

~~TOP SECRET UMBRA~~

NO.

944

# Cryptologic Quarterly

Approved for Release by NSA on 08-17-2006, FOIA Case # 42848

## INDEX

Spring 1982 - Winter 1996

Vol. 1., No. 1 - Vol 15., No. 4

Published by the Center for Cryptologic History  
May 1997

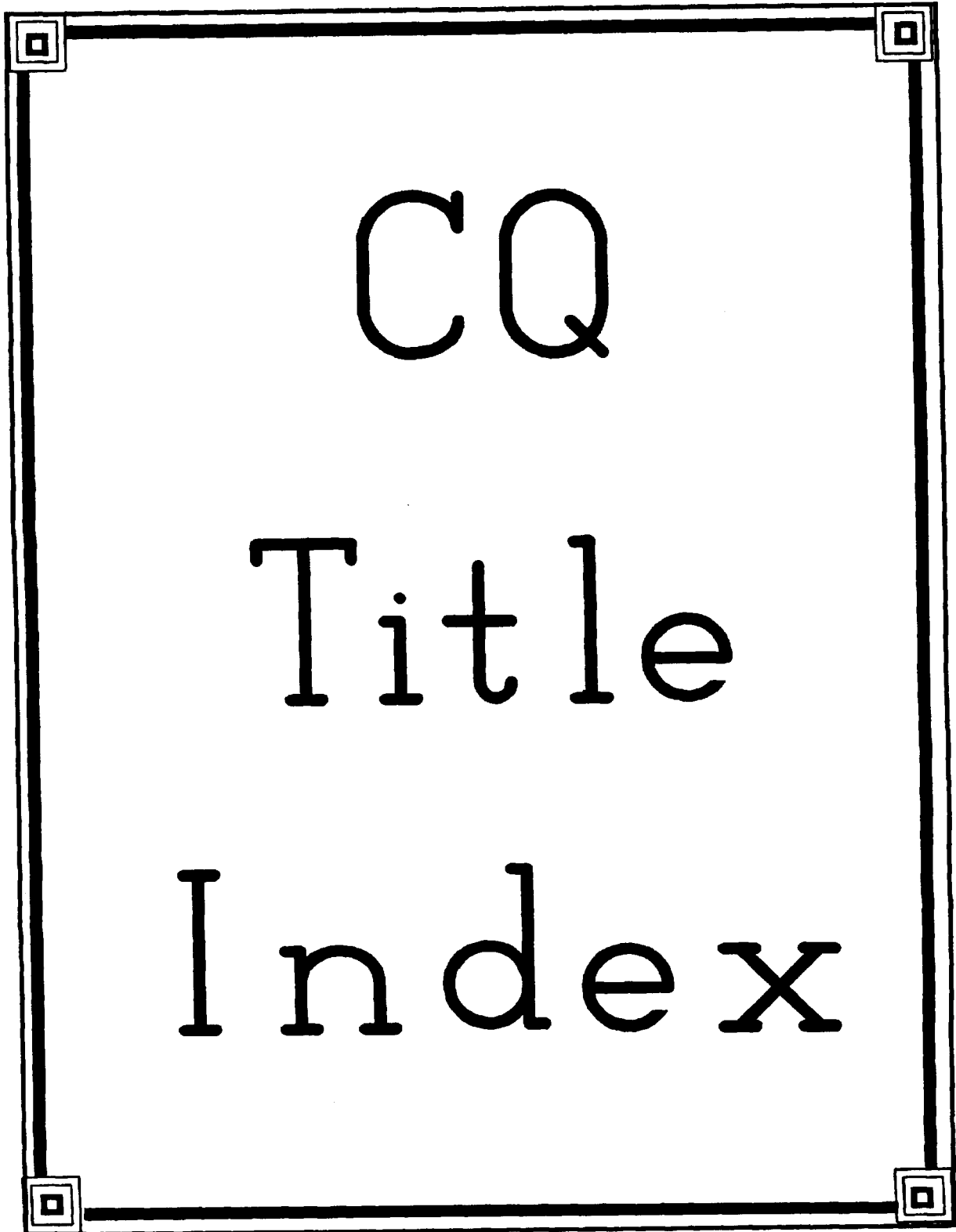
~~TOP SECRET UMBRA~~

## Note to *Cryptologic Quarterly* Readers

This is the second cumulative index of *Cryptologic Quarterly* articles. It is sorted three ways: by title of article, by author, and by keywords. Its purpose is twofold: to give readers a general view of the scope of subjects that appear in *Cryptologic Quarterly* – and thus to stimulate the writing of articles – and to provide our readership with a means to locate articles they may wish to use as general information on the job or as research tools for operational projects. We publish supplements annually.

We hope you find the index useful and that you will contact the *Quarterly* staff if you would like copies of an article. You may reach the office of *Cryptologic Quarterly* at 972-2895s or 301/688-6338b. If you send a written request for an article, address it to *Cryptologic Quarterly*, S542, SAB 2, Door 22.

BARRY D CARLEEN  
Executive Editor, *Cryptologic Quarterly*



CQ  
Title  
Index

~~TOP SECRET UMBRA~~

(b) (1)  
 (b) (3)-50 USC 403  
 (b) (3)-18 USC 798  
 (b) (3)-P.L. 86-36

*Cryptologic Quarterly Index by Title*

Title	Author	Reference	Keyword
ABM Treaty and the Dilemma of Indecision, The (U)		Vol 5, Nos 1-2, Spr-Sum 86	Defense Soviet Union
ACQUAINTANCE: A Tool for Language Identification (U)		Vol 7, No 4, Win 89	Computer systems Language Mathematics
ADAGIO: A Modern Analog-to-Digital/Digital-to-Analog System for the R5 CYBER/VAX Research System (U)		Vol 4, 85 (CS Issue)	Computer software Computer systems Computer hardware
Address Given to Annual Cryptanalysis Exchange (U)		Vol 1, 83 (CS Issue)	Cryptanalysis
Admiral Gorshkov and Soviet Doctrine (U)		Vol 5, No 3, Fall 86	Soviet Union
Agency Electronic Printing Standards: Today It's PostScript and Interpress Page Description Languages (U)		Vol 9, No 3, Fall 90	Electronic printing
Alpe-Adria: A Model for Regional Economic and Cultural Cooperation or a Rebirth of Austria-Hungary? (U)		Vol 7, No 3, Fall 88	Economics International affairs
Analysis of a Problem Common to Translation of Both Handwritten Japanese and Romanized Japanese, An (U)		Vol 4, No 3, Fall 85	Language Linguistic Japan
Analysis of the "Lehigh" Virus (U)		Vol 9, No 2, Sum 90	Computer virus
Analysis of the Random and Sequential Viruses (U)		Vol 11, No. 4, Winter 92	Random viruses Sequential viruses Software analysis
Analysis of the Vectorization Abilities of Current C Compilers, An (U)		Vol 10, No 2, Sum 91	Computer programming Computer software
Analysis of TRS-80 Model I Password Encryption Algorithm (U)		Vol 1, No 1, Spr 82	Cryptanalysis Computer software
		Vol 9, No 4, Win 91	

