL
Claire Cohen, CML
Brian Costley, CML, CMST
Eric Costley, CRL
Ray D'Adamo, CML
Billy Edwards, CML
Dan Graffeo, CRL, CMST
Jim Hancock, CPL
Jeff Nunberg, CML, CMST

Randy Simpson, CML, CPP
Robert Stafford, CML
Dave Thielen, CML
Greg Perry, CML, CPS
Tom Seroogy
Charles Stephenson, CPS
Dennis Watanabe, CML, CMST

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

Policies: *Keynotes*® is the official publication of the Associated Locksmiths of America, Inc. (ALOA). *Keynotes*® acts as a moderator without approving, disapproving, or guaranteeing the validity or accuracy of any data, claim, or opinion appearing under a byline or obtained or quoted from an acknowledged source. The opinions expressed by the authors do not necessarily reflect the official views of ALOA. Also, appearance of advertisements and new products or service information does not constitute an endorsement of products or services featured by the Association. The Association does not accept responsibility for the inaccuracy of any data, claim, or opinion appearing in this publication, due to typographical errors on the part of the authors, Association staff or its agents.

Editor's Note: This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is provided and disseminated with the understanding that the publisher is not engaged in rendering legal or other professional services. If legal advice and other expert assistance is required, the services of a competent professional should be sought.

Authors' Payment: Payment for eligible submissions to *Keynotes* will be based on the following criteria: topic, time spent and past contributions. Authors who regularly submit to *Keynotes*® are generally paid a higher rate. The latter is especially true of authors who write to fit specific editorial needs and submit said copy by *Keynotes*® deadlines. As a general guideline: Average payment for a 750 word, business or 'light' technical article would be \$200. Payment for a 1500 word article involving significantly higher time and research efforts would be \$400.

Payment will not be offered for articles submitted by ALOA employees or members of the ALOA Board of Directors (unless material is of a technical nature), nor for articles submitted by a company that promote that company's products or services. ALOA reserves the right not to pay for articles submitted by an individual(s) that promote a particular company's products or services.

Disclaimer: The Associated Locksmiths of America, Inc., (ALOA), reserves the right to refuse any article for any reason. Additionally, ALOA reserves the right to edit, amend or modify any article submitted for publication in order to preserve technical accuracy, clarity, fairness or grammatical correctness. ALOA will make the best efforts to notify the author of any changes. The extent of ALOA's liability for any article or information contained therein will be a notice of correction or retraction in the next possible issue.

Keynotes® (ISSN 0277 0792) is published monthly except for the combined June/July issue by The Associated Locksmiths of America, Inc., 3003 Live Oak St., Dallas, TX 75204-6186. Telephone: (214) 827-1701; FAX (214) 827-1810; e-mail aloea@aloea.org. Subscription rates for members—\$15.00 per year. Periodical class postage paid at Dallas, Texas. POSTMASTER: Send address changes to: *Keynotes*, 3003 Live Oak St., Dallas, TX 75204-6186. © Copyright 2003, All rights reserved. No part of the contents may be reproduced or reprinted in any form without prior written permission of the publisher.

President

William L. Young, CML
(610)647-5042
president@aloea.org

Secretary

John Soderland, CML, CMST
(414) 327-5625
secretary@aloea.org

Directors, Northeast

Robert E. Mock
(856) 863-0710
nedirector@aloea.org

Peter Sarailian, CRL
(973)890-9797
nedirector@aloea.org

Vernon Kelley, CPL
(609) 771-3126
nedirector@aloea.org

Directors, Southeast

Tom Gillingham, Jr., CML, CPS
(615)264-0747
sedirector@aloea.org

Ken Kupferman, CPL
(813)961-5784
sedirector@aloea.org

Director, North Central

Mark E. Blum, CML, CPS
(517) 482-5809
ncdirector@aloea.org

Director, South Central

CD Lipscomb, CML, CPS
(903)874-3522
scdirector@aloea.org

Directors, Southwest

Gordon R. Racine, CML
(719) 384-4707
swdirector@aloea.org

Julie McCluney, CRL
(714) 636-5652
swdirector@aloea.org

Director, Northwest

Jim Jeffries, CPS
(208)743-1101
nwdirector@aloea.org

Director, European

Hans Meijshede, CML
(453)539-3939
eurdirector@aloea.org

Director, Asian

Joe J. Lee, CRL
(215)289-2404
asiandirector@aloea.org

Director, Associate

Paul M. Justen
(800)333-6953
asdirector@aloea.org

Trustees

trustees@aloea.org
Randy Simpson, CML
(281)240-5959

John J. Greenan, CML, CPS
(773) 486.2030

Past Presidents

2001–2003 Randy Simpson, CML
1999–2001 John Greenan, CML, CPS
1997–1999 Dallas C. Brooks
1995–1997 David Lowell, CML, CMST
1993–1995 Breck Camp, CML
1991–1993 Henry Printz, CML
1989–1991 Evelyn Wersanick, CML, CPS
1987–1989 Leonard Passarella, CPL
1985–1987 Joe Jackson, CML
1983–1985 Stanley Haney, CPL
1981–1983 Louis LaGreco, CPL
1979–1981 John Kerr, RL
1977–1979 Clifford Cox, CML
1974–1977 Charles Hetherington
1972–1974 Gene Laughridge
1970–1972 William Dutcher, RL
1968–1970 Constant Maffey, RL
1966–1968 Harold Edelstein, RL
1964–1966 William Meacham
1962–1964 Robert Rockliffe, CPL
1960–1962 Edwin Toepfer, RL
1956–1960 Ernest Johannesen



applicants for membership

AZ

Tempe

Robert Brengause

Sponsor: William Lee CRL

CA

Antioch

Joseph L. Grant

Sponsor: J D. DeSousa

Los Gatos

Samuel S. Hahn

Sponsor: Willy K. Yee

Pinedale

Rachel A. Alvarez

Sponsor: Noa Kristi

Richmond

Ramon Tan-Torres

Santa Barbara

Seymour W. Duncan

Sponsor: William P. Grant CRL

CO

Fort Collins

David McCandless III

Sponsor: Raymond J. D'Adamo CML

Nunn

Mary Moffett

FL

Jacksonville

Geoffrey A. Knowell

GA

Savannah

Marvin W. Mock

Sponsor: Michael Schuman

Niles

Kenneth O. Menard

Sponsor: Gerald O. Menard CRL

IN

Indianapolis

Robert W. Robinson

Sponsor: Jim Williams CRL

South Bend

Edward L. Gay

Sponsor: Jack W. Seifer

KY

Lexington

Julia Hood

LA

Lake Charles

Jeff Mallett

MD

New Carrollton

Noris Leonzo-Ortiz

Sponsor: Michael C. Olson CRL

Temple Hills

Marquette Pierce Jr

Sponsor: Michael C. Olson CRL

ME

Bar Harbor

Michael A. Curry

Sponsor: Tom W. Olson

MN

Minneapolis

Rebecca Hrobak

Sponsor: Dana L. Lee CML

Willmar

Gary W. Pearson

Sponsor: Myron H. Krupa

NC

Statesville

Richard R. Shuford

Sponsor: Charles E. Batcke CRL, CPS

John Campbell

Sponsor: Charles E. Batcke CRL, CPS

NM

Albuquerque

Colleen M. Fadgen

Sponsor: William A. Fadgen Jr, CRL

NV

Las Vegas

Steven J. Belt

Sponsor: Ernest W. Wright

OH

Montpelier

Joshua Nicolen

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

Warren

John R. Morris

Sponsor: George C. Blair

OK

Ponca City

Marvin J. Johns CRL

PA

Concordville

Michelle Glynn

Philadelphia

George L. Griffin

TX

Dallas

Eric Anapol

Sponsor: Dawn M. Forgey CRL

VA

Arlington

Ferdinand I. Medina

Sponsor: Michael B. Groves

David Ebb

Sponsor: Michael B. Groves

WA

Issaquah

Kevin Klemmer

Sponsor: Cory Klemmer

Australia

Woolloongabba AL

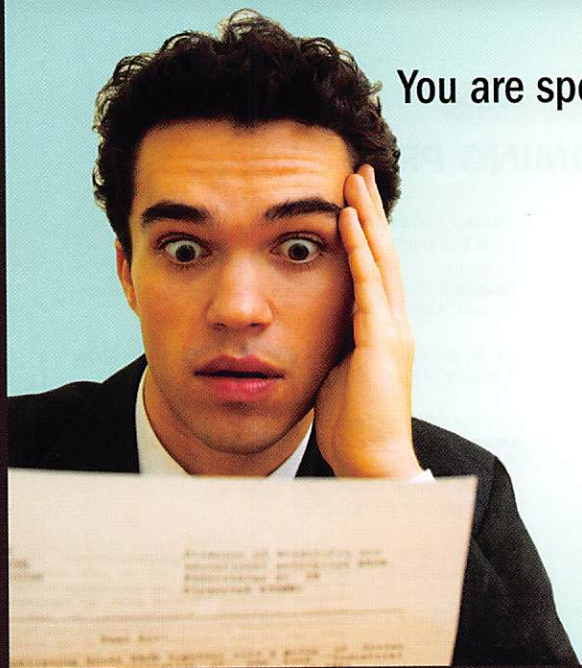
Aaron Boyd

Canada

ON - Hamilton

Ronald J.J. Dastous

Sponsor: Peter K. Gauthier CPL, CPS



You are spending **WHAT** on Yellow Pages advertising?!

Unlock your company's potential with a new Web Site.

- The Facts? One in three Americans use an internet search engine. (according to Nielsen//NetRatings)
Most locksmiths have no presence on the internet at all.
- Translation? One third of the people looking for your business won't be able to find you.
- Solution? Sodium Halogen interactive design.

Let the same company that designed ALOA.org give you online results - for less than you may be paying for yellow page advertising. Site makeover, search engine placement or starting from square one - visit www.YouAreSpendingWhat.com to see why Sodium Halogen is your solution.

Mention this Ad for a 10% ALOA member discount!
sales@sodiumhalogen.com
972-839-8913



sodiumhalogen
interactive. design.

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

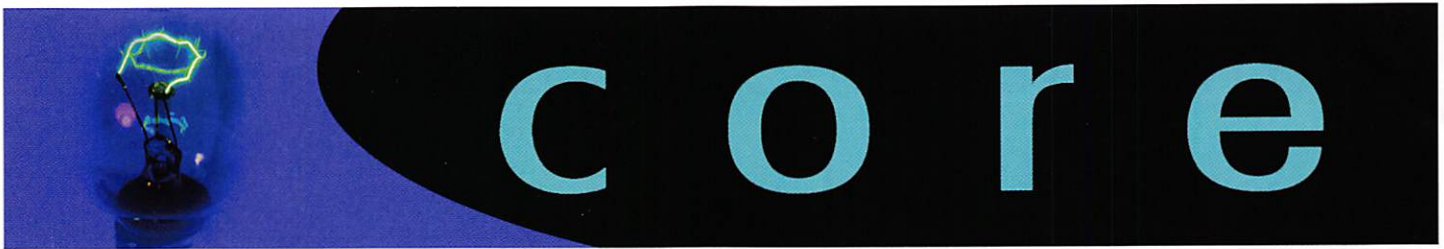
APRIL	7-9	California Locksmiths Association Trade Show & Educational Program	
MAY	21	KDL Trade Show For more info contact: Julie Pilgrim - 206-682-7383	
JUNE	8-11	International Association of Investigative Locksmiths Annual Conference Baltimore, Maryland Contacts: Don Shiles 410-674-7721 Lenny Podgorski 410-516-8269	15 IDN Trade Show and Security Expo Ypsilanti, Michigan For more information Contact Ronald Weston, Marketing Manager 734-591-4828 or Bonnie Weston 734-591-4821

UPCOMING ACE CLASSES

4/23-24/2005	White River Junction, VT • Green Mountain Locksmiths Association Bradley Manchester 802-863-4153 Comprehensive Access Control (2 days)
4/28-30/2005	Denver, CO • Central & Southern Colorado Locksmiths Assn Gordon Racine, CML 719-384-4707 • 9 Ace Classes
5/14/2005	Detroit, Michigan • Locksmiths Security Association Robert C. Nobel, CPL 810-385-9329 Electronic Safe Locks
7/17-24/2005	Rosemont(Chicago), Illinois • ALOA 49th Annual Convention & Security Expo • David Lowell, CML,CMST 800-532-2562 x18 70 full day classes • 35 half day classes & evening seminars
8/22-27/2005	Dallas, Texas • ALOA ACE Program Hope Rodriguez 800-532-2562 x30 6 day basic locksmithing course
10/11-15/2005	Portland, Oregon • Pacific Locksmiths Association Bill Botek, CRL 503-644-9881 Life Safety Codes w/L07 PRP Fundamental Locksmithing (2 days) Servicing Aluminum Storefront Doors Safe Combination Lock Servicing Basic Electricity w/L13 PRP Advanced Shop Management Professional Impressioning Techniques

UPCOMING PRP SITTINGS

4/07/2005	Thursday 9:00am Dallas, TX ALOA Hope Rodriguez 800-532-2562
4/09/2005	Saturday 8:00am • Ontario, CA • California Locksmiths Assn Suzanne Harmony 714-632-6800
4/10/2005	Sunday 8:30am • Bozeman, MT • Montana Chapter of ALOA • Winston Morrissey 406-586-5187
4/30/2005	Saturday 6:00pm • Denver, CO • Central & Southern Colorado Locksmiths Assn • Gordon Racine, CML 719-384-4707
5/12/2005	Thursday 9:00am • Dallas, TX • ALOA Hope Rodriguez 800-532-2562
5/21/2005	Saturday 5:30pm • Seattle, WA • KDL Hardware Supply, Inc Julie Pilgrim 206-682-7383
7/22/2005	Friday 6:00pm • Rosemont, IL ALOA 2005 • Hope Rodriguez 800-532-2562x30
10/09/2005	Sunday 9:00am • Orlando, FL • SERIAC 2005 • James Barnhardt, RL 813-689-5979



Cell Phone Locksmith?

The following email has recently circulated through the ALOA Headquarters. Read on to see how David Lowell debunks this urban legend.

Ever locked the keys in the car?

If you lock your keys in the car and the spare keys are home just call someone on your cell phone who has another set.



Hold your cell phone about a foot from your car door and have the other person at your home or wherever press the unlock button, holding it near the phone on their end.

Your car will unlock. Saves someone from having to drive your keys to you.

Distance is no object. You could be hundreds of miles away and if you can reach someone who has the other "remote" for your car you can unlock the doors (or the trunk!).

Editor's Note: It works fine! We tried and it unlocked our car over a cell phone!

Comforting though it may be to imagine you can unlock your car door in an emergency by receiving a distant signal via your cell phone, it can't possibly work—not with the technology as it now stands, Here's why:

Your remote car key operates by sending a weak, encrypted radio signal to a receiver inside the automobile, which in turn activates the door locks.

