

# Low Tech Hacking: Street Smarts for Security Professionals

By Jack Wiles, Terry Gudaitis, Jennifer Jabbusch, Russ Rogers, Sean Lowther

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**Low Tech Hacking: Street Smarts for Security Professionals** By Jack Wiles, Terry Gudaitis, Jennifer Jabbusch, Russ Rogers, Sean Lowther

*Low Tech Hacking* teaches your students how to avoid and defend against some of the simplest and most common hacks. Criminals using hacking techniques can cost corporations, governments, and individuals millions of dollars each year. While the media focuses on the grand-scale attacks that have been planned for months and executed by teams and countries, there are thousands more that aren't broadcast. This book focuses on the everyday hacks that, while simple in nature, actually add up to the most significant losses. It provides detailed descriptions of potential threats and vulnerabilities, many of which the majority of the information systems world may be unaware. It contains insider knowledge of what could be your most likely low-tech threat, with timely advice from some of the top security minds in the world.

Author Jack Wiles spent many years as an inside penetration testing team leader, proving that these threats and vulnerabilities exist and their countermeasures work. His contributing authors are among the best in the world in their respective areas of expertise. The book is organized into 8 chapters covering social engineering; locks and ways to low tech hack them; low tech wireless hacking; low tech targeting and surveillance; low tech hacking for the penetration tester; the law on low tech hacking; and information security awareness training as a countermeasure to employee risk.

This book will be a valuable resource for penetration testers, internal auditors, information systems auditors, CIOs, CISOs, risk managers, fraud investigators, system administrators, private investigators, ethical hackers, black hat hackers, corporate attorneys, and members of local, state, and federal law enforcement.

- Contains insider knowledge of what could be your most likely Low Tech threat
- Includes timely advice from some of the top security minds in the world
- Covers many detailed countermeasures that you can employ to improve your security posture

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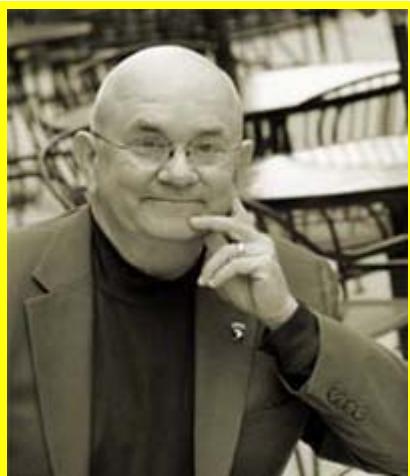
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## Editorial Review

Amazon.com Review

### **Top 10 List of Just a Few Things to Consider About the Locks that We Use at Home and at Work to Hopefully Make Physical Security *Really* Secure**

By Jack Wiles, AKA “Low Tech Jack,” Lead Author, *Low Tech Hacking*



Jack Wiles

- 1. Learn More About Locks.** Modern pin tumbler locks have been around, and virtually unchanged, since the mid 1800s. They have remained a mystery to most people until the Internet made the world a much smaller place. It's encouraging to see more people take an interest in learning how locks work, and how vulnerable some of them are to being bypassed using some very low-tech methods.
- 2. Check Your Locks.** Locks are obviously mechanical devices and subject to mechanical malfunction. In every inside penetration test that I took part in, we found at least one lock that was not functioning because of lack of preventative maintenance or improper installation.
- 3. Buy Good Locks.** When I'm in the hardware section of a store that sells locks, I like to watch people as they go about the process of selecting a lock for their home or school locker. Since most locks look pretty much the same on the outside, most people select the least expensive lock that they can find. These locks might work just fine, but from a security standpoint, as is usually the case, we get what we pay for. Invest just a little more and buy good locks.
- 4. Who Has The Keys To Your World At Work?** Key control is absolutely critical in the business world. Many buildings have Master, Grand Master, and even Great Grand Master key coding systems. Many of these key systems have remained unchanged for years. It's important to know where these master keys (or any building keys for that matter) are, and who has copies of them. This is certainly the case if the keys use a key blank that is somewhat common and easily duplicated. I've been amazed to see the number of different key blanks that small key cutting vendors have on hand at local flea markets where keys can be duplicated for about \$1, no questions asked.

**5. Audit Your Locks.** I've been preaching about the need to audit locks for many years now. I'm talking about a close functionality audit to insure that the locks are working properly, are installed properly, and that they show no signs of being tampered with, to include picking attempts. This audit could also be good Risk Management Due Diligence on an audit report.

**6. Check Out YouTube.** "If it's on YouTube, you had better know about it." While we were writing *Low Tech Hacking*, I found myself making that statement several times. YouTube is a great place to learn for the Good Guys, as well as any Bad Guys who want to see how things are done. If a picture is worth a thousand words, just how much is a 10- to 20-minute detailed video worth? If a lock picking or bypass method that describes the kind of locks that you have or use is described anywhere on the Internet, it's a good idea for you to know about it. The Bad Guys probably do!

**7. Start a Lock Sport Enthusiast Group.** When I started to learn about locksmithing back in the early 1970s, there were no lock sport enthusiast groups anywhere that I am aware of. Locksmithing and lock picking were more of a secretive art, and not something that the average person knew anything about. Two groups that I am aware of that encourage enthusiasts to make lock picking a sport, FALE Association of Lock Picking Enthusiasts and TOOOL The Open Organisation of Lockpickers, have websites where you can learn a lot about these interesting semi-ancient puzzles.