(b) (3)-P.L. 86-36

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Analyzing Vague Data (U)		Vol. 83 (CS Issue)	Computer systems
Another Look at Ranked-Order Filters, Noisy Images, and Visual Perception (U)		Vol. 11, No. 4, Winter 92	Image quality Ranked-order filters Signals analysis
Another Look at TEABALL, and Where We've Gone from There (U)		Vol 11, No 1, Spr 92	SIGINT Support Vietnam War
Application of Nonsymbolic Artificial Intelligence: Neural Networks (U)		Vol 9, No 4, Win 91	Artificial intelligence Neural networks
[Redacted]		Vol. 13, No. 3, Fall 94	INFOSEC Trusted product evaluation
[Redacted]		Vol 5, 86 (CA Issue)	Cryptanalysis Cryptography Mathematics
Applying Object Technology to Our CLOVER Network (U)		Vol. 12, No. 2, Summer 93	CLOVER Object-oriented technology
Approach to Isolating Nontraditional Targets, An (U)		Vol. 13, No. 3, Fall 94	[Redacted] Nontraditional targets
Architecture and Implementation for a Large Scale Distributed Multiprocessor, An (U)		Vol 8, No 3, Fall 89	Computer networks Signal processor
Architecture and Implementation for Linear Speedup of DSP Programs, An (U)		Vol 8, No 4, Win 90	Computer networks Signal processor
Artificial Intelligence and Expert Systems: Do They Have a Future in Management? (U)	Vol 9, No 2, Sum 90	Artificial intelligence Management	
Artificial Intelligence: Approach to Cryptodiagnosis (U)	Vol. 13, No. 1, Spring 94	Artificial intelligence Cryptanalysis	
ART: The Linked-Letter Language Model A Reference-Text-in-Core Algorithm for Recognizing Putative Plain Text (U)	Vol 9, No 3, Fall 90	Language Modeling	

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<b>Artificial Ionspheric Modification: Practical and Potential Applications (U)</b>	Gerson, N. C.	Vol 9, No 1, Spr 90	Communications Ionosphere
<b>Attempted Imposition of Sharia on the Sudan, The (U)</b>	[Redacted]	Vol 4, No 2, Sum 85	Middle East
[Redacted] <b>Program Overview: History, Status, and Directions (U)</b>	[Redacted]	Vol 10, No 1, Spr 91	Computer Security COMSEC
<b>Before BOURBON: American and British COMINT Efforts against Russia and the Soviet Union before 1945 (S-CCC)</b>	[Redacted]	Vol. 12, Nos. 3-4, Fall/Winter 1993	Cryptologic history Soviet problem
<b>Begin and Arafat (U)</b>	[Redacted]	Vol 2, Nos 1-2, Spr-Sum 83	Middle East
[Redacted]	[Redacted]	Vol. 14, No. 1, Spring 95	BOURBON Cryptologic history Soviet problem
<b>Beyond Codes and Ciphers: The Expanded Meaning of Cryptology in the Late Twentieth Century (U)</b>	Nolte, William M.	Vol 8, No 4, Win 90	Cryptology History
<b>Beyond "DRAGON'S LAIR" (U)</b>	[Redacted]	Vol 4, 85 (CS Issue)	Computer systems
<b>Bibliography of Neural Network Applications to the Telecommunications Industry, A (U)</b>	[Redacted]	Vol. 11, No. 3, Fall 92	Network management Neural networks Telecommunications
<b>BILLY Data Base/Tasking Management System Intervals (U)</b>	[Redacted]	Vol 8, No 3, Fall 89	Data base management Supercomputer
<b>Book Review: A Century of Spies: Intelligence in the Twentieth Century (U)</b>	Johnson, Thomas R.	Vol. 15, No. 3, Fall 96	Book review Intelligence
<b>Book Review: Alan Turing: The Enigma (U)</b>	Mowry, David P.	Vol 2, Nos 3-4, Fall-Win 83-84	Book review Cryptanalysis Enigma History
<b>Book Review: American Black Chamber, The (U)</b>	[Redacted]	Vol 4, No 2, Sum 85	Black Chamber Book review Cryptanalysis History

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<i>Book Review: America's Military Revolution: Strategy and Structure after the Cold War (U)</i>		Vol. 13, No.1, Spring 94	Book review Cold War Military strategy
<i>Book Review: "And I Was There": Pearl Harbor and Midway - Breaking the Secrets (U)</i>		Vol 5, Nos 1-2, Spr-Sum 86	Book review History Japan Pearl Harbor World War II
<i>Book Review: Artificial Intelligence: Theory, Logic and Application (U)</i>		Vol 5, No 3, Fall 86	Book review Artificial intelligence
<i>Book Review: Atom Bomb Spies, The (U)</i>		Vol 6, Nos 3-4, Fall-Win 87-88	Book review Espionage
<i>Book Review: Black Cipher (U)</i>	Hanyok, Robert J.	Vol. 14, No. 4, Winter 95	Book review Espionage
<i>Book Review: Breaking the Maya Code (U)</i>	Hatch, David A.	Vol. 13, No.1, Spring 94	Book review Linguistics Maya code
<i>Book Review: British and American Approaches to Intelligence (U)</i>		Vol 7, No 2, Sum 88	Book review Britain Intelligence
<i>Book Review: Chicksands: A Millenium of History (U)</i>		Vol. 13, No.3, Fall 94	Book review Chicksands Field sites
<i>Book Review: CIA in Guatemala, The (U)</i>	Gronet, Richard W.	Vol 1, No 4, Win 83	Book review CIA
<i>Book Review: Citizens and Soldiers (U)</i>		Vol 6, Nos 3-4, Fall-Win 87-88	Book review Military policy
<i>Book Review: Clash of Cultures: Managers and Professionals, The (U)</i>	Nolte, William M.	Vol 7, No 2, Sum 88	Book review Management
<i>Book Review: Clausewitz (U)</i>		Vol 6, No 2, Sum 87	Book review Military theory
<i>Book Review: Codebreakers: The Inside Story of Bletchley Park (U)</i>	Filby, P. W.	Vol. 13, No. 2, Summer 94	Bletchley Park Book review Enigma Ultra
<i>Book Review: Code-Name Downfall: The Secret Plan to Invade Japan - and Why Truman Dropped the Bomb (U)</i>		Vol. 15, No. 4, Winter 96	Atomic bomb Book review World War II

