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1DA - KEELY ASHTYN

This is the must-have book for a must-know field. Today, general security knowledge is mandatory, and, if you who need to understand the fundamentals, Computer Security Basics 2nd Edition is the book to consult. The new edition builds on the well-established principles developed in the original edition and thoroughly updates that core knowledge. For anyone involved with computer security, including security administrators, system administrators, developers, and IT managers, Computer Security Basics 2nd Edition offers a clear overview of the security concepts you need to know, including access controls, malicious software, security policy, cryptography, biometrics, as well as government regulations and standards. This handbook describes complicated concepts such as trusted systems, encryption, and mandatory access control in simple terms. It tells you what you need to know to understand the basics of computer security, and it will help you persuade your employees to practice safe computing. Topics include: Computer security concepts Security breaches, such as viruses and other malicious programs Access controls Security policy Web attacks Communications and network security Encryption Physical security and biometrics Wireless network security Computer security and requirements of the Orange Book OSI Model and TEMPEST

Techniques for cultivation and harvesting hallucinogenic and psychoactive plants. Written in careful detail by an expert horticulturist. This hard to obtain cult classic is once again available. Glossary.

After nearly being killed, prima ballerina Lucia del Mar winds up in the Morrocan home of Rashid alJazari, one of the world's leading computer experts, who has discovered a computer with a soul and now is in great danger himself. Original.

Explains how to create PDF's, customize navigation and formatting, and design interactive forms

Can machines really think? Is the mind just a complicated computer program? This book focuses on the major issues behind one of the hardest scientific problems ever undertaken, from Alan Turing's influential groundwork to cutting-edge robotics and the new AI.

Provides information on creating Web-b-based applications.

Only social and economic integration predicated on full civic equality, coupled with the maintenance of Jewish cultural singularity - the Bund argued - would assure the Jews a just existence among the surrounding peoples.".

In European and Holocaust historiography, it is generally believed that neither the Zionist movement nor the Yishuv, acting primarily out of self-interest, energetically attempted to help European Jews escape the Nazi threat. Drawing on the memoirs, letters, and institutional reports of Chaim Weizmann, Zeev Jabotinsky, David Ben-Gurion, and many others, this volume sheds new light on a troubled period in Jewish history. Reinharz and Shavit trace Jewish responses to developments in Eastern and Central Europe to show that - contrary to recent scholarship and popular belief - Zionists in the Yishuv worked tirelessly on the international stage on behalf of their coreligionists in Europe. Focusing particularly on Poland, while explicating conditions in Germany and Czechoslovakia as well, the authors examine the complicated political issues that arose not just among Jews themselves, but also within national governments in Britain, Europe, and America. Piercing to the heart of conversations about how or whether to save Jews in an increasingly hostile Europe, this volume provides a nuanced and thoughtful assessment of what could and could not be achieved in the years just prior to World War II and the Holocaust.

"While contributors to The Emergence of Modern Jewish Politics debate the ultimate success and failure of the various parties and the appropriateness of their tactics, inevitably most examine such issues through the prism of the Holocaust, which effectively terminated East European Jewish politics. These essays also raise the issue of whether ethnic minorities are best served by highly ideological or highly pragmatic political movements in trying to defend their interests in nondemocratic, mul-tiethnic states."--BOOK JACKET.

