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CUMULATIVE INDEX

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Barry D. Carleen
Chief, Publications

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Employment of Military Linguists (U)	Gurin, Jacob	Vol. XIII, No. 4, Fall 1968 and Special Linguistics Issue, II	Military linguists
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Mathematical Modeling of TEMPEST Channels (U)		Vol. XVI, No. 3, Summer 1971	Signals TEMPEST
Mathematics and Computers in Cryptanalysis (U)		Special Council of Learned Organization Issue, 1972	Computers Mathematics
Matric Recursions (U)		Vol. XXII, No. 3, Summer 1977	Mathematics
Matrix Business: Part II, This (U)		Vol. III, No. 3, July 1958	Mathematics
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Matter Transmission (U)		Vol. VIII, No. 1, Winter 1963	Cryptosecurity
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"Maybe It's Related to the Phase of the Moon" (U)		Vol. XVII, No. 4, Fall 1972	PRC
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Mickle-Muckle Principle in Hagelin Cryptanalysis, The (U)		Vol. IX, No. 4, Fall 1964	Cryptanalysis Hagelin machine
MICROCOMPUTER: General-Purpose Signal Process, The (U)		Vol. XXII, No. 2, Spring 1977	Signal processing
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Minimizing Wasted Space in Information Files (U)		Vol. XIV, No. 4, Fall 1969	File storage
Missile Trajectories (U)		Vol. II, No. 1, January 1957	Missile trajectory
Model 204 - The Analyst's Computer (U)		Vol. XXI, No. 3, Summer 1976	Analysis Computers
Modification of a Phantastron Generator, A (U)		Vol. IV, No. 4, October 1959	Circuits
Modified Normal Curves (U)		Spring 1961	Cryptanalysis Mathematics
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Multilingual Codes (U)		Vol. X, No. 4, Fall 1965	Codes Language
Multipath Differential Doppler Data (U)		Vol. XXI, No. 3, Summer 1976	Signals
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Narrow-Band Speech Security (U)		Vol. III, No. 4, December 1958 and Special Linguistics Issue	Cipher equipment Security
Need for System Approach, The (U)		Vol. VII, No. 2, Spring 1962	SIGINT
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Net Reconstruction - A Basic Step in Traffic Analysis (U)		Vol. III, No. 3, July 1958	Traffic analysis
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Notes on Chi-Square in Cryptanalysis (U)		Vol. II, No. 3, July 1957	Cryptanalysis	
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On Cipher (U)		January 1960	Ciphers
On Comparing Two Observed Frequency Counts (U)		Vol. III, No. 2, April 1958	Chi-squares
On Cryptanalysis and Redundancy (U)		Vol. IV, No. 3, July 1959	Cryptanalysis
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On Operatorless Computers (U)		Vol. I., No. 1, April 1956	Computers Storage
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On the Distribution of n -Digit Groups by the Sum of Their Digits (U)		Vol. I, No. 2, July 1956	Cryptography
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Operations Research in NSA (U)		Vol. X, No. 1, Winter 1965	Management Operations
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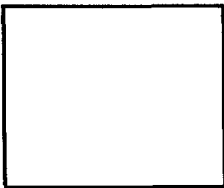
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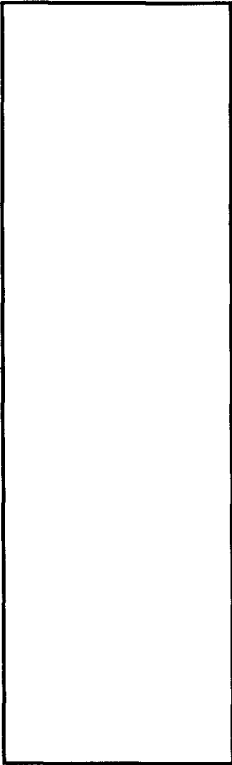
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Z-Flags in Hagelin Cryptanalysis (U)	Vol. IX, No. 1, Winter 1964	Cryptanalysis	
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	Gweeks Had a Gwoup for It, The (U)	Vol. XXI, No. 2, Spring 1976	Bletchley Park Cryptologic history
	<i>Book Review: Norse Medieval Cryptography in Runic Carvings</i> (U)	Vol. XIII, No. 3, Summer 1968	Book review Cryptologic history
	UTIL of English: A Study of the Quality of SIGINT Product (U)	Vol. XVII, No. 4, Fall 1972	SIGINT reporting
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	Automatic Signal Identification	Special Issue, January 1971	Signal identification
	FDM Activity Detection (U)	Vol. XXI, No. 1, Winter 1976	FDM signals
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	Introduction to Cryptology - I, An (U)	Vol. IV, No. 4, October 1959	Cryptologic history
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	Correlation and Power Spectra of Randomly Sampled and Held Signals (U)	Vol. XIV, No. 2, Spring 1969	Signals analysis	
	Analysis of Sorting Techniques for Multiple Signal Intercept (U)	Vol. XII, No. 3, Summer 1967	COMINT target identification	
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		Future Problems of Intercept (U)	Vol. VIII, No. 1, Winter 1963	COMINT ELINT
		Ionospheric Propagation (U)	Vol. III, No. 4, December 1958	Communications Ionosphere
		Intercept and Electromagnetics (U)	Vol. XX, No. 2, Spring 1975	Electricity Optics
Intercept of USSR Missile Transmissions (U)		Vol. IV, No. 3, July 1959	Electromagnetics Missile radiation	
Interference and Intercept (U)		Vol. XVI, No. 1, Winter 1971	Intercept Noise	
Polar Ionosphere, The (U)		Summer 1961	Ionosphere Physics	
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	Geodetic Latitude and Altitude from Geocentric Coordinates (U)	Vol. XX, No. 1, Winter 1975	Astrodynamics Mathematics
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	Mechanical Treatment of Fibonacci Sequences, A (U)	Vol. II, No. 4, October 1957	Cryptanalysis
	Orbit Computation with the Vinti Potential and Universal Variables (U)	Vol. XIX, No. 1, Winter 1974	Astrodynamics
	Orbit Fitting to Angular Data (U)	Vol. XXI, No. 2, Spring 1976	Astrodynamics
	Sequential Least Squares Estimates (U)	Vol. XII, No. 2, Spring 1967	Mathematics
	Times of Shadow Passage for Earth Satellites (U)	Vol. VIII, No. 3, Summer 1963	Satellite tracking
	Transverse Mercator Projection, The (U)	Vol. XXIV, No. 4, Fall 1979	Mapping
On the Expected Number of Random Stops Corresponding to a Given Menu (U)	Vol. VIII, No. 1, Winter 1963	Cryptanalysis	