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<i>Book Review: Concise History of the Middle East, A (U)</i>		Vol 4, No 1, Spr 85	Book review History Middle East
<i>Book Review: Conflict of Duty: The U.S. Navy's Intelligence Dilemma, 1919-1945 (U)</i>	Nolte, William M.	Vol 2, Nos 1-2, Spr-Sum 83	Book review Intelligence
<i>Book Review: Designing and Programming Personal Expert Systems (U)</i>		Vol 5, No 3, Fall 86	Computer programming Computer systems
<i>Book Review: Does God Play Dice? The Mathematics of Chaos (U)</i>		Vol 8, No 4, Win 90	Book review Mathematics
<i>Book Review: Drawing the Line: Tales of Maps and Cartocontroversy (U)</i>		Vol. 14, No. 4, Winter 95	Book review Maps
<i>Book Review: Eavesdroppers, The (U)</i>	Johnson, Thomas R.	Vol. 14, No.1, Spring 95	Book review Australian SIGINT WWII
<i>Book Review: Electronic Warfare: Element of Strategy and Multiplier of Combat Power (U)</i>		Vol 1, Nos 2-3, Sum-Fall 82	Book review Electronic warfare
<i>Book Review: Essays on Strategy (U)</i>		Vol 5, No 3, Fall 86	Book review Human factor Middle East
<i>Book Review: Ethiopia at Bay: A Personal Account of the Haile Selassie Years (U)</i>		Vol 4, No 3, Fall 85	Book review Ethiopia History
<i>Book Review: Eyeball to Eyeball: The Inside Story of the Cuban Missile Crisis (U)</i>	Hatch, David A.	Vol. 11, No. 3, Fall 92	Book review Cuban Missile Crisis
<i>Book Review: Family Treason (U)</i>		Vol 6, Nos 3-4, Fall-Win 87-88	Book review Espionage
<i>Book Review: FBI-KGB War: A Special Agent's Story, The (U)</i>		Vol 6, No 2, Sum 87	Book review Espionage Soviet Union
<i>Book Review: French Secret Services: From the Dreyfus Affair to the Gulf War, The (U)</i>	Hanyok, Robert J.	Vol. 15, No. 4, Winter 96	Book review French secret service
<i>Book Review: Friendly Spies: How America's Allies Are Using Economic Espionage to Steal Our Secrets (U)</i>		Vol. 13., No. 2, Summer 94	Book review Economic espionage

~~TOP SECRET UMBRA~~



~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<i>Book Review: Grand Failure! The Birth and Death of Communism in the Twentieth Century, The (U)</i>		Vol 8, No 3, Fall 89	Book Review Communism
<i>Book Review: Guardians of the Sea: History of the United States Coast Guard from 1915 to the Present (U)</i>		Vol 7, No 2, Sum 88	Book review History Coast Guard
<i>Book Review: Haile Selassie's War: Italian-Ethiopian Campaign, 1935-1941 (U)</i>		Vol 4, No 4, Win 86	Book review Ethiopia History
<i>Book Review: History of the German General Staff (U)</i>		Vol 8, No 3, Fall 89	Book review Germany Military forces
<i>Book Review: Honorable Treachery: A History of U.S. Intelligence, Espionage, and Covert Action from the American Revolution to the CIA (U)</i>	Hatch, David A.	Vol. 13, No. 3, Fall 94	Book review Espionage SIGHT
<i>Book Review: Infamy: Pearl Harbor and Its Aftermath (U)</i>	Nolte, William M.	Vol 1, Nos 2-3, Sum-Fall 82	Book review Japan Pearl Harbor
<i>Book Review: Informing Statecraft (U)</i>		Vol. 12, No.2, Summer 93	Book review Intelligence community
<i>Book Review: Inside Hanoi's Secret Archives (U)</i>	Hanyok, Robert J.	Vol. 15, No. 1, Spring 96	Book review POW/MIA Vietnam War
<i>Book Review: Inside Soviet Military Intelligence (U)</i>		Vol 5, Nos 1-2, Spr-Sum 86	Book review Intelligence Soviet Union
<i>Book Review: Inside the Soviet Army (U)</i>		Vol 4, No 4, Win 86	Book review Soviet Union
<i>Book Review: Intelligence and National Security (U)</i>		Vol 5, No 4, Win 87	Book review Intelligence Security
<i>Book Review: International Journal of Intelligence and Counterintelligence (U)</i>		Vol 6, Nos 3-4, Fall-Win 87-88	Book review Counterintelligence Intelligence
<i>Book Review: Into the Heart of the Mind: An American Quest for Artificial Intelligence (U)</i>		Vol 5, Nos 1-2, Spr-Sum 86	Book review Artificial intelligence

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<i>Book Review: Invasion of Japan: Alternative to the Bomb, The (U)</i>	Johnson, Thomas R.	Vol. 14., No. 2, Summer 95	Atomic bomb Book review Japan WWII
<i>Book Review: KGB: The Secret Work of Soviet Secret Agents (U)</i>		Vol 5, Nos 1-2, Spr-Sum 86	Book review KGB Soviet Union
<i>Book Review: KGB Today: The Hidden Hand (U)</i>		Vol 5, Nos 1-2, Spr-Sum 86	Book review KGB Soviet Union
<i>Book Review: Legitimacy and Force, Vol. 1, Political and Moral Dimensions; Vol. 2, National and International Dimensions (U)</i>		Vol 7, No 9, Win 89	Book review International Affairs
<i>Book Review: Listening to the Enemy: Key Documents on the Role of Communications Intelligence in the War with Japan (U)</i>		Vol 7, No 1, Spr 88	Book review COMINT History ULTRA
<i>Book Review: Marching Orders: The Untold Story of World War II (U)</i>	Johnson, Thomas R.	Vol. 14, No. 4, Winter 95	Book review World War II
<i>Book Review: Marketing Warfare (U)</i>		Vol 5, No 4, Win 87	Book review Economic warfare Human factor
<i>Book Review: Mask of Command, The (U)</i>		Vol 9, No 2, Sum 90	History Military policy
<i>Book Review: Master Terrorist, The: The True Story behind Abu Nidhal (U)</i>		Vol 6, No 1, Spr 87	Book review Middle East Terrorism
<i>Book Review: Missing Dimension: Governments and Intelligence Communities in the Twentieth Century, The (U)</i>		Vol 5, No 4, Win 87	Book review Intelligence
<i>Book Review: My Silent War (U)</i>	Hanyok, Robert J.	Vol. 14, No. 3, Fall 95	Book review Espionage
<i>Book Review: The New KGB: The Engine of Soviet Power (U)</i>		Vol 5, Nos 1-2, Spr-Sum 86	Book review KGB Soviet Union
<i>Book Review: Nightmover: How Aldrich Ames Sold the CIA to the KGB for \$4.6 Million (U)</i>		Vol. 15, No. 2, Summer 96	Book review Espionage
<i>Book Review: One American Must Die (U)</i>		Vol 5, No 4, Win 87	Book review Human factor