This book and its supplemental demo videos make up an excellent practical training program that provides the foundation for installation, configuration, activation, troubleshooting and maintenance of Siemens SIMATIC S7 PLCs (programmable Logic Controllers) in an industrial environment. The 5 chapters of this book and its videos serve as an exhaustive collection of my step-by-step tutorials on PLCs for beginners and advanced learners alike. If you fall in the following categories of people, you will find this book very helpful: Engineers Electricians Instrumentation technicians Automation professionals Graduates and students People with no background in PLC programming but looking to build PLC programming skills This book is accompanied with 33 in-depth HD demo videos. In these videos, I use a practical approach to simplify everything you need to understand to help you speed up your learning of PLCs in general, and of Siemens S7 PLCs specifically. Because I assume you have little or no knowledge of PLCs, I strongly urge you to digest all the contents of this book and its supplemental demo videos (33 episodes). This will not only help you build an in-depth knowledge of PLCs in general; it will also help you gain a lot of job skills and experience you need to be able to install and configure Siemens PLCs. In this book I teach the fundamentals of SIMATIC S7 PLCs. I also touch advanced topics, such as PLC networks, virtual CPU, CPU models and what their codes mean, digital input and output configurations, and so much more. The knowledge you gain from this training will put you on the path to becoming a paid professional in the field of PLCs. The quickest way to build skills in PLC hardware and software is to use real-world scenarios and industrial applications. The real-world scenarios and industrial applications I treat in this book and the demo videos will help you learn better and faster many of the functions and features of both the S7 PLC family and the Step 7 software platform. If all you use is just a PLC user manual or S7 help contents, you cannot become a skillful PLC programmer. That is why I have designed this training program to help you develop

skills by teaching you PLC hardware configuration and programming step by step. This will give you a big head start if you have never installed or configured a PLC before. One of the questions I get asked often by beginners is, where can I get a free download of Siemens PLC software to practice? I provide later in this book links to a free version of the SIMATIC S7 PLC Software which is essentially the programming environment you need to practice. In Chapter 3, I also provide two hassle-free download links for the free edition of SIMATIC STEP 7. This will help you get hands-on practice because you can use it to run and test your PLC programs on a PC or Mac. I do not only show you how to get this important Siemens automation software for free and without hassle, I also show how to install, configure, navigate and use them to program Siemens PLCs. Finally, if you have questions or need further help, you can use the support link I provide in Chapter 4. I will get back to you very quickly.

This book, "Ladder Logic Programming Fundamentals" is the second edition of the book and is updated with more useful information on the latest Allen Bradley PLCs. It teaches you step by step the fundamentals of ladder logic diagrams, their basics and variables, including how ladder logic diagrams can be derived from traditional schematic circuit diagrams, and the general rules governing their use. Ladder logic is the primary programming language for Programmable Logic Controllers (PLCs). It has following advantages: It is the primary language used in industrial applications, especially for programming PLCs. It is a graphical and visual language, unlike textual high-level languages, such as C, C++, Java and so on. It can be derived from traditional schematic diagrams which can be cumbersome for complicated circuits (for example, relay logic diagrams). It makes use of primitive logic operations like AND, OR and NOT. It can be used where the primary reasons are safety, ease and isolation. For example, for electrical isolation of high-power industrial motors. It has a control behavior. For example, it can be used to control motors, transformers, contactor coils and overload relays in an electrical control system, for example, to make a light bulb come on when either switch A is ON (closed) or when switch B is ON (closed). In this edition, I explore the Allen-Bradley controllers in chapters where PLCs are treated in great details. The Studio 5000 software discussed in this book includes the Logix Designer application for the programming and configuration of Allen-Bradley ControlLogix 5570 and CompactLogix 5370 programmable automation con-

trollers. I also give you the link to download a 90 day trial version of the RSLogix 5000 software which you can use to learn how to program Logix5000 controllers. Logix Designer will continue to be the package you use to program Logix5000 controllers for discrete, process, batch, motion, safety, and drive-based systems. Logix Designer offers an easy-to-use, IEC61131-3 compliant interface, symbolic programming with structures and arrays and a comprehensive instruction set that serves many types of applications. It provides ladder logic, structured text, function block diagram and sequential function chart editors for program development as well as support for the S88 equipment phase state model for batch and machine control applications.