Since the system works on radio waves, not sound, the only conceivable way a signal from your spare remote could be picked up by one cell phone and

relayed to your car's onboard receiver by another would be if both phones were capable of sending and receiving at exactly the same frequency as the remote itself - which they can't be, given that all remote entry devices operate at frequencies between 300 and 500 MHz, while all mobile phones, by law, operate at 800 MHz and higher.

It's apples vs. oranges, in other words. Your cell phone can no more transmit the type of signal needed to unlock a car door than your remote key is capable of dialing up your Aunt Mary... though no one can predict what miracles the future may bring.

David M. Lowell, CML, CMST
Associated Locksmiths of America, Inc.
Associate Executive Director
Director of Training & Certification

SHRINERS HOSPITALS FOR CHILDREN

**Shriners...
Giving help and
hope to kids for
over 80 years**

Do you know a child under 18 who has problems of the bones, joints or muscles, or with severe burns? Shriners Hospitals treat children with conditions such as:

- Orthopaedic problems of cerebral palsy
- Scoliosis (curvature of the spine)
- Spina bifida
- Osteogenesis Imperfecta (brittle bone disease)
- Residuals of polio
- Juvenile arthritis
- Club foot
- Missing limbs (congenital or acquired)
- Dwarfism

Shriners Hospitals for Children are open to children regardless of race, religion or relationship to a Shriner, if the child is under 18 years old. There is no charge to the patient, parent or any third party for any care received at a Shriners Hospital.

For more information about Shriners Hospitals, write to:
Public Relations Department
Shriners International Headquarters
P.O. Box 31356 • Tampa, FL 33631-3356
www.shrinershq.org

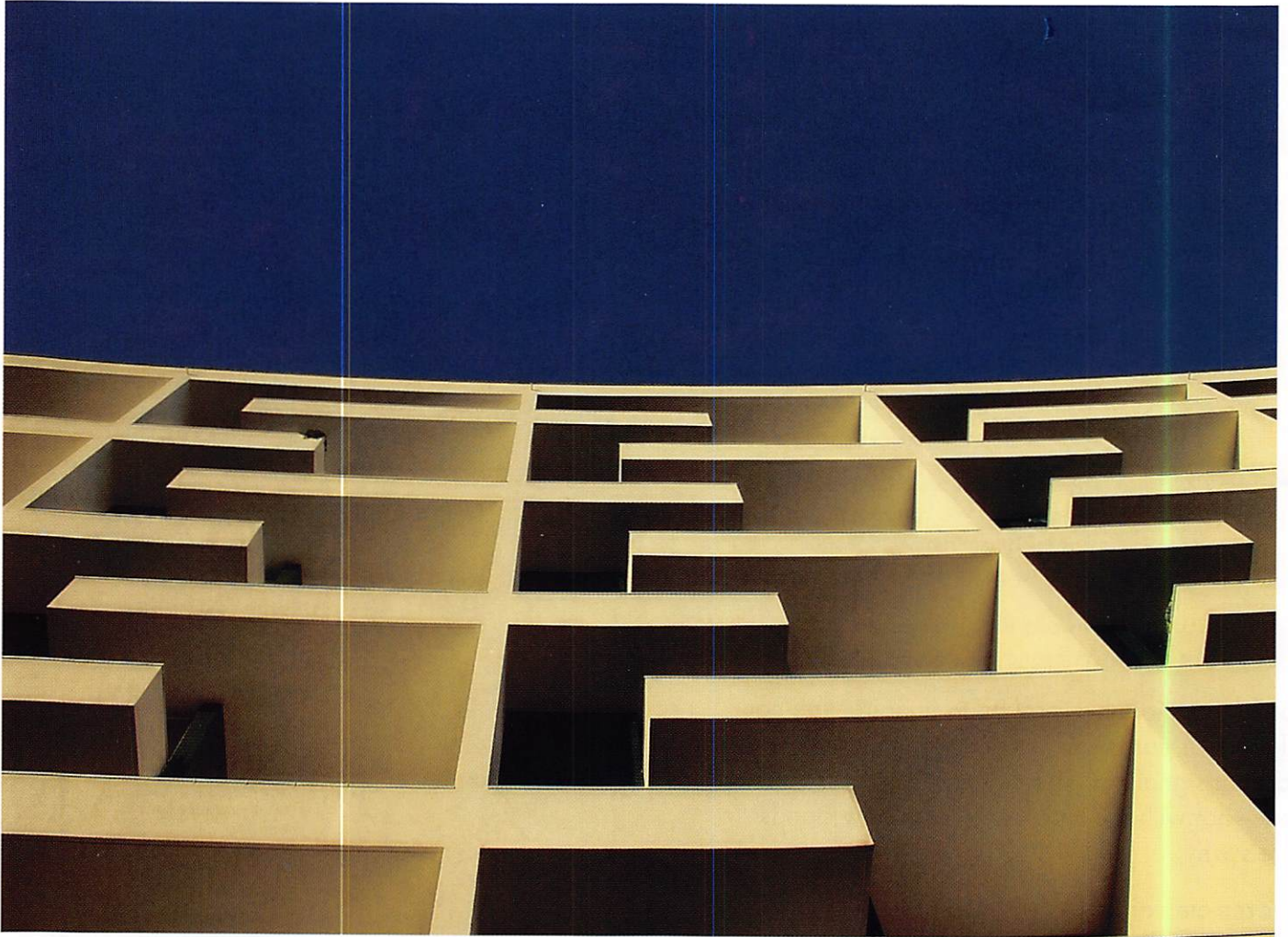
**Call toll-free
1-800-237-5055**

Monday-Friday, 8 a.m.-5 p.m. Eastern Time

A Townhouse Complex

Complex Problem

By Robert Schuetrumpf, CRL



One complex in particular has been a constant problem since it was constructed.



After starting as a locksmith last year at the College of New Jersey, I spent the first few months learning the layout of the campus and getting acquainted with the locking systems. In late May, 2003, our electronic technician was called to active military duty in Iraq and I was suddenly thrown into the position of maintaining the electronic access systems on campus.

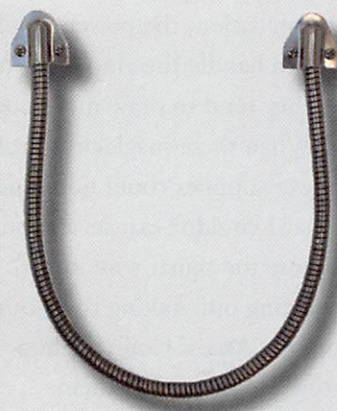
At the college, we have three townhouse-style residential complexes (photo 1). Of the three, one complex in particular has been a constant problem since it was constructed. The one in question was the only complex that had magnetic hooks and exit devices with a request-to-exit switches installed (photo 2a & 2b) and used as the primary means to secure the entrance doors. These doors are, unfortunately, the only way to enter each apartment building.

The main problem with the complex was that any time there was a fluctuation of the electrical power to the complex, the maglocks and control boards would freeze. This created a lockout condition in which no one could access the apartment, even if they had the privileges. If no one was in the building, the only way to gain access was to shut the power off to the building. After that, the memory in each affected control board had to be cleared. Then the power was reapplied and a download of new information was sent to the control board. Correcting these problems wasted countless man hours, much of which was considered overtime. It was a great deal of aggravation for our department,

as it took as long as four hours to make the buildings accessible again, depending on the number of apartments that were involuntarily locked down.

I was sent to find a solution to this problem, but found even more problems. Upon inspection of the fourteen

New! Keedex Stainless Steel Armored Door Loops



**ALL
STAINLESS STEEL
DESIGN**

**FLEXIBLE STAINLESS
STEEL CONDUIT**

**STAINLESS STEEL
END PIECES**

**STAINLESS STEEL
MOUNTING SCREWS**

**COSTS NO MORE
THAN MOST DOOR
LOOPS THAT HAVE
PLASTIC END PIECES**

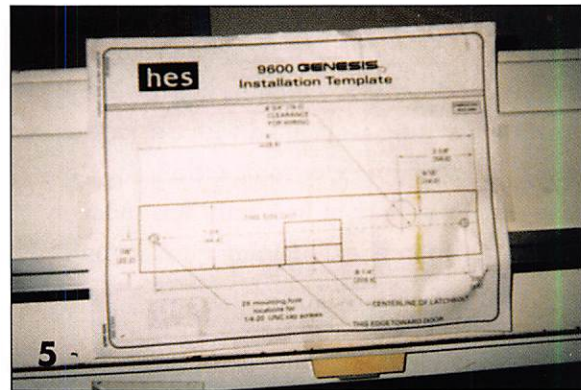
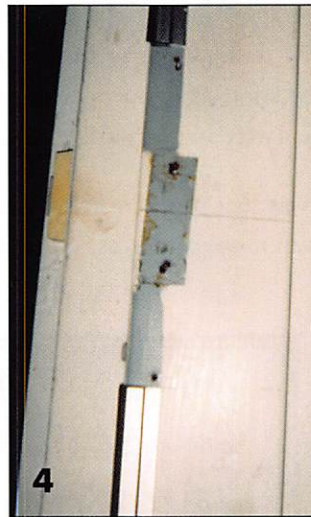
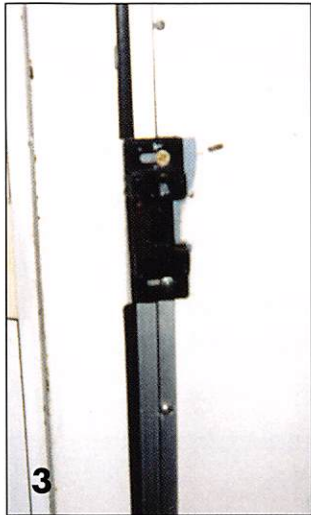
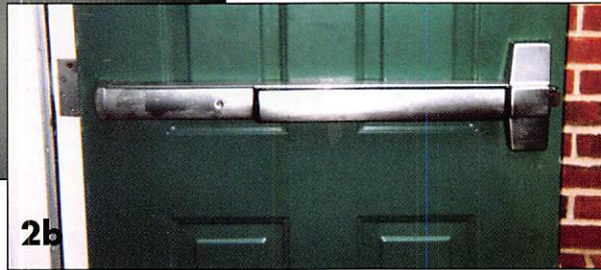
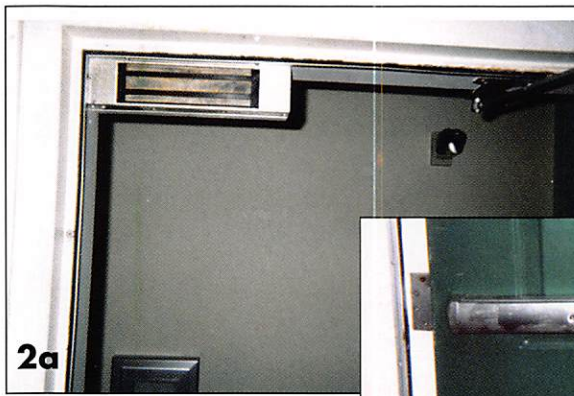
**AVAILABLE FROM YOUR
KEEDEK DISTRIBUTOR**

MADE IN U.S.A.

KEEDEK
NEDEX
"Ideas That Work"

*Call or write today
for your free catalog!*

Keedex, Inc.
12931 Shackelford Lane
Garden Grove, CA 92841
714-636-5657 • Fax: 714-636-5680
e-mail: info@keedex.com
www.keedex.com

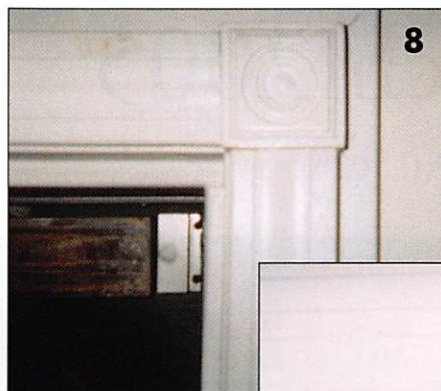
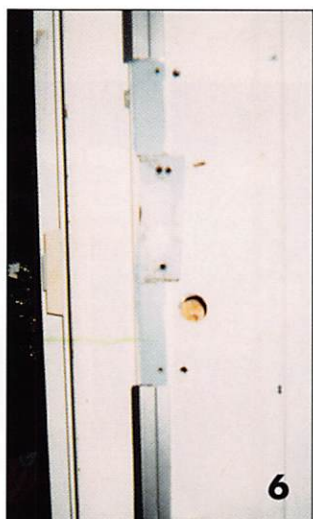


maglock power supplies (one power supply for every two buildings), eight were burned out. At the time of installation, the power supplies were barely adequate enough to handle the amp load. It seems that as maglocks age, they tend to draw more power in order to secure the door. When these maglocks started to draw more power, the power supplies could not handle the load. I also discovered that I couldn't exit several buildings on some occasions, because the signal wire in the power-transfer hinge was shorting out. Taking these other problems into consideration, the Access Control Shop needed to find a cost-effective way to correct them.

The HES 9600 Genesis electric strike was the answer to many of our problems. First, it would eliminate our problem with the unscheduled lockouts because there was no feedback being caused by the maglocks during power fluctuations. Second, we found that we could power the electric strikes directly off of our control boards. That eliminated the need for additional power supplies altogether.

Last, the HES 9600 allowed us to use the exit device strictly in a mechanical fashion without reliance on the device's request-to-exit feature to release a maglock. Now, all I had to do was remove the maglocks, run some new cable, and install the electric strikes.

For each door (twenty nine in all), the first steps were to remove the maglock, drill the holes for the strike, and run a wire from the old magnet location to the new strike. I had already determined I could use most of the existing wiring with a minor reconfiguration from the old power supply to our reader board. I removed the existing strike (photo 3), cut the weather stripping (photo 4), applied my template (photo 5), marked my holes, and drilled two holes with a #7 drill bit (photo 6). I then tapped them for 20 bolts, and drilled a 1/2-inch hole for the wiring harness (photo 7). I also needed to remove a small corner molding (photo 8) and drill a hole so I could fish the wire down the frame (photo 9). I accomplished this using a tool called a Wet Noodle made by Labor Saving Devices. This tool consists of a ten-foot piece of chain and a flexible rod with a magnetic



end. I completed my wire connections (photo 10), tucked the wires back into the frame, and reinstalled the molding. All that remained was to connect the wires, bolt the strike to the frame, and make final adjustments (photo 11).

NEW ITEM

AAA LOCKSMITH
1-800-355-6322

CALL 1-800-355-6322 For More Information

PUSH
Your Name Here To Order Call 1-800-355-6322

PULL
Your Name Here To Order Call 1-800-355-6322

ADVERTISE WITH OUR WEATHERPROOF LABELS

Professional Business Products

We donate 5% of all sales to the
ALOA Scholarship Fund
Buying from NEBS®?

We offer lower prices on invoices/workorders, checks, repair tags, magnets, business cards, key tags and more.

www.pbp2000.com

I completed the remaining twenty-eight buildings in about two weeks' time. Except for a few minor strike adjustments, there haven't been any problems with these doors. Using the HES 9600 saved the college thousands of dollars in parts, emergency calls, and future maintenance. I would highly recommend using this strike.