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<i>Book Review: One Hundred Days: The Memoirs of the Falklands Battle Group Commander (U)</i>		Vol. 11, No. 2, Summer 92	Book review Falklands War
<i>Book Review: On ULTRA Active Service (U)</i>	Farley, Robert D.	Vol 10, Nos 3-4, Fall-Win 91	Australian SIGINT operations World War II
<i>Book Review: On Writing Well (U)</i>		Vol 7, No 3, Fall 88	Book review Writing
<i>Book Review: Out of the Inner Circle: A Hacker's Guide to Computer Security (U)</i>		Vol 4, No 3, Fall 85	Book review Computer security
<i>Book Review: Positioning: The Battle for Your Mind (How to be Seen and Heard in the Overcrowded Marketplace) (U)</i>		Vol 5, No 4, Win 87	Book review Human factor
<i>Book Review: Room 40: British Naval Intelligence 1914-18 (U)</i>		Vol 2, Nos 1-2, Spr-Sum 83	Book review History Intelligence
<i>Book Review: Ropes to Skip and the Ropes to Know: The Inner Life of an Organization, The (U)</i>		Vol 6, Nos 3-4, Fall-Win 87-88	Book review Management
<i>Book Review: Sacred Rage: The Crusade of Modern Islam (U)</i>		Vol 6, Nos 3-4, Fall-Win 87-88	Book review Iran Middle East
<i>Book Review: Secrecy and Democracy: The CIA in Transition (U)</i>		Vol 4, No 3, Fall 85	Book review CIA History Intelligence
<i>Book Review: Shadows of the Rising Sun: A Critical View of the "Japanese Miracle" (U)</i>		Vol 3, Nos 1-2, Spr-Sum 84	Book review Japan
<i>Book Review: SIGINT Secrets: The Signals Intelligence War, 1900 to Today, The</i>	Vol. 12, No. 1, Spring 93	Book review Cryptologic history SIGINT	
<i>Book Review: Spywars: Espionage and Canada from Gouzenko to Glasnost (U)</i>	Johnson, Thomas R.	Vol. 14, No.2, Summer 95	Book review Canada Espionage
<i>Book Review: Spyworld: Inside the Canadian and American Intelligence Establishments (U)</i>		Vol. 14, No. 1, Spring 95	Book review Canada Intelligence community

~~TOP SECRET UMBRA~~

(b) (1)  
(b) (3)-50 USC 403  
(b) (3)-18 USC 798  
(b) (3)-P.L. 86-36

(b) (3)-P.L. 86-36

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<i>Book Review: Straw Giant, The (U)</i>	[Redacted]	Vol 9, No 4, Win 91	Book review Military forces
<i>Book Review: Structure and Interpretations of Computer Programs (U)</i>	[Redacted]	Vol 9, No 3, Fall 90	Book review Computer software Computer programming
<i>Book Review: The Target is Destroyed: What Really Happened to Flight 007 and What America Knew About It (U)</i>	Johnson, Thomas R.	Vol 5, No 3, Fall 86	Book review Communications SIGINT Soviet Union
<i>Book Review: The Technical Writer's Handbook : Writing with Style and Clarity (U)</i>	[Redacted]	Vol 9, No 1, Spr 90	Book review Writing
<i>Book Review: Technical Writing for Beginners (U)</i>	[Redacted]	Vol 4, No 4, Win 86	Book review Writing
<i>Book Review: To Arm A Nation (U)</i>	[Redacted]	Vol 8, No 2, Sum 89	Book review Military forces
<i>Book Review: Ultra Americans: The U.S. Role in Breaking the Nazi Codes,The (U)</i>	[Redacted]	Vol 5, No 3, Fall 86	Book review History Intelligence ULTRA
<i>Book Review: Ultra-Magic Deals and the Most Secret Relationship, 1940-1946, The (U)</i>	[Redacted]	Vol. 12, Nos. 3-4, Fall/ Winter 93	Book review BRUSA agreement Magic Ultra
<i>Book Review: Vietnam Spook Show (U)</i>	[Redacted]	Vol 11, No 1, Spr 92	Linguistics SIGINT support Vietnam War
<i>Book Review: Yen! Japan's New Financial Empire and Its Threat to America (U)</i>	[Redacted]	Vol 8, No 1, Spr 89	Book review Japan
BRANFLAKE (U)	[Redacted]	Vol. 13, No. 4, Winter 94	BRANFLAKE [Redacted]
[Redacted]	[Redacted]	Vol 10, No 1, Spr 91	Telephone Traffic analysis
Bringing User Power to the High Performance Workstation (U)	[Redacted]	Vol 9, No 2, Sum 90	Computer networks Management
BS Attitudes: How Things Work in Bureaucracies, The (U)	[Redacted]	Vol.15, No. 4, Winter 96	Bureaucracy

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Business Manager and Business Communications, The (U)		Vol 11, No 1, Spr 92	Communications Management
Calculation of Threat: A Review of Intelligence Community Initiatives for Indications and Warning (U)		Vol 1, Nos 2-3, Sum-Fall 82	Intelligence
CAP Production Software Library User (U)		Vol 4, 85 (CS Issue)	Computer software Computer systems
CCI Doctrine and the Simile of the Cave: Time for Enlightenment (U)		Vol.15, Special Edition 96	CCI Doctrine QUADRANT
		Vol 11, No 1, Spr 92	Telephone
Certification of the Air Force Intelligence Officer: What Now? (U)		Vol. 12, No. 2, Summer 93	Air Force intelligence Training
Challenges and Opportunities (U)		Vol 10, Nos 3-4, Fall-Win 91	Management
Challenges Encountered by Teachers and Learners of a Second Language (U)		Vol 4, No 4, Win 86	Language
		Vol.15, No. 4, Winter 96	Collection
Changing Development Environment from One of System Creation to One of System Evolution without Benefit of Changes to the Institutional Support Process, The (U)		Vol. 11, No. 2, Summer 92	Budget process Computer programming Management
Channel Capacity Algorithm (U)		Vol 2, Nos 1-2, Spr-Sum 83	Communications Mathematics
China: Forbidden No More? (U)		Vol. 13, No.4, Winter 94	China Travel
Chinese KGB, The (U)		Vol 1, No 1, Spr 82	China KGB
Church Cryptogram: Birth of Our Nation's Cryptology, The (U)		Vol 6, No 2, Sum 87	Cryptology
"Cipher" Dispatches and the Election of 1876 (U)		Vol. 11, No. 3, Fall 92	Cryptologic history

