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BOOK REVIEWS

ARREST BY POLICE COMPUTER

By JOHN C. MURPHY

Publisher: Lexington Books
D.C. Heath & Company
Lexington, Massachusetts

Type: Hardbound
140 pages
Price: \$15.00

This book was written while the author was a visiting fellow with the National Institute of Law Enforcement and Criminal Justice. The author was deeply concerned with bail and extradition reforms, and had written articles and consulted on the former topic. In his book, Mr. Murphy writes about the effects that computer use by the police has on bail and extradition.

The book is divided into eight chapters, dealing with topics such as the use of computers to identify wanted persons, and arguments in favor of the revision of extradition laws and the bail retrieval system. The title of the book, "Arrest by Police Computer," is misleading. If the reader is interested in an exhaustive study of the use of computers in the apprehension and identification of fugitives, this is not the book. Only the first few chapters directly concern the use of computers in the arrest process. However, a reader interested in a concise discussion of those topics, as well as an extensive discussion of reforms in the bail and extradition systems, will find this book very useful.

COMPUTER CRIME INVESTIGATION MANUAL

By TIMOTHY A. SCHABECK

Publisher: Assets Protection
500 Sutter Street, Suite 503
San Francisco, California 94102

Type: Softbound
450 pages
Price: \$39.95

This manual was written to provide the attorney, auditor, and investigator with a reference handbook on the methods and techniques for investigating and prosecuting computer criminals. It is intended as a tool for everyday use, and focuses on how professional

investigators have conducted actual investigations into computer crimes.

The manual provides a concise overview of computer hardware, software, job functions, operations, and peripheral equipment. Investigative methodology and techniques unique to computer crimes are covered in steps, progressing to the more technical computer crimes. The manual also addresses evidence gathering, examination and presentation at trial, and investigative auditing.

COMPUTER FRAUD AND COUNTERMEASURES
By LEONARD I. KRAUSS AND AILEEN MACGAHAN

Publisher: Prentice-Hall, Inc.
Englewood Cliffs, NJ 07632

Type: Hardbound
509 pages
Price: \$28.50

Although the authors state that they address their book to business executives, financial and administrative officers, data processing managers, systems analysts, auditors, corporate and computer security supervisors and law enforcement investigators, attorneys and anyone who deals in the area of computer crimes will find the volume both useful and interesting. The book addresses computer fraud prevention and detection. The authors present ideas for the investigation of such crimes, as well as various deterrents. Finally, the book deals with the areas of loss recovery and risk management.

The volume is divided into fifteen chapters and broken into four sections, each one a progression in understanding and in dealing with computer crime.

Section One is appropriately entitled "Understanding the Problem," and deals with how computer fraud occurs. Chapter One uses capsule case histories to give the reader insight into the means used to perpetrate computer fraud. Each case discusses elements of dishonesty on the part of the perpetrator, the opportunity that permitted the fraud to occur, and the motive underlying the perpetrator's criminal acts. Chapter Two covers these topics in more detail to help in the formulation of coherent plans to deal with the computer crime problem.

Section Two covers the topics of prevention, detection and deterrents. The chapters in this section detail methods, techniques, and approaches that can be used to reduce fraud risks and exposures. It addresses the evaluation of basic security needs as well as advanced types of security systems and controls. Chapters Three

and Four deal with ethical considerations and problems with ensuring employee honesty. Chapters Five through Nine concern protection of the computer system itself.

"Loss Recovery, Legal, and Investigative Considerations" is the title of Section Three. Chapter Ten addresses special forms of insurance covering fraudulent and dishonest acts by employees and the hazards of crimes such as forgery, or the alteration of checks and similar instruments. This chapter also deals with insuring against the wrongful abstraction of money and securities, as well as burglary.

Chapter Eleven concerns the legal aspects of computer fraud. In this chapter the authors point out that though they are not lawyers, nor is the book written only for lawyers, this chapter highlights concepts with which all interested parties should be familiar. Federal criminal and evidentiary laws, search and seizure of computer evidence, and preservation of the chain of custody of such evidence are discussed. Other portions of the chapter deal with state computer fraud laws, lawsuits against independent auditors and company directors and cooperation with law-enforcement agencies. Section Three concludes with tips and techniques involved in the investigation of computer fraud.

The final section of the book is entitled "Implementing Your Loss Control Program." This section explains how to develop a system of countermeasures under a multidisciplinary approach. It shows how to estimate the costs and benefits of countermeasures, as well as how to successfully implement the program.

The book concludes with a bibliography of recent books and thirteen appendices detailing the information in the book with charts and graphs.

This book is helpful for those with little or no knowledge of computer crime, who could be faced with such a problem. It provides an understanding of the area and is an aid in its formulating solutions.

SECURITY: CHECKLIST FOR COMPUTER CENTER SELF AUDITS (1979)

Publisher: AFIPS
1815 N. Lynn Street
Arlington, VA 22209

Type: Softbound
189 pages
Price: \$25.00

The purpose of this volume "is to serve as a guide in the establishment and maintenance of controls in a data processing environ-

ment." It is not a legal treatise but, as the title implies, a *checklist* of questions to be asked to evaluate the practices and controls of a computer center.

Why is such a volume being reviewed? Because it is an ideal publication to promote "preventative lawyering." Too often a lawyer is called in only after a catastrophe has occurred. It is only then that the computer owner/lessee realizes that it has problems—big problems. Legal counsel should be aware of, and intimately involved from the outset in, the security procedures adopted by his or her client. This volume gives an attorney a roadmap of those areas that need to be addressed and the types of questions that should be asked in a comprehensive security management program.

Steven I. Smith

Computer Fraud & Security Bulletin

Publisher: Elsevier Journal Information Centre
52 Vanderbilt Avenue
New York, NY 10027

Type: Newsletter
(200 page/yr.)
Frequency: Monthly
Price: \$125.00/yr.

Edited by Michael Comer, This British-based newsletter is an excellent example of the newsletter genre. On a scale of one to ten it is definitely a "10." With an impressive array of editorial advisors, the *Bulletin* provides worldwide coverage of actual computer crimes and abuses. It provides a timely compilation of reported cases, statutes and other legislative activities.

The newsletter is written in an easy-to-read, informative style that is neither too technical, nor too legal. It attempts to provide detailed explanations of real computer frauds. There is a current controversy over whether the *Bulletin* should print such detailed explanations, but the editors feel that it is important since "[b]eing alert to the risks, defensive measures can be taken."

Michael D. Scott