



Founded In 1949

THE PROFESSIONAL LOCKSMITH

Official Publication of the
Greater Philadelphia Locksmith Association

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WWW.GPLA.ORG

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**Our next meeting will be on
May 20, 2024**

In the Pennsauken Country Club

Dinner 7:00, Meeting at 7:45

**Come prior to 7:00 for dinner. Dinner will be served at
7:00 @ \$25.00 Per person or just show up at 7:45 to attend
the meeting at no charge.**

PROGRAM

Diane Humphrys

Town Steel

Anti ligature Hardware, etc.

Thanks to Bill Neff

ID Cards will be available

PRESIDENTS MESSAGE.

Hello GPLA members and friends,

Spring has arrived and we are just over 4 months away for the 75th Anniversary Convention. The convention committee is getting into gear and making plans for a memorable event. If you would like to serve on any of the numerous convention committees, please reach out to our convention chairman Sven Hellwig or any of the other committee members. The more hands that get involved will make the task easier and provide everyone with a great time to remember.

The ALOA Convention is coming up in the end of July in Las Vegas and they are offering a good selection of classes as well as a product exhibit if you're able to make the trip. Judy and I will be going and several other GPLA members are regulars as well, representing GPLA and encouraging those we see to come to our convention. There are many other attractions in and around Las Vegas such as the Hoover Dam and the Grand Canyon, which can take you away from everything if need some time away.

Did you make those summer plans yet for vacation or time off? Do not forget to take time off to spend with family and friends as well as give yourself a chance to take a break and recharge those batteries. If you are like most shops these days business has been very good, maybe very hectic at times, and the time off can give you the break we all need sometimes. I recently lost a friend who was a few years younger than me and contemplating retirement, so make the most of your time off and do not let making plans for the future always be something you'll put off until tomorrow or next week.

The May 20th general meeting will be at the Pennsauken Country Club, which we have been to numerous times for meetings, and please take the time to RSVP to Marty Arnold so he can give them a close count.

We are looking forward to another good turnout. Thank you and take care.

Respectfully,
Ed Fitzgerald, CML
President

SOME HUMOR

It has come to my attention that Veganism and Communism share more than just a rhyming similarity. They both sound great on paper until you realize you enjoy food.

Minutes of the March 2024 GPLA General Membership Meeting

The GPLA General Membership Meeting was held at Tiffany's On The Blvd on March 18, 2024 and was called to order at 7:30 PM by President Ed Fitzgerald.

Sergeant at Arms Barry Wilensky lead us off with the Pledge of Allegiance.

President Ed Fitzgerald welcomed the following guests: Marie Nimmo, guest of Mike Nimmo, Devin Kramer, guest of Ken Keamer, Emmy Armenakis, guest of Jimmy Armenakis and Stephanie Marcinkowski, guest of Ron Marcinkowski

President Ed Fitzgerald welcomed and introduced our program guest Russ Anderson from INBOX.

Program: Russ Anderson of INBOX gave a gave an interesting and informative presentation on access control in a box

Previous Meeting Minutes: Ron Marcinkowski approved the previous minutes as printed in the Newsletter with a second from Larry Schwalb and was approved unanimously by the Membership.

Treasurer's Report: Treasurer Marty Arnold reported submitting a financial report for the month of January at the February Board meeting and was approved unanimously. Marty added that he emailed the February financial report to the Board members and the report will be voted on the next Board meeting on April 1. Marty then added that he filed the GPLA taxes for the year 2023.

Correspondence In and Out: Dana Barnum stated that he received two Correspondence, one asking about becoming a Locksmith apprenticeship and one about what courses are upcoming.

President's Report: President Ed Fitzgerald thanked Sven Helwig for arranging the meeting. Ed stated that the latest GPLA membership rosters are available for pickup. Marty Arnold added that the GPLA ID cards will be available at the next meeting. Ed then added that the GPLA Convention scholarships applications are coming in and then mentioned if you know of anyone interested to please apply. Cliff Shafer stated that there are 14 applications that come in and there are 15 scholarships available. Cliff then added that the deadline for applying for the scholarships will be mid June. Ed mentioned that the SAVTA Convention & Trade Show 2024 will be April 22 – 27 in Tulsa, OK. Ed then added that he will be attending the ALOA Convention in Las Vegas, dates July 22 – 28. Ed stated that the next GPLA General Meeting will be held on Monday May 20th and to watch your Newsletter, GPLA Website and Constant Contacts for information on our meeting.