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Closer Look at the First Russian Language Proficiency Test, A (U)	[Redacted]	Vol. 12, No. 2, Summer 93	Language testing
Closing Address, Frontiers in Supercomputing Conference (U)	Faurer, Lincoln D., LT GEN, USAF	Vol 2, Nos 1-2, Spr-Sum 83	Supercomputers
Cobra Judy Acquisition, The (U)	[Redacted]	Vol 1, No 4, Win 83	[Redacted]
Code Acquisition by Binary Autodirective Search (U)	[Redacted]	Vol. 13, No. 3, Fall 94	Code synchronization Spread spectrum communications
Code Train: A Computer-Based Morse Code Training Package (U)	[Redacted]	Vol 6, Nos 3-4, Fall-Win 87-88	Computer programming Training
Cognitive Processes in Software Fault Detection (U)	[Redacted]	Vol. 11, No. 2, Summer 92	Cognitive process Computer programming Computer software
Collection Challenges Represented by the Proliferation of Very Small Aperture Terminal Communications, The (U)	[Redacted]	Vol. 13, No. 3, Fall 94	Collection VSAT
Combining Distributed Computing and Object-Oriented Techniques (U)	[Redacted]	Vol. 15, No. 1, Spring 96	Distributed computing Object-oriented techniques
COMINT and the PRC Intervention in the Korean War ( <del>S-CCO</del> )	Vanderpool, Guy R.	Vol. 15, No. 2, Summer 96	COMINT Korean War
[Redacted]	[Redacted]	Vol 7, No 2, Sum 88	[Redacted]
Comments on Supercomputing (U)	[Redacted]	Vol 2, Nos 1-2, Spr-Sum 83	Supercomputers
Communications and the Ionosphere (U)	Gerson, N. C.	Vol 1, No 4, Win 83	Communications HF Ionosphere
Communications Security and the Problem of Hamlet: To Be or Not to Be (U)	[Redacted]	Vol 3, Nos 3-4, Fall-Win 84-85	Communications security
Communist Carol, A (U)	[Redacted]	Vol 6, Nos 3-4, Fall-Win 87-88	Parody

~~TOP SECRET UMBRA~~

(b) (3)-P.L. 86-36

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Compacting the Masscomp Disk (U)		Vol 8, No 2, Sum 89	Digitizing Disk Supercomputer
Comparing Visual Detection to Machine Vision for Detecting the Presence of Laser Irradiation with an Electro-Optical Device (U)		Vol 4, No 4, Win 86	Electronics SIGINT
Comparison of Long Pipeline Protocols (U)		Vol 7, No 4, Win 89	Computer software Computer networks
Computer Graphics Database Design Aid Package, A (U)		Vol 2, 83 (CS Issue)	Computer graphics Data base
Computerized Identification of Message Families Using Graph Theory (U)		Vol 8, No 2, Sum 89	Computer graphics Communications
Computer Scripting of Arabic: Not the Impossible Dream ( <del>S-CCO</del> )		Vol 2, 83 (CS Issue)	Computer systems Language
Computer Security Certification Implications to Networked U.S. National Security Establishment Automated Data Processing Systems (U)		Vol 4, Sum 85 (Supplement)	Computer security Computer systems
Computers - The Wailing Wall (U)	Meyer, Joseph A.	Vol 6, Nos 3-4, Fall-Win 87-88	Computer systems Cryptanalysis
Computer Virus Infections: Is NSA Vulnerable? (U)		Vol 4, No 3, Fall 85	Computer security Computer virus
Computer Virus Organization: A Definitive Taxonomy and Anatomy of Computer Viruses (U)		Vol 5, No 3, Fall 86	Computer security Computer virus
Conditional Sigmage Analysis and Bulge Estimation (U)		Vol 1, 83 (CA Issue)	Cryptanalysis
Connect the Dots: The <span style="border: 1px solid black; display: inline-block; width: 80px; height: 15px;"></span> Aid to Studying Associations (U)		Vol 7, No 4, Win 89	Computer systems Mathematics
Creating an Information Space: Cyc and Carnot (U)		Vol. 12, Nos. 3-4, Fall/ Winter 93	Database management systems
Creativity: Can It Be Taught? (U)		Vol.13, No. 4, Winter 94	Creativity Management
Critical Programming Support during the Persian Gulf Crisis (U)		Vol. 12, No. 1, Spring 93	Critical programming support DESERT SHIELD/STORM

~~TOP SECRET UMBRA~~

(b) (1)  
 (b) (3) - 36 USC 798  
 (b) (3) - 18 USC 793  
 (b) (3) - P.L. 86-36

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
CRITICOMM Management: A User Interface (U)		Vol 2, 83 (CS Issue)	Computer graphics
Cryptanalysis: A Prognosis for the Eighties (U)		Vol 1, No 1, Spr 82	Cryptanalysis
Cryptanalysis in the United Kingdom (U)		Vol. 12, Nos. 3-4, Fall/ Winter 93	Cryptanalysis
Cryptanalytic Use of High-Speed Digital Computing Machines (U)		Vol. 13, No.4, Winter 94	Computers Cryptanalysis
Cryptographic Applications of Singular Value Decomposition (U)		Vol 1, 83 (CA Issue)	Cryptography Cryptology
Cryptographic Mathematics of Enigma, The (U)		Vol. 13, No. 3, Fall 1994	Ciphers Cryptanalysis Enigma Ultra
Cryptologic Area Specialists: Meeting Customer Needs into the Twenty-first Century (U)		Vol. 14, No. 3, Fall 95	Intelligence analysis Language
Cryptologic Origin of Braille, The (U)		Vol. 14, No. 3, Fall 95	Braille Communications
Crypto-TA: The Mighty Morphin of Technical Analysis (U)		Vol. 13, No. 4, Winter 94	Crypto-TA
CRYPTRONICS or Cryptanalysis and Cryptography in Microelectronics (U)		Vol. 15, Special Edition 96	Cryptanalysis Cryptography Microelectronics
Cuban-Mexican Oil Cooperation: Loosening the Tie that Binds? (U)		Vol 3, Nos 1-2, Spr-Sum 84	Economics Soviet Union
Cuban Missile Crisis: A SIGINT Perspective, The (U)		Vol.13, No. 1, Spring 94	Cuban Missile Crisis
DAEMON - A FOLKLORE System Guardian Spirit (U)		Vol 4, No 2, Sum 85	Computer progra-ming Computer systems
[Sensitive Title]		Vol. 15, Special Edition 96	
Data Transmissions (U)		Vol. 15, No. 3, Fall 96	Collection equipment Receivers
Database Processing with Triple Modular Redundance (U)		Vol 5, No 4, Win 87	Computer systems Data Base
Dealing with the Future: The Limits of Forecasting (U)		Vol. 15, No. 3, Fall 96	Forecasting