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	<input type="checkbox"/> The Case for Bad Grammar (U)	Vol. IX, No. 2, May 1964 and Special Linguistics Issue	Russian grammar
	Spoken Russian: The Other Grammar (U)	Vol. XIV, No. 3, Summer 1969	Russian language
	Weather or Not - Encrypted? (U)	Vol. XII, No. 4, Fall 1967	COMSEC North Vietnam
	Standard for Evaluating the Intelligence Content of Equipment Emanations (U)	Vol. IX, No. 3, August 1964	Equipment emanations
	Book Review: Basic Cryptologic Glossary (C)	Vol. XI, No. 1, Winter 1966	Book review Cryptology
	Exact Markoff Probabilities from Oriented Linear Graphs (U)	Vol. II, No. 3, July 1957	Mathematics
	List of Properties of Bayes-Turing Factors, A (U)	Vol. X, No. 2, Spring 1965	Mathematics
	Mickle-Muckle Principle in Hagelin Cryptanalysis, The (U)	Vol. IX, No. 4, Fall 1964	Cryptanalysis Hagelin machines
	Roughness of Visitations in a Markov Chain, The (U)	Vol. VIII, No. 2, Spring 1963	Mathematics
	Turing's Contributions to Cryptology (U)	Vol. VIII, No. 3, Summer 1963	Cryptology Mathematics
	COMINT Analysis and Reporting on the Developing Nations (U)	Vol. XVII, No. 2, Spring 1972	Analysis COMINT Reporting
	Fourier Analysis on Finite Abelian Groups (U)	Vol. XXI, No. 3, Summer 1976	Mathematics
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	Rationale for and Preliminary Implementation of HYPERCAN (High Performance Cryptanalysis) (U)	Vol. XXIII, No. 4, Fall 1978	Computers Cryptanalysis
	Foreign vs. U.S. Computers: An Appraisal (U)	Special Council of Learned Organization Issue, 1972	Computers
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Gurin, Jacob	Employment of Military Linguists (U)	Vol. XIII, No. 4, Fall 1968 and Special Linguistics Issue, II	Military linguists
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Gurin, Jacob	Nest of Dragons, A: The Voice Problem (U)	Vol. XXI, No. 1, Winter 1976	Language Voice problem
Gurin, Jacob	Possible Applications of Keyword Recognition in Voice Intercept (U)	Vol. XXII, No. 1, Winter 1977	Keywords Voice intercept
Gurin, Jacob	Speaker Identification by Machine: Where Do We Stand? (U)	Vol. XIV, No. 4, Fall 1969	Speaker identification
Gurin, Jacob	Translation of a Classic: A Matter of Ethics, The (U)	Vol. XI, No. 2, Spring 1966	Literature Translation
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	"Maybe It's Related to the Phase of the Moon" (U)	Vol. XVII, No. 4, Fall 1972	Callsign generation PRC