**8. Don't Forget About Your Locks At Home.** You just purchased a new (or new to you) home. Who has the keys to your new world? Unless your new home has very high security locks installed, you have no way of knowing who has a copy of the keys. For a home, I always suggest having the locks re-keyed, or installing new locks that you know won't work with whatever old keys are out there. That won't stop other methods of entry past those locks, but it will stop the lowest tech entry method of simply opening the door by using a copy of the original key. Key control and lock bypass methods in buildings is another story, and just as critical. That subject is addressed in our new *Low Tech Hacking* book in more detail than I can cover here.

**9. Train Your Staff.** Security Awareness Training is the most effective and overall least expensive security countermeasure that you can employ. Throughout the past 20 years, I have personally trained over 10,000 people in some form of awareness training, so I know how effective it can be. Employees want to help with security, and they will become an additional set of eyes and ears for a company when they are taught how important they are as a part of the security team. I don't provide awareness training anymore, so I'm not trying to sell training by this statement. It is important enough of a subject to me that I did have Mr. Sean Lowther write a complete chapter on the subject in our *Low Tech Hacking* book.

**10. Purchase Deviant's Book--*Practical Lock Picking*.** I really like *Practical Lock Picking* by Deviant Ollam (Syngress 2010). Our *Low Tech Hacking* book covers a number of other lock bypass methods, and we recommend Deviant's book to everyone interested in learning more about the art (and possible new hobby) of lock picking.

## Review

*"In Low Tech Hacking: Street Smarts for Security Professionals, the authors, all information security veterans, bring their collective experience to the printed word and show how low-tech hacks can be just as devastating as a large-scale directed attack...Overall, [it] is a valuable reference for security professionals to use to ensure they are securing their networks adequately, to fend off the average attacker...The authors have written a book that is light on theory, but heavy on actionable things the reader can quickly do to secure their network. And that is a very good thing."--Security Management, February 2013 and other publications*

*"In the age of extreme technology, the defenders have made Low Tech a low priority, concentrating more on the common high tech solutions intended to protect organizations. But attackers are resurrecting the art of Low Tech Hacking. The techniques discussed in this book are given new life because they allow attackers to strike at the weakest links: human and physical. This book is the right tool to bring the Low Tech back into focus."*--**Greg Miles, Ph.D., CISSP, CISA, Principal at Peak Security, Inc.**

*"Low Tech Hacking is perfect for waking people up to the dangers that lurk on the Internet and especially in their physical environment. All chapters are littered with helpful tips and warnings, which more often than not include the authors' 'war stories' as illustrative examples. And even though the book has been written by five different authors, they all do a great job at keeping the explanations and examples clear and concise, and at making us think for ourselves and consider things we never marked before. In short, I would effectively recommend this book to everyone."*--**Net-Security.org**

*"While the media focuses on grand-scale hacking, companies are losing money every day from simpler hacking techniques. This book, by Jack Wiles, Terry Gudaitis, Jennifer Jabusch, Russ Rogers and Sean Lowther, details less sophisticated hacking techniques, such as social engineering, wireless hacking, and surveillance to gain valuable data, and offers countermeasures."*--**iWeek Magazine.com**

*"All in all, Low Tech Hacking is a great overview of unconventional offensive and defensive methods to secure an organization. It will not make testers experts on physical security or wireless attacks all of a sudden, but it is a lively and useful starting point for further reading and training and a handy reference during an audit, too."*--**Computers and Security 31 {2012} 738**

#### From the Back Cover

Criminals using hacking techniques can cost corporations, governments, and individuals millions of dollars each year. While the media focuses on the grand-scale attacks that have been planned for months and executed by teams and countries, there are thousands more that aren't broadcast. *Low Tech Hacking* focuses on the everyday hacks that, while simple in nature, actually add up to the most significant losses. Attackers are using common techniques like social engineering, wireless hacking, and targeting and surveillance to gain access to valuable data. This book contains detailed descriptions of potential threats and vulnerabilities, many of which the majority of the information systems world may be unaware. Author Jack Wiles spent many years as an inside penetration testing team leader, proving these threats and vulnerabilities exist and their countermeasures work. His contributing authors are among the best in the world in their respective areas of expertise.

#### Users Review

##### From reader reviews:

##### **Cinthia Beltran:**

In this 21st centuries, people become competitive in every way. By being competitive now, people have do something to make them survives, being in the middle of typically the crowded place and notice by means of surrounding. One thing that often many people have underestimated that for a while is reading. That's why, by reading a e-book your ability to survive improve then having chance to stay than other is high. In your case who want to start reading some sort of book, we give you this particular *Low Tech Hacking: Street Smarts for Security Professionals* book as beginning and daily reading guide. Why, because this book is greater than just a book.

**Marie Velasquez:**

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**Jennifer Shipley:**

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**Jennifer Williams:**

Spent a free a chance to be fun activity to try and do! A lot of people spent their leisure time with their family, or their very own friends. Usually they accomplishing activity like watching television, planning to beach, or picnic in the park. They actually doing ditto every week. Do you feel it? Do you need to something different to fill your own personal free time/ holiday? Can be reading a book may be option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of reserve that you should read. If you want to try out look for book, may be the e-book untitled Low Tech Hacking: Street Smarts for Security Professionals can be very good book to read. May be it could be best activity to you.

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