~~TOP SECRET UMBRA~~



~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
<b>Debunking Some Old Myths about Critical-Grade Promotions (U)</b>	<b>Jenkins, Virginia C.,</b>	<b>Vol 1, No 1, Spr 82</b>	<b>Performance Promotion</b>
<b>Decade of Information Service at FANX, A (U)</b>		<b>Vol 8, No 3, Fall 89</b>	<b>Information support Library</b>
<b>DEFSMAC: The Future Is Now (U)</b>		<b>Vol. 13, No.1, Spring 94</b>	<b>DEFSMAC LANs</b>
<b>Deployment of the First ASA Unit to Vietnam (U)</b>		<b>Vol 10, Nos 3-4, Fall-Win 91</b>	<b>Army Security Agency Vietnam War</b>
<b>Design and Evaluation of INFOSEC Systems: The Computer Security Contribution to the Composition Discussion, The (U)</b>		<b>Vol. 12, No. 1, Spring 93</b>	<b>Computer security INFOSEC</b>
<b>Designers vs Users: Bridging the Communication Gap (U)</b>		<b>Vol 2, 83 (CS Issue)</b>	<b>Computer graphics</b>
<b>[Redacted]</b>		<b>Vol 10, Nos 3-4, Fall-Win 91</b>	<b>Language [Redacted] Orthography Personal computers</b>
<b>Developing a Document Image Processing System (U)</b>		<b>Vol. 11, No. 3, Fall 92</b>	<b>Desktop publishing Document image processing</b>
<b>Developing a Feedback Maintenance System (FMS) on Carillon (U)</b>		<b>Vol 4, 85 (CS Issue)</b>	<b>Communications Computer Systems</b>
<b>Developing Effective User Documentation (U)</b>		<b>Vol 6, No 1, Spr 87</b>	<b>Programmer</b>
<b>Development of Communications Security Equipment, The (U)</b>		<b>Vol.15, No. 2, Summer 96</b>	<b>COMSEC</b>
<b>Development of Cryptologic Training, 1949 to 1960, The (U)</b>	<b>and David A. Hatch</b>	<b>Vol 9, No 3, Fall 90</b>	<b>Training</b>
<b>Development of Decision Support Analysis for Traffic Analysis (U)</b>		<b>Vol. 12, Nos. 3-4, Fall/ Winter 93</b>	<b>Decision support systems Traffic analysis</b>
<b>Development of the Transposition Pseudo-Square Technique, The (U)</b>		<b>Vol 1, 83 (CA Issue)</b>	<b>Cryptanalysis</b>
<b>[Redacted]</b>		<b>Vol 2, Nos 3-4, Fall-Win 83-84</b>	<b>Communications SIGINT</b>
<b>Diabolical Diagnosis (U)</b>		<b>Vol 5, 86 (CA Issue)</b>	<b>Cryptanalysis Cipher systems</b>

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
[Redacted]	[Redacted]	Vol 9, No 4, Win 91	Radio communications Soviet Union [Redacted]
Diary of William F. Friedman, 23 April-13 June 1943, Part I (U)	Friedman, William F.	Vol 1, Nos 2-3, Spr-Fall 82	Friedman, W. F. History Human factor
Diary of William F. Friedman, 23 April-13 June 1943, Part II (U)	Friedman, William F.	Vol 1, No 4, W in 83	Friedman, W. F. History Human factor
Dictionary Searching by Syllabification and Syllable Indexing (U)	[Redacted]	Vol. 11, No. 2, Summer 92	Computer programming Language dictionary Pinyin dictionary
Differing Strategies for Process Group Management and Signal Handling in AT&T System V UNIX and Berkley UNIX (U)	[Redacted]	Vol 10, No 2, Sum 91	Computer Programming Computer software
Digital Communications: Introduction and Trends (U)	[Redacted]	Vol 1, No 4, Win 83	Communications
Digital Subscriber Loops (U)	[Redacted]	Vol. 15, No. 1, Spring 96	ISDN Subscriber loops
Digital Voice Compression Algorithm with Robust Properties, A (U)	[Redacted]	Vol 2, Nos 1-2, Spr-Sum 83	Communications Data base Mathematics
Director's Welcome at the 1992 Cryptologic History Symposium, The (U)	McConnell, Vice Admiral J.M., USN	Vol. 12, No. 1, Spring 93	Cryptologic history
Distributed File Access Over Heterogeneous Networks (U)	[Redacted]	Vol 7, No. 3, Fall 88	Computer networks
Distributed Processing on Powerful Personal Computers: Interim Results (U)	[Redacted]	Vol 4, 85 (CS Issue)	Computer networks
[Redacted]	[Redacted]	Vol. 13, No. 2, Summer 94	Counterintelligence Spaceborne [Redacted]

-S//SI

~~TOP SECRET UMBRA~~

(b)(1)  
(b)(3)-50 USC 403  
(b)(3)-18 USC 798  
(b)(3)-P.L. 86-36

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Domain Name Service (U)		Vol. 14, No. 2, Summer 95	Information networks LANs System administration
DOS/UNIX Interoperability and E-mail in the Agency (U)		Vol 11, No 1, Spr 92	Computer hardware Computer software
[redacted] A Story of Successful SIGINT Cooperation, The <del>(U) S//SI</del>		Vol 10, Nos 3-4, Fall-Win 91	[redacted] SIGINT support Terrorism
Dr. Louis W. Tordella, 1911-1996 (U)	author unknown	Vol. 15, No. 1, Spring 96	Tordella Deputy directors
[redacted]		Vol 5, Nos 1-2, Spr-Sum 86	Data Base Photo-reconnaissance
[redacted]		Vol. 13, No.1, Spring 94	Cryptologic history Soviet problem
[redacted]		Vol 8, No 1, Spr 89	Cryptanalysis SIGINT
Effects of Optical Components on System Performance, The (U)		Vol. 15, No. 2, Summer 96	Digital optical systems Optical fibers
Effects of Perestrojka on the Soviet Armed Forces Portend New Challenges to the Office of Soviet Military Forces (U)		Vol 8, No 2, Sum 89	Military Forces Soviet Union
Effects of Pictures on Adult Learning and Recall, The (U)		Vol. 11, No. 2, Summer 92	Training Visual learning
Eight Cryptologic Problems (U)		Vol 1, 83 (CA Issue)	Cryptology
Electronic Procurement Request Processing: A Goal for Improved Resources Management (U)		Vol 9, No 1, Spr 90	Management Procurement
EMC - A Field Perspective (U)		Vol 8, No 4, Win 90	Electronics
Encapsulating Xt Callback Functions in C + + (U)		Vol 11, No 1, Spr 92	Computer programming
Enhancing Auditory Perception (U)		Vol 1, Nos 2-3, Sum-Fall 82	Data base Translation

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Error Messages: The Importance of Good Design (U)		Vol 11, No 1, Spr 92	Computer Programming Computer systems
Essential Difference, The (U)		Vol 5, No 4, Win 86	Human factor Management
Evaluation of Conventional and LDD Devices for Submicron Geometries, An (U)		Vol 8, No. 1, Spr 89	Transistors
Examination of SSL Target Location Accuracies, An (U)	Gerson, N. C.	Vol. 15, No. 2, Summer 96	SSL target location <input type="text"/>
Examination of the Possible Effects of Slavic Chauvinism on the Economic and Political Development of the Southern Soviet Periphery, An (U)		Vol 7, No. 3, Fall 88	Human factor Soviet Union
Examples of Lattices in Computer Security Models (U)		Vol 4, No 4, Win 86	Computer security
Expanded MAX-MIN Priority Queue, An (U)		Vol 10, No 2, Sum 91	Computer software
Exploratory Exploitation (U)		Vol 5, 86 (CA Issue)	Cryptanalysis
Facing the Post-Cold War Era (U)	Nolte, William M.	Vol. 11, No. 4, Winter 92	Intelligence community Post-Cold War
Fall of the Shah: A Chaotic Approach, The (U)		Vol. 13, No. 4, Winter 94	Chaos Dynamical systems Indications and warning
Farewell Address, A (U)		Vol 4, No 2, Sum 85	Cryptanalysis
FARSEEING: A Study in Expert Systems (U)		Vol 8, No 2, Sum 89	Artificial intelligence Computer systems
Fault Simulation Requirements for Security Fault Analysis (U)		Vol 5, No 4, Win 87	Computer security
Fiber Distributed Data Interface, The (U)		Vol 7, No 1, Spr 88	Computer Networks
First Generation Technical Viral Defense, A (U)		Vol 7, No 2, Sum 88	Computer security Computer virus