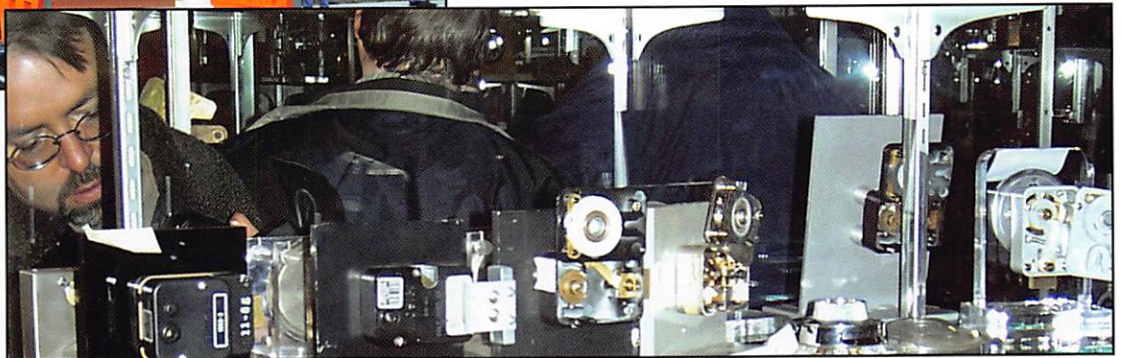
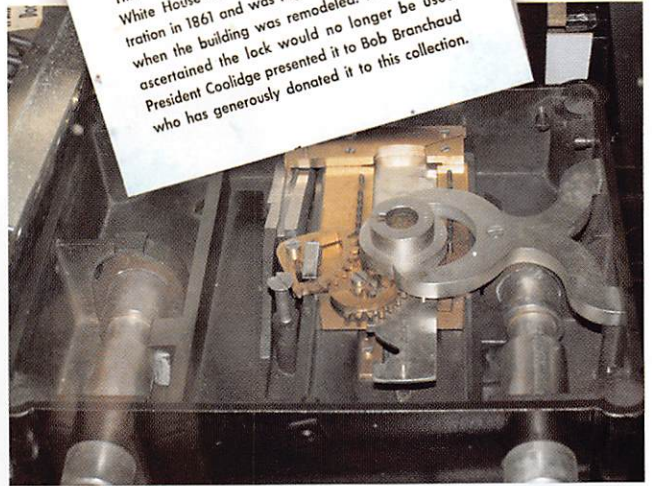
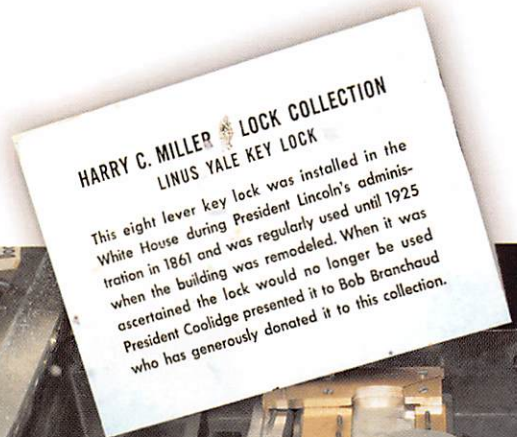
Safetech 2005

By: Greg Perry, CML, CPS





***Celebrating 50 Years
of Security Education***



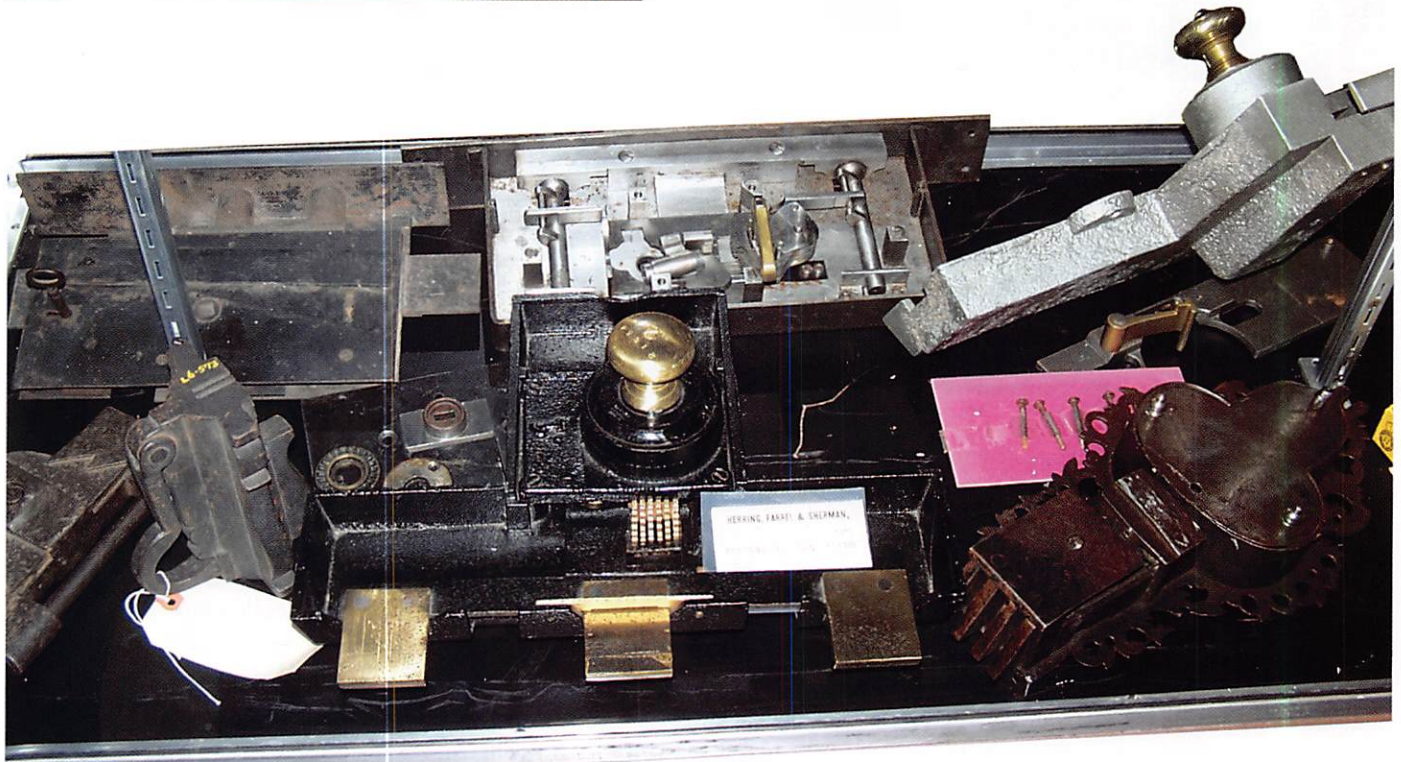
WOW-what a great convention! If you were not in Kentucky for the 2005 Safe and Vault Technicians Association convention, you missed a great opportunity. The information exchanged and networking gained by meeting with some of the greatest safe crackers was invaluable. The parties hosted by Lockmasters were second to none. This year was Lockmasters 50th anniversary. Clay Miller, and his son Mark, owners of Lockmasters, pulled out all stops. The party was held on Friday night at the new LSI building in Nicholasville, home of the Harry C. Miller lock collection.

The evening started with a bus ride from the hotel/convention center to the Kaba Mas offices in Lexington. We toured the plant and it was interesting. However, the real treat of the evening was the dinner party at LSI. The front lobby was filled with approximately a third of Harry Miller's lock collection. During his lifetime Miller amassed what is believed to be the world's largest collection of safe locks. It's a collection worthy of envy, available for all to enjoy. If I didn't have any



other reason to visit Kentucky, the exhibit in the lobby was worth the expense of the trip. I don't get to see many of the pre-1950's safes, and Miller's collection allowed me to see many vintage and antique examples that are nonexistent or obsolete today.

The new building houses several classrooms dedicated to different aspects of the craft of the locksmith trade. One of the most interesting classrooms was the GSA and bank servicing classroom. There were GSA safes I



LOCK THE VOTE!



Don't miss your chance to make your vote count. How? Cast your ballot in this year's ALOA elections. The ballots will be included in next month's issue of Keynotes. Simply fill out the proxy form and mail. The state of the Association depends on you.

★ NEW ★

This year, it's even easier to make a difference with **Online Voting!**

**If you are voting online,
you MUST REGISTER
prior to May 9th at
www.aloa.org/vote**

**Don't just follow the crowd...
YOUR VOTE can make a difference!**

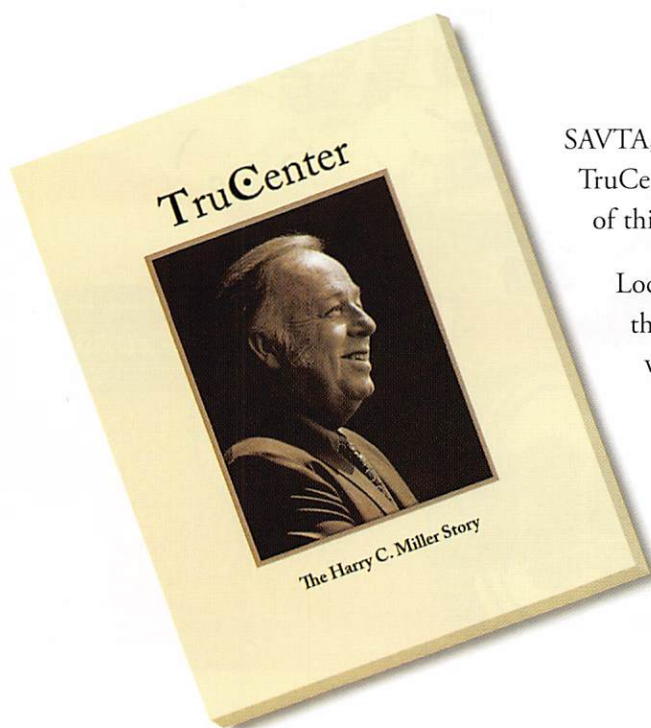
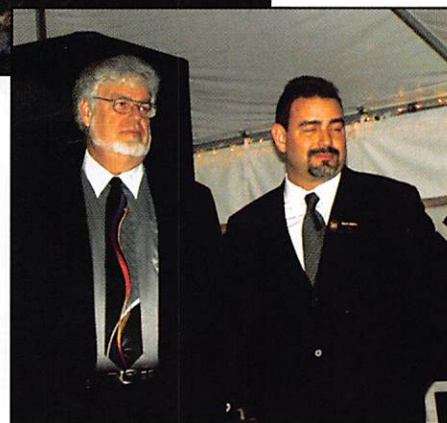




had only heard of from Hillside to Norfolk. Some of these cabinets are extremely rare, as well as old, and they are still approved for use by the government. What was especially interesting was Vaughn Armstrong, who is considered one of the worlds' leading authorities on GSA containers, was standing next to one and saying a few words about the safes as I snapped a few pictures. He explained that there were two different versions of this file safe produced by the Norfolk Naval Shipyard. One was referred to as "Inky" the other as "Stinky". The entire safe, including the drawers and the area around the lock, is encased with a "foil" or sheet metal 'sandwich' that looks a little like a metal toaster pastry. Inside the sandwich is either a dye that leaks out if disturbed, or a dye with a smelly gas that vents when disturbed; hence, an inky version or a stinky version. In short, if one ever has to drill into one of these units, the safe is ruined.

Lockmasters also hosted the Saturday night dinner banquet at a historic home outside of Lexington. The food was fantastic and the networking continued. Ron Snively, President of





SAVTA, presented Clay Miller, the son of Harry C. Miller, a copy of TruCenter: The Harry C. Miller Story, by A. M. Davis (see the review of this book on page 22).

Lockmasters more than deserves a huge thank you for hosting their own anniversary event. They provided the safe technicians with two great parties in addition to much needed help throughout the week with classes, materials and logistics to make the 2005 SAVTA convention one of the greatest conventions ever. A very special thank you from me and many others goes to the Miller family for allowing Harry's collection to be seen and enjoyed by so many safe technicians.

What is a Locksmith?

By T.F. Stern

This is where I begin to see the future, a future where locksmiths may become obsolete.



I have watched the electronic industry take hold of much of what used to be considered the locksmith industry.

I am a big fan of science fiction writer Ray Bradbury and his book, *Fahrenheit 451*. In this story, he took me to see the future where firemen didn't put out fires, they burned books. Even the houses had to be made of non-flammable materials, and the old homes were condemned, forcing their owners into the newer structures.

The locksmith industry is very similar to that story. I started out in the 70s learning how locks were put together so that I could figure out how to defeat them: pick them, impression a key to take the place of one that may have been lost, or completely disassembling them to change the combination so that an existing key could no longer operate that particular lock. Over the years, as my skills improved, locking mechanisms improved. However, I felt confident that my abilities as a locksmith would match any competitor. I had the sense of pride that I was a fairly good locksmith.

As the lock manufacturers began migrating from mechanical operations to electronic mechanisms, some systems worked side-by-side, much like the transponder keys in many of today's automobiles. In changing with the times, I not only had to figure out which mechanical combination would permit the key to turn within the lock cylinder, I also had to match wits with the electronic package that controlled the vehicle's computer. The mechanical side was second nature to me. The electronic side was a little different. I now had to tie into the vehicles' computer with special electronic transponder equipment, which hooks up to a vehicle's computer, and permits access to complete

the programming for the vehicle to start. In the past, I used to make about \$35.00 to fit a key that would make a Ford F-150 churn to life. Now I make more than 4 times that to fit the original plus one duplicate, along with the programming.

This is where I begin to see the future, a future where locksmiths may become obsolete. I have watched the electronic industry take hold of much of what used to be considered the locksmith industry. The job skills that made it possible for me to make a very decent living appears to be moving to the museum next to the dinosaur exhibit. Instead of a tool box that has a Swiss #4 impression file it now has a software program or optical scanner. A thorough knowledge of mechanical systems was, and to an extent, still is, important as more and more information in the present is electronically based.

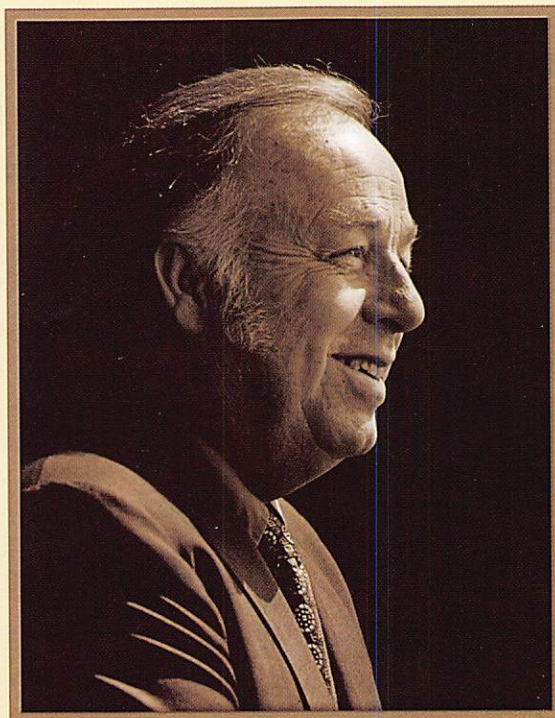
I used to think that "sidewinder" keys, or Medeco high security locks were the future. I was mistaken. Those are Jurassic in comparison to the electronic gadgets out there now. The newest cars have no keys. It's all electronic, from disabling the door locks to starting the engine. If I had not seen what the future could hold, then this concept would have troubled me more than it does now. I have no desire to become an electronics wizard, there are enough of the old fashioned locks to keep me in business a while longer. I guess I am part of the past, wondering if Linus Yale and Hank Spicer will let me sit down on the bench to rest my bones when I put away my tool box.