Membership: Nothing to report.

Education: No classes to report at this time. Cliff Shafer noted that he may have a volunteer to take over as Education Chairperson. Ed Fitzgerald added that SJLA will be having a NJ Mandatory CEU Class on March 26, 2024 at the Winslow Family Diner in Sicklerville, NJ.

Health and Welfare: Marty Arnold stated that his wife Nelly is doing a lot better. Barry Wilensky mentioned that Arnie Rabinowitz has been in the hospital and rehab since late December with salmonella poisoning and hopefully be back home in the next couple days. Barry then added that Arnie was glad to hear from him and hoping to come back soon. Dana Barnum stated that his wife Diana is doing well after chemotherapy

Communications: Nothing to report.

Newsletter: Marty Arnold stated that as far as he knows everyone received the GPLA Newsletter. Marty added that he will not be offended if someone would take over the Newsletter.

Building: Ron Marcinkowski stated that he is looking for someone to take over the Building Committee.

MINUTES CONTINUED ON NEXT PAGE

MINUTES CONTINUED

P.A. Legislation: Nothing new to report.

N.J. Legislation: Ed Fitzgerald stated that Holly Wolf and John Rutencutter went to the State License and Registration advisory committee and asked if vehicle repossession agents are required to have a Locksmith license. Ed then added that the information will be taken to the Director for review.

By-Laws: Nothing new to Report.

Convention: Sven Hellwig stated that they had a great start bringing everything together. Sven added that John Williams has all the classes selected and you can see them on the GPLA website. Sven then added that there are still a few rooms in the hotel left and you can book a room through the GPLA website. Sven then added that they will be doing something fun on Friday night. Ed Fitzgerald mentioned that he hopes to start sending out contracts for the vendor and that there is space for more vendors. Cliff Shafer stated that he sent out postcards and sent out a constant contact about the convention. Sven added that make sure you let as many as you can know about the Convention.

Old Business: Cliff Shafer thanked the members who helped clean out the GPLA headquarters. Cliff stated that his scrap metal person removed close to 2000 pounds of steel.

New Business: Nothing new to report.

Good of the Association: Steve Kaufman mentioned that on March 26 the Assa Abloy truck is coming to IDN Hardware and they will be serving BBQ. Larry Schwalb stated that he was talking to a Postal worker who stated that the Post Office is phasing out the Arrow locks and keys and replacing the lock with an electronic lock. Sven Helwig added that NASTF passed legislation to add a NASTF number to automobile programmer as well as registering your programmer with NASTF to help prevent automotive theft. NASTF has been working with automotive manufactures to implement the new security feature in new cars. Ed Fitzgerald added that Alex Howe is retiring from Allegion and is being replaced by Bill McNiff.

Barry Wilensky announced that tonight the 50/50 cash prize is \$35 and a few other nice prizes.

A motion to adjourn the meeting at 8:30 was made by Sven Helwig and was seconded by Barry Wilensky.

Respectfully submitted,
Maurice Onraet, Recording Secretary

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Flipper Zero: A Tool for Understanding and Exposing Access Control Vulnerabilities

In the world of digital security, the Flipper Zero stands out as a multifunctional tool that has captured the attention of both cybersecurity professionals and hobbyists. Launched through a wildly successful Kickstarter campaign, this compact device offers a user-friendly gateway to the intricate world of access control systems, highlighting inherent security risks that many organizations may overlook.

What is Flipper Zero?



Flipper Zero is a portable, multi-functional device that allows users to interact with a wide range of digital protocols and technologies, including RFID, NFC, Bluetooth, and radio frequencies, among others. Its design is inspired by the classic Swiss Army knife, offering a variety of tools in a single, compact form factor. This device is not only geared towards security researchers but also caters to enthusiasts interested in exploring the digital world around them.