~~TOP SECRET UMBRA~~

(b) (3)-P.L. 86-36

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
First U.S. Government Manual on Cryptography, The (U)	Gaddy, David W.	Vol. 11, No. 4, Winter 92	Cryptography Cryptologic history
Flight of the Condor, The (U)		Vol 10, No 1, Spr 91	Collection SIGINT
FOLKLORE: One Approach to Security (U)		Vol.13, No. 3, Fall 94	Computer security Cryptanalysts FOLKLORE
Foreign Language Proficiency Maintenance (U)		Vol 7, No 3, Fall 88	Language
Formally Stating Cryptographic Bypass Requirements (U)		Vol. 12, No. 2, Summer 93	Cryptographic bypass INFOSEC
Four-Power Conference: Looking at a Few Unique Translations from NSA's First Russian Language Proficiency Test , The (U)		Vol.13, No. 1, Spring 94	Language testing
Frequency Hopping Vulnerability to Partial Band Jamming (U)		Vol 1, No 1, Spr 82	Communications
Frequency Management--No Longer an Agency Nemesis (U)		Vol. 13, No. 2, Summer 94	Frequency management Telecommunications
From Chaos Born: General Canine's First Charge to the NSA Workforce (U)		Vol 6, No 2, Sum 87	DIRNSA
Full-Text Searching: Coming of Age (U)		Vol 8, No 3, Fall 89	Computer hardware Computer software Information support
Fundamentals of Electronic System Grounding (U)		Vol 1, Nos 2-3, Sum-Fall 82	Electronics
Further Results in Programming the	Vol 6, No 1, Spr 87	Computer programming	
Future High Frequency Target Location System, The (U)	Gerson, N. C.	Vol 2, Nos 1-2, Spr-Sum 83	HF
Future of Cryptology, The (U)	Meyer, Joseph A.	Vol 5, 86 (CA Issue)	Cryptology
Future of High Frequencies in Cryptology - Part I, The (U)	Gerson, N.C.	Vol. 11, No. 2, Summer 92	Cryptology HF Communications
Future of High Frequencies in Cryptology - Part II, The (U)	Gerson, N.C.	Vol. 11, No. 3, Fall 92	Cryptology HF Communications

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Future Spy Camera, The (U)		Vol. 15, No. 1, Spring 96	Holographic camera INFOSEC
Generalized GMW Sequences and an Application to Frequency Hopping (U)		Vol 3, Nos 1-2, Spr-Sum 84	Electronics Engineering Mathematics
Geographic Information Systems (U)		Vol 10, Nos 3-4, Fall-Win 91	Computer systems Information support
GKS: Its Comparison to Core and Its Feasibility of Use at NSA (U)		Vol 7, No 2, Sum 88	Computer Graphics
Glimpses of a Man: The Life of Ralph J. Canine (U)		Vol 6, No 2, Sum 87	Biography DIRNSA
GLISSADE Lessons Learned from a Rapid Prototype (U)		Vol. 13, No. 3, Fall 94	GLISSADE Software system design
Golden Age of Russia, The (U)		Vol. 13, No. 4, Winter 94	Holbrook, James Russia
GOLD NUGGET Award (U)		Vol. 15, No. 1, Spring 96	COMINT GOLD NUGGET Traffic analysis
GOLD NUGGET Award for Excellence in Traffic Analysis, The (U)		Vol. 14, No. 2, Summer 95	GOLD NUGGET Traffic analysis
Gorbachev in Historical Perspective (U)		Vol 8, No 4, Win 90	Gorbachev, Mikhail History Soviet Union
		Vol 6, No 2, Sum 87	
GRAFMAKER: A Powerful Business Graphics Tool (U)		Vol 4, 85 (CS Issue)	Computer graphics Computer software
Graphic User Interface for the Transcriber-Analyst, A (U)		Vol 2, 83 (CS Issue)	Computer graphics Computer systems
Guerrillas in the Mist: COMINT and the Formation and Evolution of the Viet Minh, 1941-45 (U)	Hanyok, Robert J.	Vol. 15, No. 1, Spring 96	Viet Minh Vietnam
Handy-Dandy Field Site History: Fifty Years of Field Operations, 1945-1995, The (U)	Johnson, Thomas R.	Vol. 14, No. 1, Spring 1995	Cryptologic history Field sites
HFDF Research Attempts: Past and Future (U)	Gerson, N.C.	Vol 1, Nos 2-3, Sum-Fall 82	HF

~~TOP SECRET UMBRA~~

(b) (3) - P.L. 86-36

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
High-Altitude Electromagnetic Pulse (HEMP): "A Sleeping Electronic Intruder," The (U)		Vol 5, No 3, Fall 86	Communications Electronics
		Vol 4, No 2, Sum 85	Security
High-Tech Trade War with Japan: Can Anyone Win?, The (U)	Jelen, George F.	Vol 5, Nos 1-2, Spr-Sum 86	Economic warfare Japan
Historical Intelligence Production Problems: Is Technology the Answer? (U)		Vol 4, No 4, Win 86	Collection Computer systems Intelligence
History of the South Vietnamese Directorate for Technical Security (U)		Vol. 13, No. 1, Spring 94	Cryptologic history Vietnam
History of the TACOMETER Development, A (U)		Vol. 12, No. 2, Summer 93	TACOMETER
Hitler Gambit Versus the Great Anyway, The (U)		Vol 5, Nos 1-2, Spr-Sum 86	International affairs
Holistic Analysis (U)		Vol 4, No 1, Spr 85	Analysis Collection
Hot Carrier Effects on VLSI Devices (U)		Vol 6, No 1, Spr 87	Electron injection
Human Visual Perception and Man-Computer Interaction (U)		Vol 4, 85 (CS Issue)	Computer graphics
HYPERCHANNEL: Its Applications in ASHLAND's Architecture (U)		Vol 7, No. 3, Fall 88	Computer networks Computer systems
Hypermedia Implemented in Object-Oriented Database Management Systems (U)		Vol 10, No. 1, Spr 91	Computer networks Management
Icon: An Enhancement to the UNIX Language Hierarchy (U)		Vol 6, No 1, Spr 87	Computer Programming
Identifying Spoken Languages: A Community Problem Whose Time Has Come (U)		Vol. 15, No. 3, Fall 96	Language
Ideograph Writing Patterns and Computer Input (U)		Vol 4, No 3, Fall 85	Computer systems Language
If Cryptanalysis Is What We Do and Cryptanalysts Are What We Are, Then Where Does That Leave the Rest of Us? (U)	Nolte, William M.	Vol 9, No 2, Sum 90	Cryptology