This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1856 edition. Excerpt: ... observes, " Whom He will, He hardeneth." He would not have added this unless, under the expression " raised thee up," he had meant to comprehend that purpose of God, by which Pharaoh was ordained to magnify, by his obstinacy, the redemption of God's people, Israel. For if any one should say, that Pharaoh's being "raised up" signified his being raised from above to the summit of kingly honour; that indeed is some part, but not the whole, of the matter. For the LXX. Greek interpreters have here used the same expression as that by which they render the verb Hiphil, derived from the radical Kum "to arise." Moreover, God is said to "raise up" that, which He causes, by an outstretched arm, as it were, to accomplish the end He has ordained. The Scripture here principally looks at the beginning, or first-cause, of that which it is recording; that it may ascribe the whole to God alone. In this same manner, God is also said to "raise up " prophets, and ministers of salvation; that no man might claim any of these things to himself, on the ground of his own industry. Therefore, the meaning of Moses has been faithfully expressed by the term, "raised up," if you will but so receive it; nor did Paul receive it otherwise. And most certainly, the expression "raised up" comprehends, not less distinctly than summarily, what he had touched upon, both concerning the elect, and the reprobate; since he is claiming for God the right and the power to have mercy on whom He will, and to harden whom He will, according to his own pleasure and purpose. The apostle therefore maintains, that the right of hardening, and of showing mercy, is in the power of God alone; and

that no law can be imposed on him as a rule for his works; because no law or rule can be thought of, ...

A guide to Web site security looks at the ways hackers target and attack vulnerable sites and provides information and case studies on countermeasures and security techniques.

The Perl Pocket Reference is an invaluable reference for those who find themselves frequently searching for a quick answer to a question or reminder of a syntax rule. This handy, well-organized quick reference condenses stacks of Perl documentation down to the most essential at-your-fingertips facts. For ease-of-use, convenience, and price, this little reference is the first place Perl programmers look when they need an answer quickly.The Perl Pocket Referenc provides a complete overview of the Perl programming language, all packed into a convenient, carry-around booklet. It is updated for Perl 5.8, and covers a summary of Perl syntax rules, a complete list of operators, built-in functions, and standard library modules, all with brief descriptions. Also included are the newest Perl features, such as enhanced regular expressions, multithreading, the Perl compiler, and Unicode support.The Perl Pocket Reference, 4th Edition, is the perfect companion to the authoritative books on Perl published by O'Reilly & Associates: Programming Perl, Learning Perl, and the Perl Cookbook. This pocket reference will never make it to the bookshelf--dog-eared and well worn, it will remain within arms reach of the keyboard or tucked in a back pocket, where it will be referred to on a daily basis.

The most comprehensive way to learn Adobe Photoshop Elements for Windows.

When Hattie's singing rouses a giant beast from the lake, everyone in town is terrified except Hattie, who works to convince the townsfolk that Hudson is not dangerous.

A guide to computer security discusses how the "blackhat community" uses the Internet for destructive purposes and provides information on how to learn from a "blackhat" attack to protect computer networks.

Understanding Robotics is an introductory text on robotics and covers topics ranging from from the components of a robotic system, including sensors, to the industrial applications of robotics. The major factors justifying the use of robots for manufacturing are also discussed, along with the use of robots as a manufacturing tool, their impact on people, and the future of robotics. This book is comprised of eight chapters and begins with an overview of the roots of robotics and the use of robots in the

manufacturing environment; advances in robot technology and typical applications of robots; reasons for using robots in the manufacturing environment; and the different manufacturing functions they perform, including visual inspection and intricate welding operations. A definition of the word ""robot"" is presented, and the impact of robots on jobs is considered. Subsequent chapters focus on the elements of a robot system, including the computer/controller, actuator power drive, and sensors; sensor applications in robotics; robotic usage by industry; economic justification of robotics; manufacturing technology and the role robotics can play in improving the United States' competitive manufacturing position; and the impact of robots on people and vice versa. The final chapter is devoted to market trends and competitiveness of the U.S. robotics industry and assesses the future prospects of robotics. This monograph should be a valuable resource for technologists and researchers interested in robots and robotics.