TruCenter

The Harry C. Miller Story Reviewed

By: Greg Perry, CML, CPS

TruCenter



The Harry C. Miller Story

Have you ever heard of a man named Harry C. Miller? Unless you've been hiding in your shop or a newcomer to this industry, especially the safe industry, you've undoubtedly heard of him. Even if you've never heard of Harry, you've probably benefited from Harry's life on this planet. Chances are good you've worked on or used some of Harry's inventions. "TruCenter The Harry C Miller Story" by A. M. Davis is more than just an ordinary biography. It details not only Harry's life but also a history of safe lock collecting, Harry's favorite pastime. This book introduced in Lexington Kentucky at the Safe And Vault Technicians convention last month is a must read for anyone in the lock and safe industry.

A.M. Davis details many of Harry's exploits and relates stories from many sources including Harry's family, former employees, and friends. The book details how Harry went from rags to riches inventing a manipulation-proof lock, selling the idea to the government and convincing Sargent and Greenleaf to manufacture the lock. In the process he acquired enough stock and capital to purchase the company in a few short years. Around the same time, Harry founded Lockmasters and worked with some of the other industry greats getting ALOA founded. Harry taught one of the first safe classes in the late 1960's with Bob McCown at an ALOA convention. At that time the primary way to learn the safe industry was from family.

Harry's love for teaching did not stop at the classroom door, or even with just safes and locks. Harry's love for teaching extended to the neighborhood kids and anyone with an interest. Many of the stories about Harry will put a smile on your face.

If you're in the safe industry the book contains a wide range of safe lock pictures from Harry's personal collection. This section is worth the price of the book alone. From pictures of both the Sargent Automatic and the Magnetic to MacNeale and Urban and the Herring Grasshopper the author catalogs a nice selection, but only a small fraction of the collection. She even has some pictures of the salesman's samples of cannonball safes.

I purchased the book originally for the pictures, but on the airplane ride home, started reading the book. If you're in this industry I think you'll find it fascinating to read about a man who is probably the greatest legend in the modern safe world and perhaps of all time.

Get TruCenter and other great titles at the ALOA Online Store

<http://www.aloa.org/store/>

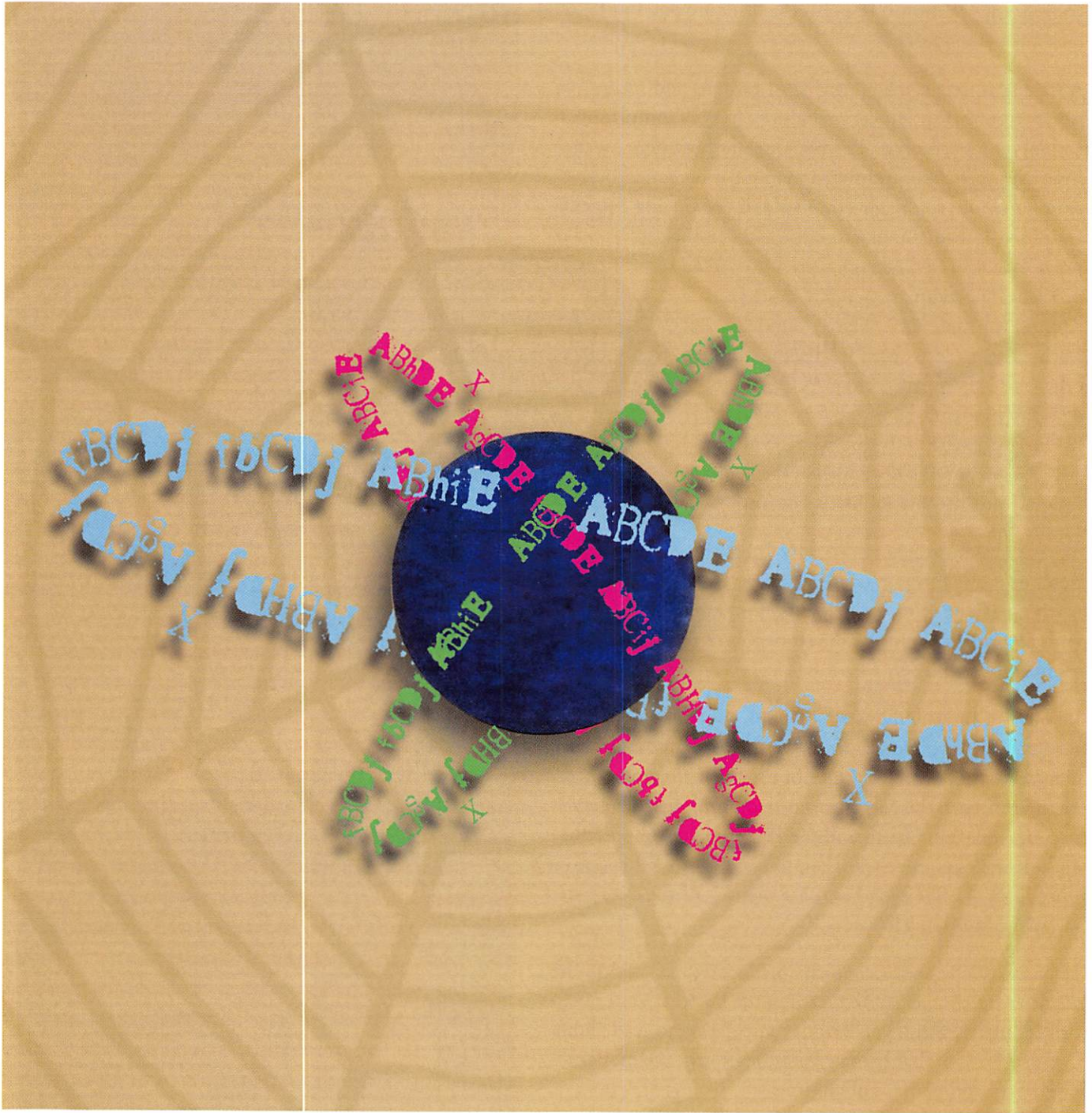
Just a Few of Our Titles...

Learn About Basic Electricity.....	29.95
Spacing and Depths, vol 1	19.95
Spacing and Depths, vol 2	19.95
Filing for Dollars	29.95
Antique Padlocks	29.95
VATS Made Simple (Revised)	29.95
Guide to Transponders	79.00
2000 Transponder Update	45.00
Bread & Butter	85.00
Locks and Lockmakers of America	19.95
Learn About Electronic Locking Devices	29.95
The Best of Locksmithing, vol 1	19.95
Logical Lock Diagnostics	29.99
How to Pick Lever Locks	19.95
Fundamentals of Master Keying	55.00
Guide to Electronic Locksmithing	39.95
Security Solutions Locksmith	
Marketing Program	89.95
The Ultimate Techtips Collection	39.95
PRP Resource Guide	25.00
Locksmithing from Apprentice to Master	27.00
Wafer Lock Reading	19.95
Door Lock Encyclopedia	39.95
Lock Repair Manual	14.95
Interchangeable Core Cylinders	34.95
Picking & Impressioning	45.00
The Lure of the Lock	29.95
High Security Safes, vol 1	175.00
High Security Safes, vol 2	175.00
Safeman's Guide, vol 13	9.95
Safe Deposit Depth and Space Manual	99.00
Safe Technician's Reference Manual	155.00
Gun Safes	110.00
Modern Safe Opening	59.95
Dave McOmie on Vault Doors, vol 1, Bank Vaults	110.00
Dave McOmie on Vault Doors, vol 2, Fire and Plate Vaults	110.00
Modern Safe Locks	95.00
Drilling Safes	95.00
Safe Deposit Box Service	39.95
Foreign Car Impressioning Book	29.95
Impressioning Ford and GM Side Bar Locks	29.95
Automotive Lock Servicing Update #1: GM 10-Cut Locks	29.95
Automotive Lock Servicing Update #2: GM 10-Cut Locks	29.95
Automotive Lock Servicing Update #3: GM 8-Cut Locks	29.95
GM Locks: Perfect for the Beginning Locksmith	29.95
Ford Locks: Pin Tumbler and Ten-Cut Systems	29.95
Chrysler Pin Tumbler Locks	29.95
Chrysler Double-Bitted Locks	29.95
Toyota Split-Tumbler Locks	29.95
Basic Door Panel Servicing	29.95

**ALOA
MEMBERS
Receive up to
25% off
list price!**

The Magic of Spherical Keying Revisited

By: Eric Costley, CRL



Just when we all thought that the uses of spherical Master keying had been exhausted, a few new quirks emerged from some e-mails and conversations that have proven that the use of the sphere is even more flexible than we originally thought. For those of you who are unfamiliar with the topic or might need a refresher course, the original discussions of the topic occurred in the November 2003 and June 2004 issues of *Keynotes*. A quick look back at these will help you move onward as we dig a little deeper.

Over the past year, my name seems to keep cropping up in other trade magazines, and not always in flattering terms. I must reiterate at this time that I did not invent the mathematical equations or relationships that exist between keys and their respective cylinder pinning, I have simply tried to expand our understanding of a very complex matter. Everything I have said about master keying was already there for our grasp, generations before I decided to dip my hand into the spider cage. All I ever attempted was to combine the ideas of Maison keying with master keying, which gave me a nice, small, easy to grasp tool that would allow me to accomplish extensive cross-keying without interchange or stacking master wafers. Did I invent this? Certainly not. But the lack of printed material concerning cross-keying, combined with the demands of my customers, forced me to grasp, name, and publish what little contribution I have made.

Many have said that what I am doing is simply pointing out incidental masters. Well, exactly! What I am attempting to do is to give the average Joe a nice little tool that they can plug into a standard full progression masterkey system so that they can accomplish whatever outrageous keying that their customer requests. The fact that I gave it a name and some guidelines seems to have upset some of you. While it is true that all of the keys in a spherical system exist as incidental masters in a full-blown full progression system, it is much easier to extract a Sphere from your system than it is to print out an entire system to find the block, row, column and page masters that are the basis of spherical keying. By using the binary method, (in other words, there are only two possible key depths in any given position: either the masterkey cut or the change key cut,) we have managed to extract from a much larger masterkey system a large chunk of incidental masters without cross-keying into the remainder of the system.

The sphere is not a normal masterkey system. Once again, I must reinforce that it is a derivative of Maison keying. The initial idea was to take a Maison system, and to make one key a master in the system. My definition of a Maison system differs from some of the definitions in print at this time. It is my understanding that by cross-keying a single 5 pin cylinder to two distinct keys, one can extract 32 keys that operate that cylinder, without the presence of a "master key". My personal monkey wrench is the presence of a master key, which creates a hierarchy of incidental masters that pose a quandary to most of us. By listing the keys and their relationships, I have made a small attempt to stick my pointy boot into the delicate rear end of the industry.

Originally, the sphere was developed for 5, 6, and 7 pin systems. In the beginning we thought of these as "stand alone" enigmas, until a customer of mine asked for even more outrageous cross-keying, which resulted in a "sandwich" between a classical system and a sphere. By using the top masterkey as key 1 and extracting the last key of the sphere from the biting array, we have created parallel systems which are operated by the same masterkey with no possible interchange, except that which is intentionally implemented via the sphere. As I know that the whole process leaves many people scratching their head in frustration, we will use this particular example to illustrate the ease of spherical keying later on in this same article.

One of the first questions that I fielded concerning my articles concerned the use of multiple spheres extracted from the same classical biting array. If, (in a six pin system,) there are four possible variations in each pin position of a standard biting array, you can theoretically extract four separate spheres with a potential 20 individual change keys under each separate sphere. In an institutional application, (such as a group of four dormitories at a college,) if you needed 20 individual change keys which each operated the exterior doors of that particular dormitory and the individual dorm room, one masterkey could operate all doors, and each of the spherical change keys would operate only common doors and the individual rooms. In addition, cleaning personnel or maintenance people could be given a key which was building specific, using keys from the upper levels of the sphere.

The nature of spherical keying tends to lean toward appli-

cations which are primarily institutional. Other than this, it is primarily a tool used to create extensive cross keying without stacking master wafers in locks, making the system not only more secure, but less prone to malfunction and wear due to less moving parts in any given cylinder.

Smaller spheres can be extracted for smaller projects, too. One can generate a 3 pin or 4 pin sphere, although the smaller size automatically limits the number of individual change keys to just a few.

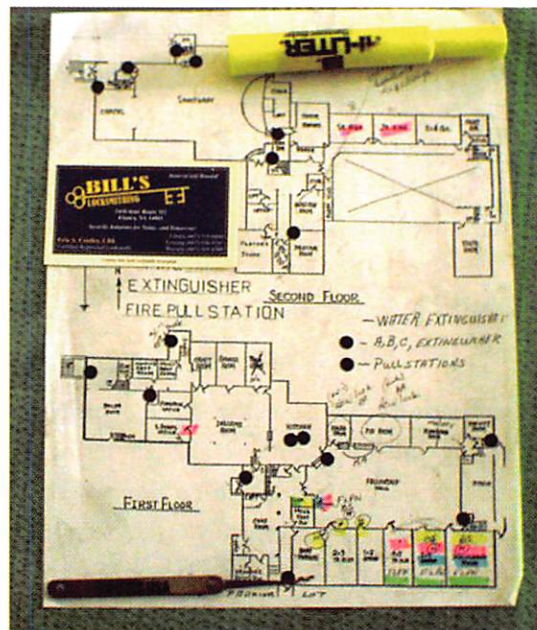
In review, a 5 pin sphere breaks down to 32 keys, grouped as follows: 1,5,10,10,5, and 1. A 6 pin system: 1,6,15,20,15,6, and 1. A 7 pin system breaks down to 1,7,21,35,35,21,7, and 1. In the event that you need even fewer individual change keys, a 4 pin sphere breaks down to groups of 1,4,6,4 and 1, (yielding only 6 individual change keys,) and a 3 pin sphere breaks down to groups of 1,3,4, and 1. With a 3 pin sphere, you have only 4 individual change keys. In a six pin system, it is conceivable that you could use the first 3 pins, and then the last 3 pins, and generate 8 individual spheres... with no possibility of interchange!

At some point, in the future, I intend to generate spheres in the manner of a rotating constant, where spheres overlap, and masters cross into other spheres...but until that fine summer day arrives, I can only hope that you drool at the possibility.