~~TOP SECRET UMBRA~~

(b) (3)-50 USC 403  
 (b) (3)-18 USC 798  
 (b) (3)-P.L. 86-36

(b) (3)-P.L. 86-36

~~TOP SECRET UMBRA~~

S//ST

Title	Author	Reference	Keyword
Impressions of the 1995 American Translators' Association Conference in Nashville as Viewed from the Perspective of the [redacted] (U)		Vol. 15, No. 1, Spring 96	Language Translation
Improving Productivity in Software Prototype Developments (U)		Vol. 14, No. 3, Fall 95	Software prototype development
IMP Syntax Graph, The (U)		Vol 4, No 4, Win 86	Computer programming
In Defense of Translation (U)		Vol 4, No 2, Sum 85	Linguistic Language
In France's Footsteps (U)		Vol 4, No 3, Fall 85	Intelligence
Inference and Cover Stories (U)		Vol. 12, Nos. 3-4, Fall/Winter 93	Cover stories
Inference through Polyinstantiation (U)		Vol. 11, No. 4, Winter 92	Computer security Polyinstantiation
Influence of U.S. Cryptologic Organizations on the Digital Computer Industry (U)	Snyder, Samuel S.	Vol 6, Nos 3-4, Fall-Win 87-88	Computer systems History
Information Engineering: Integrated Methodologies for Building a Transcriber Information Aids System (U)		Vol 4, 85 (CS Issue)	Computer systems Engineering
In Pursuit of a SONET Link Encryptor (U)		Vol 10, No 1, Spr 91	Computer networks Link encryption Optical
Information System Security Engineering: Application Customer Focused (U)		Vol. 11, No. 3, Fall 92	Information security Open systems
[redacted]		Vol. 15, Special Edition 96	Databases [redacted]
Integrating Strategic Planning and Quality Initiatives (U)		Vol. 14, No. 1, Spring 95	Management Strategic planning TQM
Integrative Language Testing (U)		Vol 4, No 3, Fall 85	Language
Intelligence: A Business or a Craft (U)		Vol 7, No 3, Fall 88	Intelligence Management

~~TOP SECRET UMBRA~~



~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Intelligence and the American Presidency (U)	Johnson, Thomas R.	Vol. 14, No. 3, Fall 95	Book review Intelligence
Intelligence Preparation of the Battlefield: How Can NSA Improve Its Contributions to the IPB Process? (U)		Vol. 12, No. 2, Summer 93	IPB
International Telecommunications Revolution: VANs, ISDNs, and Other Assorted Collection Nightmares, The (U)		Vol 5, No 3, Fall 86	Collection Telecommunications
Internet: Opportunity and Challenge for the Information Services Organization at the National Security Agency (U)		Vol. 15, No. 4, Winter 96	Information services Internet
INTERROGRAPH: An Information Tool for Counter-Terrorism Intelligence Centers (U)		Vol 2, 83 (CS Issue)	Computer graphics Intelligence
Introduction: Examples of Powerful Personal Computers (U)		Vol 2, 83 (CS Issue)	Computer hardware
Introduction: Special Computer Science Issue (U)		Vol 4, 85 (CS Issue)	Computer Hardware
Introduction to a Historic Computer Document: Betting on the Future - The 1946 Pendergrass Report, Cryptanalysis and the Digital Computer, The (U)		Vol. 13, No. 4, Winter 94	Computers Cryptanalysis Pendergrass, J. T.
Introduction to Asynchronous Transfer Mode (ATM) (U)		Vol. 14, No. 1, Spring 95	ATM Communications network technology
Introduction to Distributed Processing for the Layperson: Making the Move from the General Store to the Supermarket . . . , An (U)		Vol. 15, No. 3, Fall 96	Distributed processing
Introduction to Object-Oriented Software Design and Development and Its Application at NSA, An (U)		Vol. 12, Nos. 3-4, Fall/Winter 93	Object-orientation Software design
Introduction to Optical Lithography Modeling (U)		Vol 6, Nos 3-4, Fall-Win 87-88	Lithographer Optical
Introduction to Optical Projection Lithography Tools (U)		Vol 8, No 1, Spr 89	Lithographer Optical

~~TOP SECRET UMBRA~~

~~TOP SECRET UMBRA~~

Title	Author	Reference	Keyword
Introduction to Positive Photoresist Processing (U)		Vol 6, No 2, Sum 87	Lithographer Optical
Introduction to Volume Modeling and Rendering, An (U)		Vol. 11, No. 3, Fall 92	Data manipulation Volume modeling Volume rendering
Iranian Islamic Revolutionary Guard Corps: "Khomeini's KGB," The (U)		Vol 4, No 4, Win 86	Iran Middle East
Iran-Iraq War: Regional Implications and Alternatives for Resolution, The (U)		Vol 7, No 2, Sum 88	International affairs Middle East
I Was a Cryptologic Corporal! (U)		Vol 1, No 4, Win 83	History Human factor
John H. Tiltman: A Reminiscence (U)	Lutwiniak, William	Vol 1, Nos 2-3, Sum-Fall 82	Personality Tiltman, John H.
J2 Software Process Improvement Effort Measures of Value, The (U)		Vol. 15, No. 3, Fall 96	Software process improvement
KAL 007 Shootdown: A View from [redacted] The (U)		Vol. 12, Nos. 3-4, Fall/Winter 93	KAL 007
Korean Phonology System: An Automated Language Information Aid for Transcribers, The (U)		Vol 8, No 1, Spr 89	Language Transcription system
Language Cross-Training: Alternatives and Permutations (U)		Vol. 11, No. 3, Fall 92	Language training Linguistics
Language Expert System: Squeezing the Expert Linguist into a Computer (U)	Gurin, Jacob (Jack)	Vol 4, No 1, Spr 85	Computer systems Language Linguistic
Language Identification (U)		Vol. 15, No. 3, Fall 96	Language
Language Multimedia-A Makeover (U)		Vol. 13, No. 2, Summer 94	Computer-managed instruction Language training Video technology
LARC: An Electrical Parameter Extraction Algorithm for VLSI Standard Cell Designs(U)		Vol 9, No 2, Sum 90	Computer software
Learning Theories and Computer-Assisted Language Instruction Technologies: A Synthesis (U)		Vol 10, No 1, Spr 91	Computer-assisted instruction Computer programming Language

~~TOP SECRET UMBRA~~





































































































































































































































































































