How Flipper Zero Exposes Security Risks

One of the most significant capabilities of the Flipper Zero is its ability to test and manipulate access control systems, such as those used in door entry systems and vehicle locks. Here are some ways in which it exposes security vulnerabilities:

- 1. RFID and NFC Testing:** By emulating and cloning RFID and NFC tags, the Flipper Zero can test the robustness of systems relying on these technologies. This exposes vulnerabilities in access controls that do not implement advanced encryption or secure authentication protocols.
- 2. Radio Frequency (RF) Analysis:** The device can transmit and receive RF signals, allowing users to probe wireless systems, including garage doors and remote controls. This can reveal security flaws in systems that use outdated or unencrypted RF communication protocols.
- 3. Bluetooth and Wireless Testing:** With capabilities to interact with Bluetooth devices, Flipper Zero can identify and exploit weaknesses in wireless communication systems. This includes testing for weak pairing mechanisms and vulnerabilities in Bluetooth Low Energy (BLE) implementations.

Implications for Security

Defending against a Flipper Zero when it comes to access control systems involves a few strategies to enhance security and reduce vulnerabilities. The Flipper Zero is a multi-tool device capable of interacting with various electronic devices and systems, including RFID, NFC, and other radio protocols, which can potentially be exploited to gain unauthorized access. Here are some measures to consider:

1. **Use Encrypted and Secure Communication Protocols:** Ensure that all communication between access cards, readers, and controllers uses strong encryption. Technologies like AES encryption for RFID systems can prevent unauthorized devices like the Flipper Zero from capturing and cloning access credentials.
2. **Implement Advanced Access Control Features:** Utilize access control systems that support advanced features like mutual authentication and dynamic keys. This makes it more difficult for devices to mimic legitimate access credentials.
3. **Regularly Update and Patch Systems:** Keep all components of your access control system (hardware and software) updated with the latest security patches and firmware updates to protect against known vulnerabilities.
4. **Use High-Frequency RFID Systems:** If possible, use high-frequency RFID systems (such as those operating at 13.56 MHz) with advanced security features like encrypted data storage and protected communication, which are generally more secure than low-frequency systems.
5. **Physical Security Measures:** Implement physical security measures such as guards, surveillance cameras, and secondary verification systems (e.g., biometric scanners) to add an additional layer of security beyond electronic access controls.
6. **Monitor and Audit Access Logs:** Regular monitoring and auditing of access logs can help identify any unusual access patterns or attempts, which could indicate an attempt to use devices like the Flipper Zero for unauthorized access.
7. **Educate and Train Staff:** Ensure that all employees are aware of the potential security threats like Flipper Zero and train them on security best practices and how to report suspicious activities.

Implementing these strategies can significantly increase the security of access control systems against unauthorized access attempts using tools like the Flipper Zero.

Conclusion

While the Flipper Zero is a powerful tool for security testing and education, its widespread availability also poses challenges. It underscores the need for better security practices in industries reliant on digital access controls. By bringing these vulnerabilities to light, Flipper Zero not only serves as a tool for learning and exploration but also acts as a catalyst for improving security standards across various technologies. As we move further into an interconnected world, understanding and addressing these security risks is more important than ever.



MEMBERSHIP NOTES

One of our members, Arnie Rabinowitz, CRL has been sick and in and out of Hospitals and rehabs since the end of last year. It has come to my attention that he is finally out of the Hospital and doing physical therapy and recovering at home! WOOHOO!!!! If any of the membership would like to send Arnie a card, they can be sent to:

Arnie Rabinowitz

473 Highland Terrace

Holmes, PA 19043

Rosemarie Handschuh, my Grandmother, had a minor stroke. She is doing well and has been moved to a rehab facility. We ask that you keep her in your prayers.

After being our Editor for over 5 years, Marty has retired from this position. He surely will be missed. We all thank you for your amazing service and incredible dedication to our organization! It is an honor to take care of this publication moving forward. Please feel free to reach out to me with material you would find interesting. Anything you feel should be represented; I will happily consider. Thank you for this wonderful opportunity!