All the Documentation You Need for Successfully Deploying Exchange Server 2003 Author Barry Gerber shares his extensive real-world experience in easy-to-understand language in this comprehensive guide to Microsoft's messaging and collaboration server. Mastering Exchange Server 2003 systematically and sequentially walks you through all the essential concepts of planning and design, installation, deployment, administration and management, maintenance, and troubleshooting. With detailed background information, clear step-by-step, hands-on instructions, and realistic examples, Gerber teaches you how to devise and implement a system that is just right for your environment. He then leads you to the next level with advanced coverage on reliability and availability, disaster recovery, security solutions, wireless access, and building custom e-mail forms for Outlook. Coverage Includes: Designing a new Exchange 2003 system Upgrading to Windows Server 2003 and Exchange Server 2003 Installing and configuring Exchange Server 2003, Windows Server 2003 as a domain controller, and Outlook 2003 from a customized server image Organizing Exchange users, distribution groups, and contacts Managing the Exchange Server hierarchy and core components Managing Exchange 2003 Internet services and services for Internet clients Installing and administrating additional Exchange Servers Performing advanced administration and management Ensuring Exchange Server reliability and availability Building Exchange Server system security Configuring wireless access to Exchange Server 2003 Creating and managing Out-

look forms designer applications Exploring third-party applications for Exchange/Outlook clients and Exchange Server

Get the book that shows you not only what to study, but how to study. The only classroom-based integrated study system for professional certification gives you complete coverage of all objectives for the Sun Certified Programmer for Java 5 exam, hundreds of practice exam questions, and hands-on exercises. The CD-ROM features full practice exam software plus an adaptive test engine.

Offers real-life incidents relating to security topics including Denial of Service, malicious code, and wireless technologies, providing details of the incident, how the problem was discovered, and how it was solved.

The large number of Jews living in Polish lands had lived as a separate estate from the Poles until the mid-nineteenth century. Focusing on many long-term factors and one major event - the Revolution of 1905 - this book traces Poland's failed attempts to integrate its Jewish communities into the country's social fabric.

The announcement in December 1942 by the Polish government-in-exile that the Germans were attempting to exterminate all Jews in Poland came after much information had reached the West through other sources. The Polish government's action and inaction in releasing the information was the result of the complex weighing by the government's concept of its obligations to the Jewish citizens of Poland. Originally published in 1987. A UNC Press Enduring Edition -- UNC Press Enduring Editions use the latest in digital technology to make available again books from our distinguished backlist that were previously out of print. These editions are published unaltered from the original, and are presented in affordable paperback formats, bringing readers both historical and cultural value.

The modern means of communication have turned the world into an information fishbowl and, in terms of foreign policy and national security in post-Cold War power politics, helped transform international power politics. Information operations (IO), in which time zones are as important as national boundaries, is the use of modern technology to deliver critical information and influential content in an effort to shape perceptions, manage opinions, and control behavior. Contemporary IO differs from traditional psychological operations practiced by nation-states, because the availability of low-cost high technology permits nongovernmental organizations and rogue elements, such as terrorist groups, to deliver influential content of their own

as well as facilitates damaging cyber-attacks ("hactivism") on computer networks and infrastructure. As current vice president Dick Cheney once said, such technology has turned third-class powers into first-class threats. Conceived as a textbook by instructors at the Joint Command, Control, and Information Warfare School of the U.S. Joint Forces Staff College and involving IO experts from several countries, this book fills an important gap in the literature by analyzing under one cover the military, technological, and psychological aspects of information operations. The general reader will appreciate the examples taken from recent history that reflect the impact of IO on U.S. foreign policy, military operations, and government organization.