In an attempt to relate a "real life" example, I will present the puzzle that a customer asked me to solve, and my "spherical" solution to the quandary, which has, (at this point in time,) been in place for over a year with no glitches, other than those cleverly inserted by the customer once the system was up and running.

In addition, the first spherical masterkey system is still up and running some two years hence, despite four separate calls to make changes in the system. (Of course each time this customer calls, we all cringe, but so far... so good!)

As for the promised example, some background is probably appropriate. I received a call from a local church, and the individual in charge seemed more knowledgeable than most of my customers concerning his wants and needs. When I arrived at the church for the initial walk-through, I found out that he had managed the keying systems in a



large commercial setting before he had retired, and his general demeanor and basic understanding of masterkey systems set me immediately at ease. As we walked through the building, (with a carefully designed floor plan, I might add,) the job initially looked as if a standard full progression system might accomplish the desired keying. Also, the exterior doors were to be keyed on a separate change key, which bolstered my spirits.

It was when we moved to the large open area under the sanctuary that things got complicated.

Jim grinned as he explained that there were several groups which shared many rooms in the area, including Boy Scouts, a daycare center, the Sunday School, and a community group. At this point, the colored highlighter pens come into play.

I should pause here to say that when you are designing a spherical masterkey system, a pack of at least six high-lighter pens is a must. In this manner, you can designate "groups to rooms". If you have a floor plan of the building, simply make a colored dash in the room which represents the group (or groups,) which must have access to the room. A few of the rooms in this system required four distinct colors to show the desired keying... and even that got amended before the system was finally in place.

As we walked from room to room, I made extensive notes concerning who was to have access to each individual area. By the time I strolled out to the van, I was pretty sure that

I could do this using spherical masterkeying, but the number of individual change keys needed was far too large for the 5 pin system that was in place. (Remember, a 5 pin system only yields 10 individual and autonomous changes!) It was at this point that I designed the "sandwich" between a classical system and a sphere.

I will be using some theoretical numbers here, and disguising the identity of the actual customer to further protect the integrity of the actual system. No matter how you slice it, it still works. Put your thinking caps on!

Let's say that the customer is on a five pin Corbin Russwin pre-system 70 system, which gives us 10 depths to work with, 0 through 9. Arbitrarily, we have picked our masterkey to be cut to 47213. From this point, we generate our initial "full blown" biting array, which would be as follows:

Masterkey: 4 7 2 1 3
 Biting array: 2 1 4 3 1
 6 3 6 5 5
 8 5 8 7 7
 0 9 0 9 9

At this point, we have everything we need to generate a classical masterkey system. Now, in order to generate a sphere, we extract the biting of "key 32" from our biting array, which will allow us to generate a sphere, and leaves the remainder of the biting array available for use in standard masterkeying. If we designate "SP32" as 83677, the remainder of the biting array is as follows:

Masterkey: 4 7 2 1 3
 Extracted for sphere: 8 3 6 7 7
 Biting array: 2 1 4 3 1
 6 5 8 5 5
 0 9 0 9 9

For this particular system, I only needed a total of 15 individual fully progressed change keys. For our example, they will be designated as follows:

A1: 2 1 4 3 1	A6: 2 1 4 5 9	A11: 2 1 8 3 9
A2: 2 1 4 3 5	A7: 2 1 4 9 5	A12: 2 1 8 5 1
A3: 2 1 4 3 9	A8: 2 1 4 9 9	A13: 2 1 8 5 5
A4: 2 1 4 5 1	A9: 2 1 8 3 1	A14: 2 1 8 5 9
A5: 2 1 4 5 5	A10: 2 1 8 3 5	A15: 2 1 8 9 9

Are you ready? (Things are about to get as hairy as a tarantula!) Now, using the extracted key from the original biting array as key 32 of a sphere, and our existing masterkey as key 1, we generate our sphere, as follows:

SP1: 4 7 2 1 3	SP12: 4 3 2 7 3	SP23: 8 3 2 7 3
SP2: 4 7 2 1 7	SP13: 8 7 2 7 3	SP24: 8 3 2 1 7
SP3: 4 7 2 7 3	SP14: 4 3 6 1 3	SP25: 8 7 6 1 7
SP4: 4 7 6 1 3	SP15: 8 7 6 1 3	SP26: 4 3 6 1 7
SP5: 4 3 2 1 3	SP16: 8 3 2 1 3	SP27: 4 3 6 7 7
SP6: 8 7 2 1 3	SP17: 4 7 6 7 7	SP28: 8 7 6 7 7
SP7: 4 7 2 7 7	SP18: 4 3 2 7 7	SP29: 8 3 2 7 7
SP8: 4 7 6 1 7	SP19: 8 7 2 7 7	SP30: 8 3 6 1 7
SP9: 4 3 2 1 7	SP20: 4 3 6 7 3	SP31: 8 3 6 7 3
SP10: 8 7 2 1 7	SP21: 8 7 6 7 3	SP32: 8 3 6 7 7
SP11: 4 7 6 7 3	SP22: 8 3 6 1 3	

Now that we've generated our numbers, all that remains is to designate what goes where, and this is where the difficult work goes in. I've included a photograph of my original diagram, (complete with highlights,) in order to help you understand how to use the sphere to your advantage. The 4 groups, (each represented by a different color,) are the Sunday School, daycare, Boy Scouts, and "FLPN". Notice that some rooms require all four groups to gain access, some are specific to only one group, and some are operated by either two or three of the groups. By looking at the colored markings I have made on the diagram, you can begin to decipher how one goes about choosing keys from the sphere. If there is a single color marking any one room, this means that it must have an autonomous change key. In a five pin system, we have 10 autonomous changes. The nice thing about a five pin system is that we can choose these changes from one or the other, (but not both simultaneously!) either from the groups consisting of keys

SP1	ABCDE	key 1
SP2	ABCDj	keys 1,2
SP3	ABCiE	keys 1,3
SP4	AbhDE	keys 1,4
SP5	AgCDE	keys 1,5
SP6	FBCDE	keys 1,6
SP7	ABCij	keys 1,2,3,7
SP8	AbhDj	keys 1,2,4,8
SP9	AjCDj	keys 1,2,5,9
SP10	fBCDj	keys 1,2,6,10
SP11	AbhiE	keys 1,3,4,11
SP12	AgCiE	keys 1,3,5,12
SP13	fBCiE	keys 1,3,6,13
SP14	AghDE	keys 1,4,5,14
SP15	fBhDE	keys 1,4,6,15
SP16	fgCDE	keys 1,5,6,16
SP17	Abhij	keys 1,2,3,4,7,8,11,17
SP18	AgCij	keys 1,2,3,5,7,9,12,18
SP19	fBCij	keys 1,2,3,6,7,10,13,19
SP20	AghiE	keys 1,3,4,5,11,12,14,20
SP21	fBhiE	keys 1,3,4,6,11,13,15,21
SP22	fghDE	keys 1,4,5,6,14,15,16,22
SP23	fgCiE	keys 1,3,5,6,12,13,16,23
SP24	fgCDj	keys 1,2,5,6,9,10,16,24
SP25	fBDj	keys 1,2,4,6,8,10,15,25
SP26	AghDj	keys 1,2,4,5,8,9,14,26
SP27	Aghij	keys 1,2,3,4,5,7,8,9,11,12,14,17,18,20,26,27
SP28	fBhij	keys 1,2,3,4,6,7,8,10,11,13,15,17,19,21,25,28
SP29	fgCij	keys 1,2,3,5,6,7,9,10,12,13,16,18,19,23,24,29
SP30	fghD	keys 1,2,4,5,6,8,9,10,14,15,16,22,24,25,26,30
SP31	fghiE	keys 1,3,4,5,6,11,12,13,14,15,16,20,21,22,23,31
SP32	fghij	Operated by all keys within the system.

7 through 16, or from the group that consists of keys 17 through 26. Since 3 of the groups require a room that is autonomous, all of these keys are picked from the same grouping of keys. (Only the FLPN area and the janitor's closet were subservient to these, and therefore had to be picked from lower levels of keying.) An additional glitch was that the daycare specific rooms were not to be masterkeyed, although the same key that they were issued was to operate other areas which were to be masterkeyed! Using the sphere, this became the easiest of problems to solve. The 3 rooms that were specific to the daycare area were keyed only to the change key, while other rooms were keyed into the sphere in the usual fashion.

As I look back on the way I actually keyed this system, I see now how I could have improved the "flow" and continuity of the system.... primarily by following some of the

recommendations I have just outlined! However, this was only the third system that I had implemented, and the first to incorporate a blending of both classical and spherical systems. (When you come up with something this outrageous, its not like you can go ask anyone for help when you think you're getting in over your head!) In any case, if our illustrious editors would be so kind as to reprint the 5 pin listing of keys chart and the listing of "what fits what" from the November 2003 article for our continuing edification and convenience, I will continue to weave this little web for you.

While there were four key carrying groups to deal with, (ideally with one key each,) there are nine doors in question. As is, was, and always shall be the rule when cross-keying: work from the bottom up! Whichever door or doors represent the worst mess, start here, and work back-

FEBRUARY 27 - MARCH 4, 2006

REACHING NEW HEIGHTS

Albuquerque, New Mexico

MARK YOUR CALENDAR NOW

When it comes to learning about the latest in safes and vaults, time is of the essence. SAFETECH 2006 features an all-new menu of classes, covering every safe topic on the globe. Don't miss out!



wards. It was obvious that the janitor's closet was the worst case, to be fit by all four groups. Two other rooms, the 3rd & 4th grade room and the discipleship room could also be keyed like the janitor's closet. In order to leave myself "room to maneuver in the future" should the need arise, these rooms were arbitrarily chosen to be keyed to SP26. (This allows room for subservient areas in the next level down, and since no individual change key for these rooms was needed, SP26 was a keying designation more than anything else.) If we look at our chart of "what fits what" in a five pin sphere, we find that SP26 is operated by eight individual keys, (twice our needed amount,) keys 1,2,4,5,8,9,14 and 26. From these we must choose our four group keys.

It is important at this stage to keep your wits about you and minimize distractions. Of course, that's always good advice when devising a masterkey system, isn't it? Of the eight possible keys that we have to choose from, one is the masterkey. Another is SP26, which is the individual change key that fits these rooms, but that we don't need. Going back to our "what fits what", we find that our six remaining keys, (2,4,5,8,9, and 14,) fall into 2 distinct groupings. Keys 2,4, and 5 come from a higher group than keys 8,9, and 14. (Remember, in a five pin system, our grouping of 32 keys is 1,5,10,10,5, and 1.) Since the Sunday School key, (represented by the pink highlighter,) needed to fit the most rooms, I chose SP2 for that application. The daycare, (yellow highlighter,) had the next largest quantity of rooms, and needed to be independent from the Sunday School. Therefore, it needed to be chosen from either the same grouping as SP2, or from a lower level key that SP2 did not operate. (That's what you would think, right?) Actually, that is incorrect. Since the actual daycare doors are not mastered, we CAN choose a key from lower in the system which would, (if these locks were masterkeyed,) be operated by SP2. I chose SP9 for the daycare doors.

(Remember, whatever keys we choose for the remaining doors must operate SP26. Our original "picking pool" consisted of 2,4,5,8,9, and 14. We have now used 2 and 9. Only 4,5,8, and 14 remain.) At this point, we have only two keys left to choose: the Boy Scouts and the FLPN key. Since SP8 and SP14 come from the same grouping, they were chosen as the FLPN and Boy Scouts, respectively.

At this point, our puzzle is solved! All that remains is to cut the keys and to implement the system. A day later, everything was up and running...

Two days later I got a call from Jim. (I was obviously nervous, since this was the first "sphere sandwich" that we had implemented.) "I'd like to make a little change, if it's possible," he said. I crossed my fingers, and said "Go ahead, let's hear what you need." As it turned out, there were occasions when even more groups would use the reception hall, for weddings and such. Although these people wouldn't need access to any of the other rooms, Jim thought it would be a good idea if they could at least access the 2 janitor's closets, in case there was a mess that needed cleaning up.

Of course, I immediately grinned. Sure, this could be done easily: it only required me to re-pin those two cylinders, (which were keyed to SP26,) to SP32. By adding two master wafers to each cylinder and cutting the change key, the job was accomplished.

There are still many more mysteries about masterkeying that we can explore, and in time I hope to be giving you more insights into this wonderful enigmatic world. In the meantime, take the time to familiarize yourself with the intricacies which I have already revealed, as they are but mere stepping stones to where I will be taking you in the future. In the meantime, happy keying!

Wear the RING of a KING

Member Name	Sponsorships	
Kwok-kei Leung	222	William P. Grant CRL
Henry W. Raymond	92	James E. Gruber CPL
Yuriko Yanai	82	Evelyn V. Wersonick CML, CPS
Mary S. Ohmit CPL	66	Joseph P. Ferrero CML
Charles C. Robertson CML	65	Gary F. Teams CPL
William Lee CRL	56	Kenneth E. Kim CRL, CPS
Jack Hobin CPL	51	William J. McElheney CML
Clifford D. Lipscomb CML, CPS	47	John W. Soderland CML, CMST
Michael B. Graves	43	Michael E. Jordan Jr. CML
C Allan Halverson	40	Jan B. Griswold CML
David M. Traiano	40	Brian J. Reetz
Myeong-Rae Cho	38	John A. Ilk CRL, CPS
Jim Williams CRL	38	Russell P. Fuller CRL
David M. Lowell CML, CMST	36	Robert C. Radacker CPL
Salvatore J. Dulcamaro CML	36	John J. Greenan CML, CPS
Dana L. Barnum CML	35	Steve L. Cathron
Barry K. Leas CRL	35	Leonard J. Passarello CPL
Danny W. Rudd CPL	33	Bruce J. Tarbet CML, CPS
William L. Young CML, CPS	33	John D. Cannon CML
Larry A. Warrick CML	31	Paul M. Souber
Eugene R. Altobella Sr.	31	James T. Brickler CPL
Jeanne G. Lodge CML	30	Richard C. Sievers
Robert D. DeWeese CML	30	Calvin G. Harris CML
Ken Dale	29	Frank D. Hartung CML
John C. Elliott Jr. CML, CPS	28	Rolando Bouza
Robert W. Duman Sr. CML	28	Timothy J. Moore CRL
Scott L. Henke CPL, CPS	28	John F. Engel CRL
Dallas C. Brooks	28	Donald H. Shiles RL
William T. Beranek	28	Brooke P. Berry CRL
Breck H. Camp CML	27	William J. Wickward CML
Lawrence F. Smith Jr. CML	27	Raymond C. Lusk CML
Marian M. Swann CRL	27	Robert M. Massard CRL/AHC
James M. Watt CML, CPS	27	Gregory L. Perry CML, CPS
Anthony J. Ramunno CML, CPS	26	Eric F. Veal
Jeffrey S. Nunberg CML, CMST	26	Barry L. McMenimon CPL
J Thomas Hood CML	26	Thomas J. Demont CML, AHC
John L. Shandy CML	25	Basil W. Shannon CPL
Elvis D. Hammerschmidt CPL	25	Ralph O. Warren CML
Philip A. Ravenolt CPL	25	Gordon R. Racine CML
Jerome L. Cohen CML	23	Kevin R. Wilson CML, CPS
Peter K. Gauthier CPL, CPS	23	Timothy K. Chow
Man-Soo Seo RL	23	Michael C. Olson CRL
James J. Cawby CML, CPS	22	Dale L. Knowles CPL
James L. Hancock CPL	22	Andrew A. Edmunds CML, CPS
Hans Meijshede CML	21	Marlan E. Sagar
Peter Sarailian CRL	21	Daniel S. Enriquez CRL
John S. Dorsey CML, CPS	20	Gene Eldridge CPL
Thomas G. Vandersteen CML, CPS	19	Ronald P. Riggins CML
Walter W. Lascar RL	18	Charles E. Haas CML
Keizo Takahashi CRL	18	Robert E. Mock
James E. Fowler Sr. CML	18	Lester E. Brodsky
David C. Harris CML	18	Larry L. Votaw CML
Ronald E. Heidzig	18	Thomas R. Smith CPL
Joe J. Lee CRL	18	Todd K. Ladwig CML, CPS
Takashi Kuwana CRL	18	William T. Straub CML
Eugene R. Altobella Jr.	18	Randy L. Hutchison CRL
Ernest W. Wright	17	Richard T. Johnson CPL
Peter R. Hall	17	Vincent L. Forman CML, CPS
		Carroll T. Croson Jr



How can I join the President's Club?
You can earn a membership in this prestigious club by recruiting just 10 new members for ALOA.