As you may be aware, my wife Becky was pregnant. I am happy to announce that on April 22nd at 1:29am **BABY JOHN WAS BORN!!!!** Named after my late Grandfather John, I am proud to introduce him to the membership. Such a little Bruiser.



NASTF UPDATE



To Whom It May Concern:

We've received some questions regarding the recent National Automotive Service Task Force (**NASTF**) announcement and their standards.

Ilco and Advanced Diagnostics (**AD**) have not been approached by NASTF; however, we're following updates as they become readily available to us. Our focus continues to remain bringing you the best automotive programming solutions available to the market and serving our customers.

Please do not hesitate to contact your local salesperson or customer service representative should any questions arise.

Thank you for your attention in this matter,

Kaba Ilco Corp.

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ALOA
2024 LAS VEGAS
TRANSFORM YOUR FUTURE

Come build a site map for your career at the industry's premier event. ALOA 2024 in Las Vegas is where you can be taught about the latest technology through five days of hands-on classes, two days of the Security Expo and countless unscheduled learning opportunities in between.

Join us at the South Point Hotel & Casino for unparalleled networking. The connections you make at ALOA 2024 will help you develop the components for a brighter future!

The Future Is in Your Hands at ALOA 2024

Contact conventions@aloea.org or (214) 819-9733 for questions.

ALOA 2024 | South Point Hotel & Casino | Las Vegas.

67th Annual ALOA Convention & Security Expo | July 22-28, 2024

Two well known GPLA Members make the Centerfold of ALOA Keynotes Convention Advertisement... And they didn't even have to take their clothes off!

Upcoming Events

*All event pictures are hyperlinked to locksmith ledgers page with more information

DHI Spring Classroom Series

April 29, 2024 - May 3, 2024
April 29-May 3: Charlotte, NC



2024 Locksmith Pro Expo: Unlocking the Road Ahead

April 30, 2024 - May 3, 2024
April 30-May 3: Milwaukee



IDN-St. Louis Trade Show

May 17, 2024 - May 17, 2024
May 17: St. Louis, Missouri



American Key Supply 2nd Annual Locksmith and Security Pro Trade Show & Swap Meet

May 18, 2024 - May 18, 2024

May 18: Las Vegas



ESX Expo 2024

June 3, 2024 - June 6, 2024

June 3-6: Louisville, Kentucky



Southern Lock & Supply Trade Show and Learning Expo

June 12, 2024 - June 14, 2024

June 12-14: St. Petersburg, Florida



IML 2024 Denver Expo

June 18, 2024 - June 20, 2024
June 18-20: Denver, Colorado



ALOA 2024

July 22, 2024 - April 28, 2024
July 22-28: Las Vegas



GPLA 75th Anniversary Convention

Sept. 25, 2024 - Sept. 29, 2024
Sept. 25-29: Philadelphia



Yankee Security Convention

Oct. 23, 2024 - Oct. 27, 2024



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Gerald J. Connelly, Jr.



Founded In 1949



M. Leonard Singer

GPLA MEMBER APPLICATION FOR A SCHOLARSHIP

Name: _____ GPLA Member #: _____

Home Address: _____ City: _____ State: _____ Zip: _____

DOB: _____ Home Phone: _____ Cell: _____

Employer: _____ Supervisor's Name: _____

Work Address: _____ City: _____ State: _____ Zip: _____

Work Number: _____ Position: _____

Type of classes desired: _____

Length of time in Locksmithing: _____ Previous Recipient? No _____ Yes _____ If yes when? _____

Please write a few sentences telling us why you would like to be considered as a recipient for this Scholarship:

Please return completed application to:
Cliff Shafer, c/o CLC Locksmiths, 2103 Branch Pike, Cinnaminson, NJ, 08077-3044
OR — FAX to 856-829-4088

Signature: _____ Date: _____

Do not write below this line



I'll drink to that !

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The annual cost of a web ad, linked to your site is \$300.00. The web ad will also be posted in our monthly newsletter.

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Place copy in PDF format below and E-mail to Editor Jim Handschuh, Jr.

@jhandschuh@gmail.com