This is the eBook version of the printed book. This digtial Short Cut provides a concise and supremely useful guide to the emerging trend of User Acceptance Testing (UAT). The ultimate goal of UAT is to validate that a system of products is of sufficient quality to be accepted by the users and, ultimately, the sponsors. This Short Cut is unique in that it views UAT through the concept that the user should be represented in every step of the software delivery lifecycle--including requirements, designs, testing, and maintenance--so that the user community is prepared, and even eager, to accept the software once it is completed. Rob Cimperman offers an informal explanation of testing, software development, and project management to equip business testers with both theory and practical examples, without the overwhelming details often associated with books written for "professional" testers. Rather than simply explaining what to do, this resource is the only one that explains why and how to do it by addressing this market segment in simple, actionable language. Throughout the author's considerable experience coordinating UAT and guiding business testers, he has learned precisely what testers do and do not intuitively understand about the software development process. UAT Defined informs the reader about the unfamiliar political landscape they will encounter. Giving the UAT team the tools they need to comprehend the process on their own saves the IT staff from having to explain test management from the beginning. The result is a practice that increases productivity and eliminates the costs associated with unnecessary mistakes, tedious rework, and avoidable delays. Chapter 1 Introduction Chapter 2 Defining UAT–What It Is...and What It Is Not Chapter 3 Test Planning–Setting the Stage for UAT Success Chapter 4 Building the Team–Transforming

Users into Testers Chapter 5 Executing UAT–Tracking and Reporting Chapter 6 Mitigating Risk–Your Primary Responsibility
This scholarly study sheds important new light on the politics of Polish Jewry on the eve of its destruction. Drawing from sources in the Polish Jewish and non-Jewish press and from archives in Europe, Israel, and the United States, Emanuel Melzer examines the efforts of Jews in this major center of Jewish life to secure its existence and advance its interests in the late 1930s, when the radicalization of anti-semitism became an increasingly prominent theme in the countrys political life. With the death of Pilsudski, the prognosis for the Polish Jews appeared increasingly bleak, as hostile forces sought to abrogate their constitutional rights and force them to leave the country en masse. The enmity they experienced drew in no small measure from the example of Nazi Germany, which did not hesitate to portray the Jews as the common enemy of Germans and Poles alike. In the face of these developments, Polish Jews attempted to wage a co-ordinated and concerted political battle against the economic persecution, hostile administrative practices, discriminatory legislation, and violent riots that increasingly pervaded their daily lives. Melzer recounts those attempts and analyzes their failure. Of the three primary groups among Polish Jewrythe Zionists, Agudas Yisroel, and the Bundonly the last was capable of carrying on effective opposition to anti-Jewish forces. But it was not prepared to join with nonproletarian Jewish groups in an all-Jewish defense. The Jewish press, too, was not able to forge a unified Jewish organizational framework, tied as it was to the existing political parties and reflecting their attitudes and shortcomings. The only official political voice of Polish Jewry was the small Jewish parliamentary caucus. Although respected by much of the Jewish public, the Sejm and Senat deputies were not recognized as its legitimate spokes-men and usually acted without coordinating their interventions with one another. As a result, the most effective Jewish actions were undertaken on the local level-notably the self-defense organized during the Przytyk pogrom and the stubborn battle of Jewish students against the ghetto benches. Melzer demonstrates that the vociferous Jewish public debate over questions of policy and the tenacious daily struggles against discrimination had little effect upon Polish Jewrys deteriorating situation. Without charismatic leadership and an organizational framework based on common Jewish destiny and mutual identification, its ability to confront the grave challenges that lay ahead was seriously impaired. With the approach of war, many felt they were trapped with no way out, left to face the Nazi onslaught virtually alone.
Hands-On Ethical Hacking and Network Defense, Second Edition provides an in-depth understanding of how to effectively protect computer networks. This book describes the tools and penetration testing methodologies used by ethical hackers and provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Readers are provided with updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also included is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking. With cyber-terrorism and corporate espionage threatening the fiber of our world, the need for trained network security professionals continues to grow. Hands-On Ethical Hacking and Network Defense, Second Edition provides a structured knowledge base to prepare readers to be security professionals who understand how to protect a network by using the skills and tools of an ethical hacker. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
As we approach a great turning point in history when technology is poised to redefine what it means to be human, The Fourth Age offers fascinating insight into AI, robotics, and their extraordinary implications for our species. "If you only read just one book about the AI revolution, make it this one" (John Mackey, cofounder and CEO, Whole Foods Market). In The Fourth Age, Byron Reese makes the case that technology has reshaped humanity just three times in history: 100,000 years ago, we harnessed fire, which led to language; 10,000 years ago, we developed agriculture, which led to cities and warfare; 5,000 years ago, we invented the wheel and writing, which lead to the nation state. We are now on the doorstep of a fourth change brought about by two technologies: AI and robotics. "Timely, highly informative, and certainly optimistic" (Booklist), The Fourth Age provides an essential background on how we got to this point, and how—rather than what—we should think about the topics we'll soon all be facing: machine consciousness, automation, changes in employment, creative computers, radical life extension, artificial life, AI ethics, the future of warfare, superintelligence, and the implications of extreme prosperity. By asking questions like "Are you a machine?" and "Could a computer feel anything?", Reese leads you through a discussion along the cutting edge in robotics and AI, and provides a framework by which we can all understand, discuss, and act on the issues of the Fourth Age and how they'll transform humanity.