*Any ALOA member may participate.

What do I get?
When you recruit 10 members, you receive a handsome blue blazer with a President's Club crest. For each additional five members you recruit, you receive a lapel pin with gold-filled numbers, indicating your recruiting successes.

You also get the satisfaction of knowing that you are helping your association, helping your industry grow, and you are helping fellow locksmiths achieve success.

How do I get started?
Mail the form below to the ALOA office for a supply of applications (800) 532-ALOA or FAX (214) 827-1810. One President's Club credit is awarded for each new applicant. Credit is awarded only after the membership application is proved. However, the credit will apply for the period in which the application is received. Failure to identify yourself as the sponsor on the application form at the time it is submitted to ALOA for processing will forfeit any credit.

Yes! I want to join the ALOA President's Club.

Please rush me _____ applications so I can start earning credit toward membership in the club!

Name _____
Company _____
Address _____
City _____ State _____ Zip _____

Mail this form to ALOA • 3003 Live Oak • Dallas, Texas 75204-6186

Another Trade Show—Be Smart!

By: Claire L. Cohen, CML

You've been asked to attend another trade show. Envious co-workers wish they could also "escape" from a day at the shop and attend. But is this really a day off? Trade shows may require pre-planning, extra hours to travel, and long day (or days) on the exhibit floor. Tired feet from walking miles, and aching arms from carrying tons of literature can make you feel anything but refreshed and revitalized from a day off at work.

Be smart! There are many things that attendees can do to make the experience extremely positive, rather than an exhausting journey. Finding new products, the right products for a job, and building positive business relations can insure that your day (or days) away from the shop are well spent.

Pre-show planning can help maximize your time on the exhibit floor. The most important task before attending the show is planning how you will use the time to achieve maximum benefit for you and your company. It's critical to plan ahead. Are there certain suppliers you want to see to talk about new products, problems with existing applications, better pricing, etc? Can you squeeze in educational classes and seminars?

If you are in a conference center crammed with exhibitors, make note of who you especially want to see and what you want to talk about. Your show directory can be more than

a just a map. It may contain a great deal of important information, such as schedules, seminars descriptions and supplier descriptions. If an exhibitor map is provided, circle where booths of interest are located.

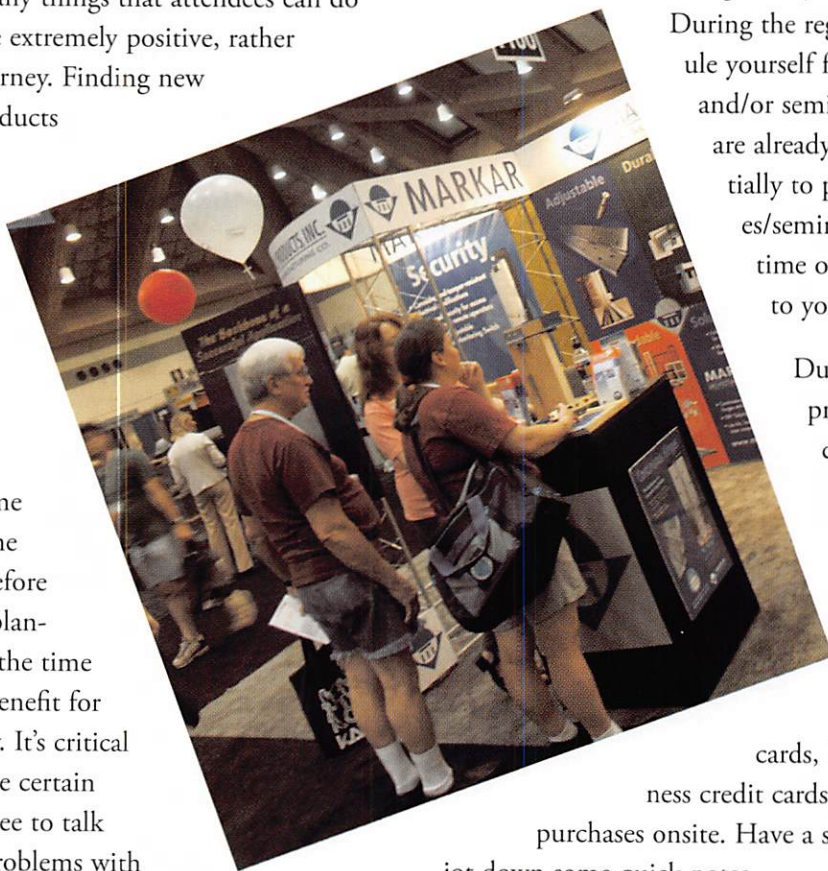
Give yourself enough time to gain maximum benefit also. Travel the day before (if possible), and plan to leave after the exhibit ends. Don't cut your time too short.

Pre-register by mail if that is possible. During the registration process, schedule yourself for educational classes and/or seminars. Convenient (you are already there), you could potentially to pick up ideas from classes/seminars that will save you time or add additional revenue to your business.

During the planning process, you may want to contact other attendees or exhibitors to schedule breakfast, lunch or dinner meetings.

Equip yourself for the show. Bring enough business cards, business checks and business credit cards so that you can make purchases onsite. Have a small notebook handy to jot down some quick notes.

Carpeted displays may look elegant, but beware of the concrete floors just underneath the carpet. This can be a less than comfortable surface to walk or stand for extended periods of time. Dress professionally—and remember your comfortable shoes! Dress appropriately for the entire day as you may decide to go out to dinner or meetings (extended day).



Starting the day right get some nutrition before the exhibit floor opens. Tempted by limitless exhibitors, you may not want to break for a full lunch. Or, you may find that you won't be eating again till the show ends in the evening.

The first day of the show has come. Arrive early—time to renew old acquaintances and make some new friends. If you need to register, do that before the show exhibits starts. Perhaps there will be a place to check your coat, rather than carrying it around all day. Take time to review the new product showcase for ideas/products that you can apply to your business.

Introduce yourself and talk about your type of business, and your business needs. Pay attention to individual names and company names on badges.

Loaded with catalogs, product samples, sell sheets...it's hard to pass up any booth. Who knows, what we may need someday?! When you are on the show floor, be aware as to what materials you pick up. Often attendees take for the sake of taking—pounds of paper, brochures, and samples. Remember, you have to carry everything you pick up!

Some exhibitors can arrange to have materials sent directly to you. They can have heavy catalogs sent, sparing you shoulder and hand fatigue. Ask manufactures if they have catalogs available on CD. Websites may contain product information just keystrokes away. Located in many large convention centers are mailing centers. At a cost, you can have packages of literature mailed directly to your business, leaving you "hands free".

Break times are important too. During this time review your timetable. Are there exhibits or people you still need to see? If you have extra time, what other booths have you missed? Sit down for a couple of minutes, grab a snack, and chat with an old friend. This may help prevent show burnout.

Be sure to visit exhibit sponsor booth. Here you can find out the date for the next exhibit and plan for the following year.

A trade show's overall goal is to bring people together to do business. Be smart! With some pre-planning before the show begins, and some good show strategies, you can insure that your "day off" from work will be productive and beneficial for you and your business.

Pack your Bags!

Check the ALOA Calendar located at www.aloa.org for up-to-date information on these and other upcoming shows

California Locksmiths Association
Trade Show & Educational Program
Ontario California

KDL Trade Show
Seattle, Washington
206-682-7383
www.kdlink.com/index.html

IAIL Conference
Baltimore, Maryland
Don Shiles 410-674-7721
Lenny Podgorski 410-516-8269

IDN Trade Show and
Security Expo
Ypsilanti, Michigan
Ronald Weston 734-591-4828 or
Bonnie Weston 734-591-4821

ALOA2005 Convention
and Security Expo
Chicago, Illinois
www.aloa.org





COLORADO SECURITY PROFESSIONALS EDUCATION CONFERENCE

APRIL 28-30, 2005

RADISSON STAPLETON PLAZA HOTEL

3333 QUEBEC STREET

DENVER COLORADO 80207

(Hotel Reservation # 1-800-333-3333 or 1-303-321-3500)

**Brought to
you by the
following:**

**Central &
Southern
Colorado
Locksmith
Association**

**Rocky
Mountain
Locksmith
Association**

**Colorado
Burglar & Fire
Alarm
Association**

**ALOA Front
Range Chapter**

FULL DAY CLASS OFFERINGS STARTING THURSDAY

- * Fundamentals of Locksmithing (3 days)
- * Automotive Key Generation
- * Safe Deposit Lock Service
- + Essential Sales Training (2 days)
- * Transponders, The Complete Story
- * Comprehensive Safe Service,
Opening and Defeat Methods
- * Your Bottom Line
- * Professional Safe Penetration
- + Understanding Alarm Systems

Classes with the (*) are ALOA ACE classes and the
(+) are NBFAA classes.

EVENING EVENTS

THURSDAY Free dinner buffet and Trade Show.

FRIDAY Two free classes:
Selling Safes class sponsored by AMSEC
False Dispatch Reduction Training sponsored by
the Colorado Burglar & Fire Alarm Association.

SATURDAY Free Wiring Installation Class. Also several
special evening clinics. Watch for updates.
ALOA PRP/STPRP sitting

For additional information or to register contact
Gordon Racine CML or Barry Meyer CRL
Gordon Racine CML 1-719-384-4707 or
e-mail racine@rural-com.com

Barry Meyer CPL 1-303-688-4104 or
e-mail acomal@Qwest.net

Or go to the website: www.radisson.com/SecurityEducationWeekend

LOCK THE VOTE!

It will be time to vote soon! The membership meeting for the purpose of electing directors and officers and to decide whether or not to make changes to the bylaws will be on June the 10th at the ALOA Headquarters in Dallas. All members are encouraged to vote in person or through the use of the proxy form that will be in the next issue of Keynotes.

The vote will be particularly important this year because several bylaws changes have been proposed by the Board. The first of these changes is to require members to become PRP qualified. This does not necessarily mean taking a test. Registered Locksmith (RL) is a PRP designation that requires only that a member has taken a prescribed number of classes. Members will be required to renew their designation every three years through testing or classes. This change is proposed in an effort to upgrade the image of the locksmith. It adds credibility when ALOA represents its members to the congress, other parts of the security interest or the public. ALOA has long advocated testing as a part of the Model Law for Locksmith Licensing. Several new states adopted licensing laws last year. In order to be consistent with the laws, ALOA needs to maintain a higher standard for membership. Persons applying for membership in the future, who are not PRP qualified will enter the association as "Probationary" members and will not be allowed to renew after three years without achieving a PRP designation. (Although not a part of the bylaws changes, applicants are also now required to submit to a background check as a part of the application process.) The PRP requirement will have a "grandfather" provision. Long-time and/or older members will not be required to be PRP qualified or will have a longer time to comply.



The Board also proposes to add a "Company Membership". This will allow a locksmith company, institution or other entity employing multiple locksmiths to buy a "group" membership. The membership will belong to the company, not the individual. This should encourage companies to pay for employees to be members. The end result will be a larger membership. This will give ALOA additional "clout" when dealing with governments and others sectors of the security industry.

The Board will also recommend that the bylaws be changed to eliminate one of the International Regions. Currently, there are two, the "European" and "Asian" Regions. The Board proposes that these be combined to form the "International" Region. The Board went on to recommend that each region be represented by one or two directors as determined by the Board according to need. There are currently 14 directors. The likely result of these changes is that, in time, the Board will have only 12 directors as was the case a few years ago.

In addition to voting on the bylaws changes, all members will have the opportunity to vote for the new ALOA president. Most regions will also have choices to make concerning directors. ALOA is owned by the members. Take your ownership seriously and vote in the next election. Look for proxy forms (ballots) in the next Keynotes and at aloa.org.

THE HINGE DOCTOR

by GKL Products

Guaranteed for Life!



HA1 For
Standard
Commercial
4-1/2" x 4-1/2"
Butt Hinges

HA2
"The HULK"
For Residential Hinges
**COMING IN
SEPTEMBER**

HA3
For Ball-
Bearing &
Larger
Commercial Hinges

HA4
For Prison
& Institutional
Hinges & Standard
Spring Hinges

The Hinge Doctor is a great way to repair those sagging metal doors. Slip the tool over the hinge and open the door an inch or two past the point where the tool binds against the hinge, remove the tool and check the door, which should now be working properly.

**If you're a locksmith these tools
will turn a profit the 1st time you
use them!**

**Uses - schools, hospitals,
commercial buildings, storefronts
with butt hinges, office doors, new
construction, door alignment, sagging
doors, jail cells, anywhere there are
commercial grade hinges.**



**US Patent
#6450003**

**www.hingedoctor.com
800-924-5397**

**Over
10,000
Satisfied
Customers**

Classifieds

EMPLOYMENT

LOCKSMITH WANTED

Arapahoe County Security Center in Aurora, Colorado. Experience required in Access Control, Keyless Entry, Safes, Commercial Hardware

as well as some automotive experience. Benefits include: Vacation Pay, Health Insurance, 401K, Company Vehicle and possible 4 day work week. Please contact Sheila or Paul at 303-745-5500 or fax to 303-745-5567.

EXPERIENCED LOCKSMITH NEEDED

Harbison Lock & Key, 25 year old commercial/residential locksmith company is seeking a qualified technician to join their team in servicing the Homewood, AL and surrounding municipalities. This is a full time position, pay commiserate with experience, paid health/dental insurance, paid holidays and paid vacation. FOR MORE INFORMATION CALL 205-870-9920 or visit our website, www.harbisonlock.com.

LOCKSMITH FOR HIRE

New York Licensed Locksmith with 25+ years exp. in running and maintaining an In-house Locksmith shop is looking for a new position. Experienced in Masterkeying, Removable core systems, Simplex combination locks, Lock-Alarm hardware, desk and cabinet hardware, door-closers, etc. This ALOA and Nyail (NY Assoc. In-house Locksmiths) member is available for work immediately. Resume is available upon request. Call or Email Richard Sommers at (914) 734-2303
Bestkey@Optonline.net.

SEEKING POSITION:

Locksmith/Key System Specialist/Physical Security Specialist/Sales Engineer/Project Manager. I am seeking a position that will utilize my many years of commercial locksmithing. I am experienced in commercial installations, design and lay out of large master key systems, access control, CCTV. Have been an instructor to commercial accounts on basic locksmithing, master key systems, access control systems, and CCTV systems. I started my locksmithing career in a 4 year apprenticeship program and worked my way up to sales engineer/project manager in mechanical locking hardware, electronic locking hardware, access control and CCTV. I hold a current North Carolina locksmith license. I am a past Chapter Chairman of the Greater Charlotte Chapter 65 of the American Society for Industrial Security and a 3 time United States Patent holder for the security industry. Upon request a full resume will be provided. Please give company name, location, contact name, and phone number or E-mail address, Make all Inquires to 704/537-9161 or E-mail RCHARREB5@AOL.COM

MANAGER OF TRAINING

(\$70-80 Base plus bonus, great benefits!) Reports to the Director of HR, dotted line to the VP of Sales and Operations. High energy performer who can create, develop, implement, and manage national technical training programs. This person will set up Training from "ground zero" with two main initial priorities: 1) to set up a national program for over 5000 Hardware stores across the US needing technical training with advance Key Cutting and leading edge Locksmithing skills. These are privately held stores that have the company's key cutting machines in their stores and need to be trained. 2) To set up a comprehensive training program for the new start up Kiosk Division now with 52 locations in a major

DIY retailer in New Jersey. This will include an incremental training series to grow people from an "apprentice" type program to advanced "Transponder technology" (computer chipped keys) in a relatively short period of time. This division is expecting national growth and expanded market share. The overall vision for training will be the development and growth of highly trained, customer focused employees. Heavy project and vendor management. For immediate consideration, please contact: Carla McBride, CPC, Valiant Enterprises, 216-261-7210 or email greatrecruiters@earthlink.net.

WANTED TO BUY/SELL

FOR SALE

The International Safe Museum of Ocala, Florida has museum videos for sale. \$25.00 each, including shipping/handling. Contact Irving Isicoff at 1-800-854-9681 to get your copy. Supply is limited.

FOR SALE

Over 340 brands and model numbers safe deposit locks, over 16,000 square feet of new and refurbished sales, night depositories, safe deposit boxes, teller lockers, drive up drawers, undercounter steel fire proof files and vault doors, timelocks, teller locks, combination locks and thousands of miscellaneous and hard-to-find items. Fast service, credit cards accepted. Underwood Safe & Vault, Inc. 1-800-642-8763, fax 580-584-7720, website: www.underwoodsafe.com. Email: safe@underwoodsafe.com or underwoodsafe@yahoo.com.

BUSINESS FOR SALE

35 years in same location. Need qualified locksmith, maybe two. Only locksmith in three counties. We are busy, busy. Owner must retire due to age and health.

Everything is paid for, building equipment and van.
Beautiful West Texas weather and people. Priced to sell.
Call or phone Dean Tedford, 432-336-3278

BUSINESS FOR SALE

Growing East Tennessee locksmith business, established 1987. Supports three locksmiths with two fully equipped vans. Serves shop and residential customers as well as commercial accounts. Lot and building, located on corner fronting main highway through town, included in sale of business for \$220,000. Call 423-586-3101 Monday-Friday, 8-5 EST.

FOR SALE IN SUNNY CARIBBEAN

and busy Island of St. Thomas, U.S. Virgin Islands. Est in 1981. 2 Trucks, 50,000 + in inventory and many other assets. Rental location is busy shopping mall with lease to 2007 with additional 3 yrs. possible. Currant Gross is 300,000 + per year. No financing by owners who are looking to retire. Cash only of \$250K. Serious inquiries only to lip133@islands.vi.

EQUIPMENT FOR SALE

Mounted Locknetic Sample For Sale: CM5190-MGKx626 mounted on a oak mount asking \$100
Primus Demo Kit[/b] New asking \$75.00
kishjohn@comcast.net
Telephone is 412-400-5900

WHOLESALE SAFE DEPOSIT LOCKS

Diebold, Herring Hall Marvin, Ilco, Lefebure, Mosler, Precision, S&G, Security Corp, Yale. Now available
Safe Deposit Boxes Sections, Doors, Hinges and Bond Tins. Vault Doors, Safes, Night Depositories, Vault Lockers and One Inch Plate Steel are also stocked items.
Call WBI (954)484-2404 or Sales@WBI.US.

FOR SALE

DEXTER Deadbolts for sale. 4009 4109 4209 Over 250 for sale. Finish: 3 & 7A. Would rather not ship, however can be neg. Call 734-668-6863 M-F 08:30 am - 05:00 pm EST. Vogel's Lock & Safe Ask for Robert.

BUSINESS FOR SALE

Lock and safe company serving south eastern Pennsylvania and southern New Jersey. Fully stocked van with G.P.S. navigation system, custom lighting

package, computer, ITL and HPC code machines, tools, inventory. Great area and customer base. Will train if necessary and help through owner transition. Call 800-648-9962.

FOR SALE

Kaba 1550-S PowerLever door lock, black body/chrome lever w/cylinder. This is an extra that we don't need; absolutely brand new, never removed from original packaging. List is \$660. Sell for \$300, which includes shipping anywhere in the contiguous U.S. Please email selectlocks@aol.com. Or write to George Kenney, 696 San Ramon Valley Blvd., Suite 221, Danville, CA 94526.

PRICE REDUCED!!

Opportunity of a Lifetime!! 28 year established, well equipped mobile lock shop. Inventory, tools, truck and monthly alarm income. Approximately \$150,000 wholesale cost. Will sacrifice for quick sale for only \$91,000!!! (Check E-Bay = DENVER LOCKSMITH) or Call: 303-795-7600 or E-mail: stan1926@quest.net.

FOR SALE

Abloy Disklock key cutting machine model 6200 with original instructions and 25 disc key blanks. No more than 100 keys have been cut on this machine, which is in like-new condition. Original price was \$1775.00. Selling price \$750.00. Includes shipping anywhere in the U.S. Contact Richard Grudens, Edison Locksmith, rgrudens1@aol.com, or fax 631-862-0319.

RELOCATE - HELP WANTED

Qualified locksmiths needed in a fast-paced commercial and residential locksmith company. Located in Charlotte, North Carolina, home of the world renowned NFL Carolina Panthers, NBA Charlotte Bobcats, and Nascar's Lowe Motor Speedway. Candidates should have minimum of 3 years' experience, good driving record, be self motivated, have good customer service skills, and be able to work unsupervised. Applicants required to pass background check and must be registered by the NC Alarm Systems Licensing Board. Benefits include: health, dental, life, 401k, paid vacation, sick days, and company vehicle. Contact information: Eastway Lock and Key, 3807 Monroe Road, Charlotte, NC 28205 Attn: Joe Merola, VP/General Manager 800-301-5397, or fax: 888-301-5397.

Classified Advertising Policy

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



associate members

Distributor

1st In Hardware, Inc.

Phone: 866-397-9900
Fax: 866-646-0045
www.1stinhardware.com

ADI Inc.

Phone: 631-692-1000
Fax: 631-692-3011

Accredited Lock Supply Co.

Phone: 800-652-2835
Fax: 201-865-0030
www.accllock.com

Ace Lock & Security Supply

Phone: 800-223-5625
Fax: 908-688-2442
www.aceclock.com

Andrews Wholesale Lock Supply

Phone: 717-272-7422
Fax: 717-274-8659
www.andrewslock.com

Boyle & Chase Inc.

Phone: 800-325-2530
Fax: 800-205-3500
www.boyleandchase.com

Chinrose International

Phone: 503-357-7553
Fax: 503-357-5522
www.chinrose.com

Clark Security Products

Phone: 888-784-1311
Fax: 619-718-7333
www.clarksecurity.com

Cook's Building Specialties

Phone: 505-883-5701
Fax: 505-883-5704

Dire's Lock & Key Company

Phone: 303-294-0176
Fax: 303-294-0198

Direct Security Supply, Inc.

Phone: 800-252-5757
Fax: 800-452-8600

Discount Key Machines.Com/Busch

Phone: 800-332-8724
Fax: 407-363-4666

Doyle Security Products

Phone: 800-333-6953
Fax: 612-521-0166
www.doylesecurity.com

Dugmore and Duncan, Inc.

Phone: 888-384-6673
Fax: 888-329-3846

E. L. Reinhardt Co., Inc.

Phone: 800-328-1311
Fax: 651-481-0166
www.elreinhardt.com

Ewert Wholesale Hardware

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

Fairway Supply, Inc.

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

Foley-Belsaw Company

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

Fried Brothers Inc.

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

Hans Johnsen Company

Phone: 214-879-1550
Fax: 214-879-1530

Hardware Agencies, Ltd.

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

IDN Incorporated

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

Instant Hardware Delivery, Inc

Phone: 800-355-1107
Fax: 800-663-8518

Intermountain Lock & Supply

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

International Electronics, Inc

Phone: 800-343-9502
Fax: 617-821-4443

Jo Van Distributors

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

Lockmasters, Inc.

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

Locks Company

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

Locksmith Ledger International

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

M. Zion Company

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

McDonald Dash Locksmith Supply

Phone: 800-238-7541
Fax: 901-366-0005
www.mcdonaldldash.com

Monaco Lock Co.

Phone: 800-526-6094
Fax: 800-845-5625
www.monacolock.com

Omaha Wholesale Hardware

Phone: 800-238-4566
Fax: 402-444-1664
www.omahawh.com

RA-Lock Company

Phone: 972-775-6301
Fax: 972-775-6316
www.ralock.com

Security Distributors Inc

Phone: 800-333-6953
Fax: 612-524-0166

Security House

Phone: 905-669-5300
Fax: 905-660-6313
www.securityhouselock.com

Security Lock Distributors

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

Shin-An Enterprise Inc.

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

Southern Lock and Supply Co.

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

Stone & Berg Wholesale

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

The Locksmith Store Inc.

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

Timemaster Inc.

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

Top Notch Distributors, Inc.

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

Turn 10 Wholesale

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

U.S. Lock Corp.

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

Wilson Safe Company

Phone: 215-492-7100
Fax: 215-492-7104
www.wilsonsafe.com

Manufacturer

A & B Safe Corporation

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

ABUS Lock Company

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

Access Security Products Ltd.

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

Adams Rite Mfg Company

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

Adesco Safe Mfg. Company

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

Adrian Steel Company

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

All Five Tool Company, Inc.

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

American Lock Company

Phone: 708-534-2000
Fax: 708-534-0531
www.americanlock.com

American Security Products

Phone: 909-685-9680X1083
Fax: 909-685-9685
www.amsecusa.com

Best Metaline Inc.

Phone: 714-441-0098
Fax: 714-441-0977

associate members

Bianchi USA, Inc.

Phone: 800-891-2118
Fax: 216-803-0202

Buddy Products

Phone: 800-886-8688
Fax: 312-733-8356
www.buddyproducts.com

CCL Security Products

Phone: 800-733-8588
Fax: 847-537-1800

COMPX Security Products

Phone: 864-297-6655
Fax: 864-297-9987
www.compxnet.com

D&D Technologies (USA), Inc.

Phone: 714-677-1300X292
Fax: 714-677-1299
www.ddtechusa.com

DETEX Corp.

Phone: 800-729-3839
Fax: 830-620-6711
www.detest.com

DORMA Architectural Hardware

Phone: 717-336-3881
Fax: 717-336-2106
www.dorma-usa.com

Datakey Electronics

Phone: 952-746-4066
Fax: 866-289-4212
www.datakeyelectronics.com

Don-Jo Manufacturing, Inc.

Phone: 978-422-3213
Fax: 978-422-3467
www.don-jo.com

Door Controls International

Phone: 800-742-3634
Fax: 800-742-0410
www.doorcontrols.com

ESP Lock Products Inc.

Phone: 800-434-8960
Fax: 978-562-9859

FireKing Security Products

Phone: 800-457-2424
Fax: 800-896-6606
www.fksecuritygroup.com

Framon Manufacturing Company Inc.

Phone: 989-354-5623
Fax: 989-354-4238
www.framon.com

HPC, Inc.

Phone: 847-671-6280
Fax: 847-671-6343
www.hpcworld.com

HY-KO Products Co.

Phone: 330-467-7446
Fax: 330-467-7442

Hammerhead Industries, Inc.

Phone: 805-658-9922
Fax: 805-658-8833
www.gearkeeper.com

Ingersoll Rand SSA

Phone: 317-613-8025
Fax: 317-613-8068
www.schlagelock.com

Jet Hardware Mfg., Co.

Phone: 718-257-9600
Fax: 718-257-0973
www.jetkeys.com

KABA ILCO Corp.

Phone: 252-446-3321
Fax: 252-446-4702
www.kaba-ilco.com

KEY-BAK/West Coast Chain Mfg.

Phone: 909-923-7800
Fax: 909-923-0024
www.keybak.com

Keri Systems Inc.

Phone: 408-451-2520
Fax: 408-441-0309
www.kerisys.com

Knaack Manufacturing Co.

Phone: 800-456-7865
Fax: 815-459-9097
www.weatherguard.com

LAB Security

Phone: 800-243-8242
Fax: 860-583-7838
www.labpins.com

La Gard Inc.

Phone: 310-325-5670
Fax: 310-325-5615
www.lagard.com

Lock America, Inc.

dba L.A.I. Group
Phone: 714-373-2993
Fax: 714-373-2998
www.laigroup.com

Lucky Line Products, Inc.

Phone: 858-549-6699
Fax: 858-549-3241
www.luckyline.com

M.A.G. Security

Phone: 714-891-5100
Fax: 714-892-6845
www.magsecurity.com

MUL-T-LOCK USA, Inc.

Phone: 800-562-3511
Fax: 973-778-4007
www.mul-t-lock.com

Medeco Security Locks

Phone: 540-380-5000
Fax: 540-380-5010
www.medeco.com

ROFU International Corp.

Phone: 253-922-1828
Fax: 253-922-1728
www.rofu.com

Rutherford Controls Int'l Co.

Phone: 757-427-1230
Fax: 757-427-9549
www.rutherfordcontrols.com

STRATTEC Security Corp.

Phone: 414-247-3415
Fax: 414-247-3692
www.strattec.com

Sargent & Greenleaf, Inc.

Phone: 800-826-7652X201
Fax: 859-885-3063
www.sargentandgreenleaf.com

Sargent Manufacturing Co.

Phone: 800-727-5477
Fax: 888-863-5054
www.sargentlock.com

Schwab Corp.

Phone: 765-447-9470
Fax: 765-447-8278
www.schwabcorp.com

Securitron Magnalock Corp.