Using research in neurobiology, cognitive science and learning theory, this text loads patterns into your brain in a way that lets you put them to work immediately, makes you better at solving software design problems, and improves your ability to speak the language of patterns with others on your team.

" --Journal of Polish Jewish StudiesAn illuminating study of the demographic, cultural, and socioeconomic condition of East Central European Jewry, the book focuses on the internal life of Jewish communities in the region and on the relationships between Jews and gentiles in a nationalist environment.
Robotics, Second Edition is an essential addition to the toolbox of any engineer or hobbyist involved in the design of any type of robot or automated mechanical system. It is the only book available that takes the reader through a step-by step design process in this rapidly advancing specialty area of machine design. This book provides the professional engineer and student with important and detailed methods and examples of how to design the mechanical parts of robots and automated systems. Most robotics and automation books today emphasis the electrical and control aspects of design without any practical coverage of how to design and build the components, the machine or the system. The author draws on his years of industrial design experience to show the reader the design process by focusing on the real, physical parts of robots and automated systems. Answers the questions: How are machines built? How do they work? How does one best approach the design process for a specific machine? Thoroughly updated with new coverage of modern concepts and techniques, such as rapid modeling, automated assembly, parallel-driven robots and mechatronic systems Calculations for design completed with Mathematica which will help the reader through its ease of use, time-saving methods, solutions to nonlinear equations, and graphical display of design processes Use of real-world examples and problems that every reader can understand without difficulty Large number of high-quality illustrations Self-study and homework problems are integrated into the text along with their solutions so that the engineering professional and the student will

each find the text very useful

Practical CNC design, construction, and operation techniques Gain a thorough understanding of computerbasednumerical control systems, components, and technologies. Featuring hundreds of color images and schematic diagrams, CNC Handbook explains machining fundamentals and shows you how to build and safely operate fully automated,technically sophisticated mechatronic equipment. Learn how to work with position controllers, accomplish rapid and precise machine motions, use CAD and CAM systems, and integrate CNC into IT networks. The latest CNC programming languages, flexible manufacturing systems, and troubleshooting methods are also discussed in this hands-on guide. CNC HANDBOOK COVERS: Open- and closed-loop control systems Programmable logic controllers and switches Machine tools and machining centers Turning, milling, and grinding equipment Industrial robots and robot controllers Additive and flexible manufacturing systems Direct and distributed numerical control CNC programming platforms and languages Close-to-process production measurement

By the end of the 17th century probably three quarters of world Jewry dwelt within the borders of the Polish republic, which became not only a haven from persecution but the centre of a flourishing Jewish culture. This culture survived the decline and partition of the Polish state and in the 19th century became the seedbed for the intellectual movements that were to transform the Jewish world - zionism, secularism, socialism and neo-orthodoxy. With the development of mass emigration from the late 19th century onwards, the influence of Jews from the former Polish Republic was carried to Western Europe, North and South America, South Africa and Australasia. The Jews in Poland focuses on the relationship of the Jews to the other peoples with whom they lived - sometimes in harmony, sometimes in conflict - to offer a general outline of the most significant factors in the evolution of Jewish life in Poland from the beginnings of Jewish settlement to the present day.

Everything you've always wanted to know about self-driving cars, Netflix recommendations, IBM's Watson, and video game-playing computer programs. The future is here: Self-driving cars are on the streets, an algorithm gives you movie and TV recommendations, IBM's Watson triumphed on Jeopardy over puny human brains, computer programs can be trained to play Atari games. But how do all these things work? In this book, Sean Gerrish offers an engaging and accessible overview of the breakthroughs in artificial intelligence and machine learning that have made today's machines so smart. Gerrish outlines some of the key ideas that enable intelligent machines to perceive and interact with the world. He describes the software architecture that allows self-driving cars to stay on the road and to navigate crowded urban environments; the million-dollar Netflix competition for a better recommendation engine (which had an unexpected ending); and how programmers trained computers to perform certain behaviors by offering them treats, as if they were training a dog. He explains how artificial neural networks enable computers to perceive the world—and to play Atari video games better than humans. He explains Watson's famous victory on Jeopardy, and he looks at how computers play games, describing AlphaGo and Deep Blue, which beat reigning world champions at the strategy games of Go and chess. Computers have not yet mastered everything, however; Gerrish outlines the difficulties in creating intelligent agents that can successfully play video games like StarCraft that have evaded solution—at least for now. Gerrish weaves the stories behind these breakthroughs into the narrative, introducing readers to many of the researchers involved, and keeping technical details to a minimum. Science and technology buffs will find this book an essential guide to a future in which machines can outsmart people.

When you visit the doctor, information about you may be recorded in an office computer. Your tests may be sent to a laboratory or consulting physician. Relevant information may be transmitted to your health insurer or pharmacy. Your data may be collected by the state government or by an organization that accredits health care or studies medical costs. By making information more readily available to those who need it, greater use of computerized health information can help improve the quality of health care and reduce its costs. Yet health care organizations must find ways to ensure that electronic health information is not improperly divulged. Patient privacy has been an issue since the oath of Hippocrates first called on physicians to "keep silence" on patient matters, and with highly sensitive data--genetic information, HIV test results, psychiatric records--entering patient records, concerns over privacy and security are growing. For the Record responds to the health care industry's need for greater guidance in protecting health information that increasingly flows through the national information infrastructure--from patient to provider, payer, analyst, employer, government agency, medical product manufacturer, and beyond. This book makes practical detailed recommendations for technical and organizational solutions and national-level initiatives. For the Record describes two major types of privacy and security concerns that stem from the availability of health information in electronic form: the increased potential for inappropriate release of information held by individual organizations (whether by those with access to computerized records or those who break into them) and systemic concerns derived from open and widespread sharing of data among various parties. The committee reports on the technological and organizational aspects of security management, including basic principles of security; the effectiveness of technologies for user authentication, access control, and encryption; obstacles and incentives in the adoption of new technologies; and mechanisms for training, monitoring, and enforcement. For the Record reviews the growing interest in electronic medical records; the increasing value of health information to providers, payers, researchers, and administrators; and the current legal and regulatory environment for protecting health data. This information is of immediate interest to policymakers, health policy researchers, patient advocates, professionals in health data management, and other stakeholders.

The author "examines, from an Eastern European perspective, Eastern Europe's apparent political and military failures in the face of Nazi aggression. Until now, Czechoslovakia, Poland, Romania and the Baltic States have generally been seen as powerless victims. Prażmowska suggests an alternative view, namely seeing them as states which had to grapple with complex economic, political and military dilemmas."--Cover.

The volume focuses on the pioneering Zionist youth movement in Poland with special reference to its contribution to the realization of the national and social aims formulated by the Zionist and Socialist Zionist ideologies.