Phone: 775-355-5625
Fax: 775-355-5636
www.securitron.com

Security Door Controls

Phone: 805-494-0622
Fax: 805-494-8861
www.sdcsecurity.com

Security Solutions

Phone: 405-376-1600
Fax: 405-376-6870
www.securitysolutions-usa.com

Townsteel, Inc.

Phone: 626-858-5080
Fax: 626-858-3393
www.townsteel.com

Trine Access Technology

Phone: 718-829-2332
Fax: 718-829-6405
www.trineonline.com

UCA Inc

Phone: 972-312-0599X12
Fax: 972-692-7056
www.ibuttonlock.com

Victor E-lok, Inc.

Phone: 949-916-1200
Fax: 949-916-1300
www.victorelok.com

Videx Inc.

Phone: 541-758-0521
Fax: 541-752-5285
www.videx.com

YSG Door

Security Consultants, Inc.
Phone: 800-438-1951
Fax: 800-338-0965

Service Organization

Allstate Insurance Company

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

Cross Country Automotive Services

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

Massglass & Door Service

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

Webster Safe & Lock Co., Inc.

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

legislative update

CBS News Report Validates ALOA's Call for "Motor Vehicle Right to Repair Act"

America's car owners are having increasing trouble getting their cars repaired, according to a recent CBS television "Consumer News Alert." John Roberts, anchor, says car dealers' service departments are gaining ground, and that could cost consumers time and money. The news segment aired last month on the "CBS Evening News with Dan Rather," which reaches millions of viewers each night.

Says David Parde, president of the Coalition for Auto Repair Equality (CARE), "The trouble is caused by the car code monopoly, which may soon become illegal if a bill soon to be reintroduced in Congress becomes law."

The Motor Vehicle Owners' Right to Repair Act is a pro-consumer bill. It's about ownership and the right of consumers to choose where, how and by whom to have their vehicles repaired, even if they wish to work on them themselves. It ensures that all vehicle owners and independent auto service centers have access to the information necessary to diagnose and repair vehicles at an affordable cost.

The bill known as The Motor Vehicle Owners Right to Repair Act gained 118 co-sponsors in the U.S. House and 11 in the U.S. Senate before the close of the 108th Congress. It is expected to be re-introduced in this next Congress.

According to Parde, "The news report clearly validates what we have been saying all along, that the car companies are trying to create a 'car code monopoly' to put the independent repair shops out of business. We hope news reports like this will spur Congress to give the green light to the 'Motor Vehicle Owners' Right to Repair Act.'"

Here are some interesting points from the news segment; note, Parde was not part of interview, we inserted his comments in brackets:

A Manhattan car dealership director openly admitted that the car companies depend on profits from service more than they do from sales. He says, "Parts and service side really is paying more and more of the bills of a business. And the industry's relying not so much on the profits from the sales and depending on service."

[Says Parde, "We have known this for years. The car makers are grabbing for a 'car code monopoly.'"] They want control of the service and repair information so that they can control the market.

A car company spokesman said, "All of our manufacturers have made the commitment and are supplying the exact same repair information to the independent technicians that we supply to the dealers now."

CBS correspondent Sharyn Alfonsi countered by saying, "But a recent survey paid for by independent mechanics found almost 60 percent of them say they couldn't access the information they needed, and more than 50 percent turned away customers."

Surprisingly, the Manhattan dealer concurred. He stated that the "the dealership definitely has a leg up" (on independent repair shops). He stated that 'the dealership gets their soft-

ware updated daily by a satellite link from the manufacturer, and that they couldn't do their jobs without it." Alfonsi summed up the segment by saying, "Meaning drivers may have to rely on the dealership to get that 'check engine light' fixed. And while that could drive some consumers crazy, it might also drive the independent mechanic out of business for good."

CARE represents companies in the automotive aftermarket, among them: The Associated Locksmiths of America, NAPA, Midas, CARQUEST, AutoZone, Advance Auto Parts, O'Reilly's, Jiffy Lube and CSK (parent company of Checker, Schucks, Kragen). The automotive aftermarket is a \$200 billion a year industry employing up to five million people in over 495,000 locations.

Association Health Plan Update!

The House Education and Workforce Committee approved H.R. 525 (The Association Health Plan Bill) on a party-line vote of 25-22 this past week. The committee debated approximately 10 amendments, which mostly consisted of proposals offered by committee Democrats to require Association Health Plans (AHP's) to comply with certain mandated benefit requirements. All of these amendments were defeated, mostly on straight party-line votes.

In addition, Rep. Charlie Norwood (R-GA) offered an amendment to strike the provision in H.R. 525 that would allow AHPs to adjust contribution rates based on health status to the extent such rating is allowed under the state law in which the employer is located. There was substantial debate on this amendment and it was defeated on a 24-24 tie vote (amendments that receive a tie vote are not agreed to). The Norwood amendment would strike section 805 (a)(2)(B) (ii) (attached is the text of the Norwood amendment). The Norwood amendment received the support of all committee Democrats, Norwood and freshman Republican Rep. Tom Price of Georgia.

If you have questions or comments about the Norwood amendment and its implications (it is certainly possible this issue will again be raised when the Senate considers the bill), please let me know.

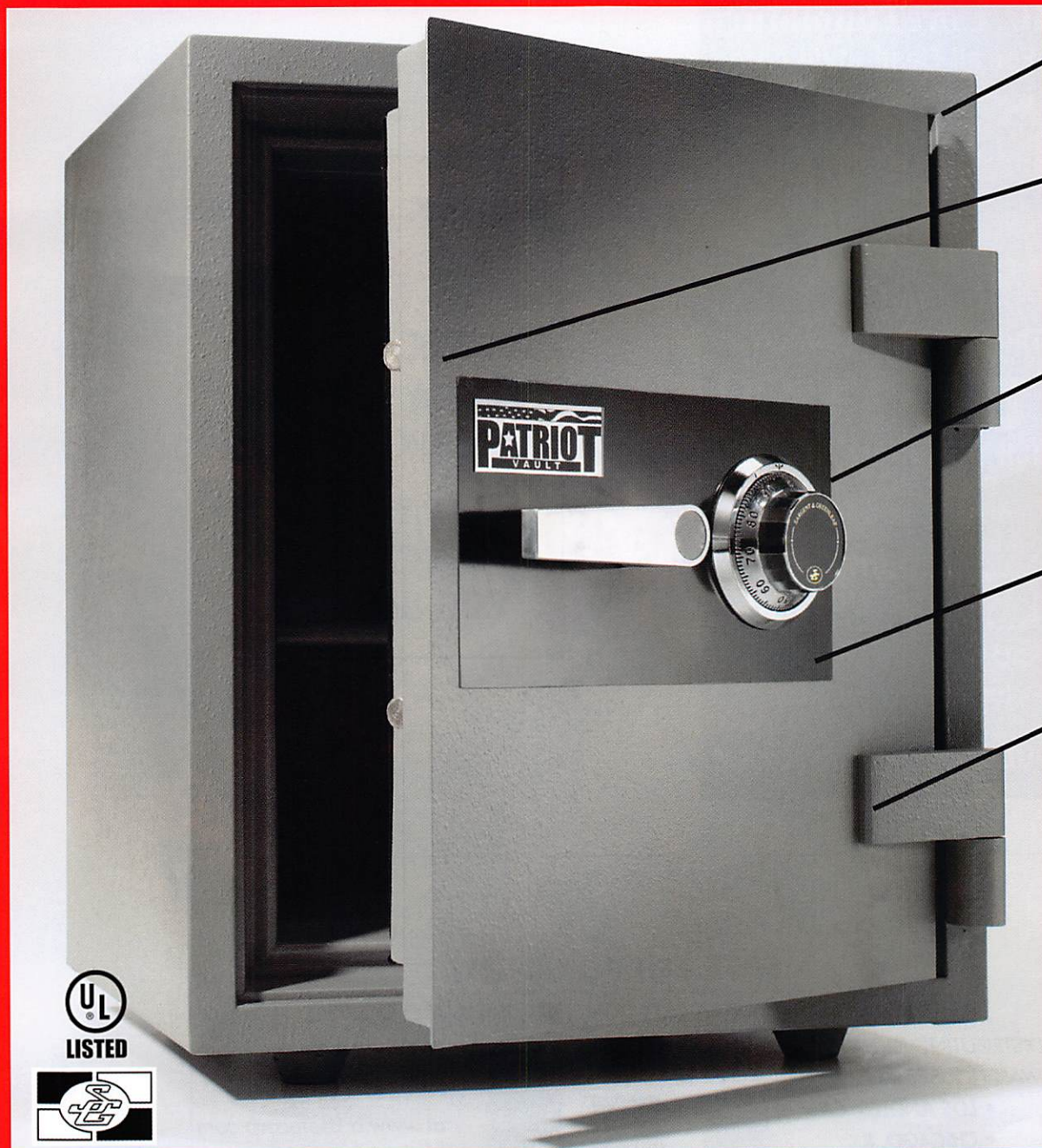
Many thanks to Chairman John Boehner (R-OH) and Employer/Employee Subcommittee Chair Sam Johnson (R-TX) for their usual strong leadership in shepherding H.R. 525 through the committee process once again. Also, many thanks to Reps. Nydia Velazquez (D-NY) and Al Wynn (D-MD), who garnered the signatures of 14 House Democrats (not on the E&W Committee) on a letter to Chairman Boehner in support of H.R. 525 (let me know if you would like a hard copy of this letter).

The next step of course will be consideration of H.R. 525 on the House floor, which will likely take place sometime this spring. I will let you know as soon as we have a better idea of exactly when floor consideration will take place.

Regards,



THE LAST GREAT ★★★ AMERICAN FIRE SAFE

**BODY & DOOR:**

Thick outer and inner steel plates encase high density fire barrier material.

BOLTWORK:

3-way boltwork with 6 massive 1" diameter solid steel bolts

LOCK:

UL-listed high security Group II combination lock. Drill-resistant steel hardplate.

RELOCKER:

Independent spring-loaded relocker

HINGES:

Heavy duty, adjustable solid steel block hinges

ADDITIONAL FEATURES

Light gray finish
Adjustable shelving
Mounted on 4 rubber feet (removable). Pre-drilled boltdown hole.

OPTIONS

Electronic digital pushbutton locks.
Additional shelving available.

MADE IN THE USA

UL Class 350 1 Hour Fire & Impact Rated - 3 Sizes Available



DEFIANT SAFE COMPANY Dallas, Texas

1-800-225-2984

KEYNOTES

BUYER'S MARKETPLACE

IC CoreThumbturn
For all Best® style cores

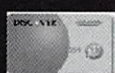


The only place you can get

I-CORE™

Toll Free 1 (866) 839-6286

FREE shipping on
orders of 10 or more
(within the 48 United States)



**C.O.D. orders accepted for
Institutional customers**

FULLER BROS. LOCK, INC.

IN-STOCK...MORE SAFES

FREE Freight Program
(30 States)

AMSEC

FireKing

Gardall

HAYMAN

MEILINK

VICTOR

TURN 10
WHOLESALE SERVICE

800-848-9790



SAFE CORPORATION

MANUFACTURES OF QUALITY DEPOSITORY SAFES AND CHESTS

**DISTRIBUTING FROM
WAREHOUSES IN**

- **LOS ANGELES, CA**
- **CHICAGO, IL**
- **GLASSBORO, NJ**

A & B is now a stocking distributor
for Mutual Safes
featuring



AB-4-30-3S



AB-9-2



WS 10-2

Chose from over 75 models in stock

We ship your order within
24 hours

See us
at www.a-bsafecorp.com

800-253-1267

Fax 856-863-1208

**CALL FOR YOUR
CATALOG TODAY**

call me.



which one catches your attention?

Bigger is sometimes better. And when someone is in need of your services, you want to take every opportunity to make your name prominent in the minds of searching consumers.

Introducing a new advertising solution from ALOA. At our new public locksmith search site, findalocksmith.com, you can now purchase an ad for your business that will shine brightly on the results page whenever someone searches for a locksmith in your zip code. The initial cost is only \$30.00, and each additional zip code you add is only \$5 extra. Don't miss this great opportunity!

Call Kim Hammond at 817-645-6778 for details.

Spaces for each zip code are limited. Call to reserve yours now!



about the authors

Greg Perry, CML, CPS

Greg Perry, CML, CPS is a Certified ACE Instructor, a long-time member of ALOA and SAVTA and has taught access control and safe lock classes on a local and national basis. He is the author of the SafeData CD Rom database reference program and has written numerous articles for Keynotes, Safe and Vault Technology and other publications. Greg has been the recipient of Keynotes' Author of the Year Award twice (in 2002 and 2003).

T.F. Stern, RL

T. F. Stern is owner and sole operator of T. F. Stern & Co. in Houston, Texas. T. F. has been involved in the locksmith business since 1976 specializing as a mobile automotive locksmith, servicing car dealerships, dealership referrals and providing retail locksmith services with no set hours of operation. T.F. has trained several qualified locksmiths in the Houston area, not for them to be employees; rather for them to realize their own dream of becoming professional locksmiths and owning their own businesses.

Robert Schuetrumpf, CRL

Robert Schuetrumpf, CRL, has over 24 years of experience in the locksmith trade and has been employed by the College of New Jersey in the office of Access Control Services since March, 2003. He is currently the president of the Greater Philadelphia Locksmiths Association. This is his first article for Keynotes.

Eric Costley, CRL

Eric Costley, CRL, has been active in the locksmith industry since 1980. He has a bachelor's degree from Gardner-Webb University, and has worked in shops in Arizona, North Carolina and New York. He is currently employed by Bill's Locksmithing in Elmira, New York. Eric's hobbies include music and raising tarantulas.

Claire Cohen

Claire L. Cohen, the second woman to become a CML, has been in locksmithing since 1977, and has been writing articles for Keynotes since 1987. She is also a contributing editor for Keynotes, and received the 2001 Keynotes Author of the Year Award. She is only the second woman to receive that honor.

IN THE WAR ON CRIME,
YOU DON'T NEED A PADLOCK,
YOU NEED AN ARSENAL.

You're constantly fighting crime on many fronts. That's why we manufacture a complete line of commercial padlocks, each one tough enough to be called a Master Lock. It's the name trusted the world over for quality padlock security. Whether you're battling theft, unauthorized entry or the elements, we can arm you with a solid solution for any industrial application, even safety lockout. So make our commercial line your first line of defense. For more information, contact your local distributor, or call 1-800-308-9244.



Master Lock®

color that
Springs
to life...



also available:

Black	Fire Engine Red
Pewter	Purple Grape
Bright Nickel	Construction Orange
Brass Plated	Cobalt Blue
Hot Pink	

SearchAlert®



Prevents Surreptitious Entry at Airports.

Know when your bag has been searched by
a TSA agent or violated by an unknown person.



Recognized by the TSA

Security Window

 lock has been opened
 lock not opened

CF
Security Products™

301 West Hintz Road • Wheeling, IL 60090
800.733.8588 • Fax: 847.537.1881 • www.cclsecurity.com