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	Use of Production Methods in Reading Transposed Letter Codes (U)	Vol. II, No. 1, January 1957 and Special Linguistics Issue	Codes
	Electron Beam Recording for Wideband Analog Signals (U)	Vol. XIV, No. 3, Summer 1969	Recording Signals
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	Electrical and Magnetic Properties of Computer Tape (U)	Vol. IX, No. 1, Winter 1964	Digital recordings IBM
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	Learn with BOOK (U)	Vol. XI, No. 3, Summer 1966	Light reading
	Hybrid Circuits (U)	Vol. III, No. 1, January 1958	Circuits
	Low Cost Process for Printed Circuits, A (U)	Vol. II, No. 1, January 1957	Circuits
	Modification of a Phantastron Generator, A (U)	Vol. IV, No. 4, October 1959	Circuits
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	New Approach to the One-Time Pad, A (U)	Vol. XIX, No. 3, Summer 1974	Ciphers One-time pads
	Problem Solving with On-line Systems (U)	Special Council of Learned Organization Issue, 1972	On-line systems Problem solving
	Reliability and Checking in Computing Systems (U)	Vol. II, No. 4, October 1957	Computer diagnostics
	Threaded File Retrieval System (U)	Vol. XII, No. 2, Spring 1967	Document storage
	Cryptanalytic Applications of Sequential Analysis (U)	Vol. IX, No. 3, August 1964	Cryptanalysis Mathematics
	Multiple Hypothesis Testing and the Bayes factor (U)	Vol. XVI, No. 3, Summer 1971	Cryptomathematics

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	Project EXPLORER (U)	Vol. XVI, No. 2, Spring 1971	Cryptologic history Vietnam
	Introduction to Computer Binary Arithmetic, An (U)	Vol. III, No. 2, April 1958	Computer Mathematics
	Assignment Algorithm Applied to Manual Cryptosystems (U)	Vol. XX, No. 1, Winter 1975	Computers Cryptanalysis
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Jacobs, Walter W.	Finding the Best-Scoring Permutation (U)	Vol. XIV, No. 4, Fall 1969	Mathematics
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	Pattern Recognition (U)	Winter 1961	Pattern recognition
	Reading a Depth by Computer (U)	Vol. X, No. 2, Spring 1965	Computer programming
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	On the Distribution of n -Digit Groups by the Sum of Their Digits (U)	Vol. I, No. 2, July 1956	Cryptography
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	Variance of the Number of Ones in a Derived Stream of Zeros and Ones (U)	Vol. XII, No. 2, Spring 1967	Mathematics
	Role of Carrier (VCh) Telephony in Soviet World War II Strategic Communications (U)	Vol. XIX, No. 3, Summer 1974	Communications Soviets
	On the Maximization of X^TAX over the Vertices of the Cube (U)	Vol. VIII, No. 1, Winter 1963	Cryptanalysis
Automatic Crib-Dragging Device for Hagelin Machines, An (U)	Vol. I, No. 1, April 1956	Hagelin machines	
Cycles from Nonlinear Shift Registers (U)	Special Mathematics and Engineering Issue, 1981-1983	Shift registers	
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	Text Recognition Procedure for Cryptanalysis, A (U)	Vol. XI, No. 3, Summer 1966	Cryptanalysis
	Magic Digraphs (U)	Vol. XII, No. 1, Winter 1967	Cryptanalysis
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	Data Transmission Over Telephone Circuits (U)	Vol. IV, No. 1, January 1959	Digital data Transmission
	Analysis of Lexical Meaning across Cultures, An (U)	Vol. XIII, No. 4, Fall 1968	Communications Language
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	"False Friends" of the Translator in the English and Russian Languages: A Translation from the Russian of V. V. Akulenko (U)	Vol. XVI, No. 4, Fall 1971	Russian translation
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	Problems of Meaning in Interlingual Dictionaries (U)	Vol. III, No. 1, January 1958	Language dictionaries
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	Reciprocal Alphabets and Friedman Squares (U)	Vol. III, No. 1, January 1958	Reciprocal alphabets
	Some Applications of Information Theory (U)	Vol. I, No. 1 April 1956	Information theory
	Report on the Keyword System, A (U)	Vol. IV, No. 3, July 1959	Codes Keywords
	Special Felix System, The (U)	Vol. IV, No. 2, April 1959	German code
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	Book Review: Mathematical Statistics (U)	Vol. VII, No. 4, Fall 1962	Book review Mathematics
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	Maya Astronomical Computer, The (U)	Vol. XXII, No. 1, Winter 1977	Astronomy Cryptologic history
	ABC of Cifax, The (U)	Vol. I, No. 2, July 1956	Communications Facsimile Privacy
	OVERLORD, the Programmer's Friend: An Extension of the IDASYS Operating System (U)	Vol. XXII, No. 2, Spring 1977	Computer operating systems
	Error Formula for Iterative Prefiltering Frequency Estimates, An (U)	Vol. XXII, No. 3, Summer 1977	Frequency Linear prediction
	"Typewriter" Key and the Stereotype, The (U)	Vol. IV, No. 4, October 1959	Code groups
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	Apparent Paradox of Bayes Factors, The (U)	Vol. X, No. 1, Winter 1965	Bayes factors Cryptanalysis
	Bayes Marches On (U)	January 1960	Cryptanalysis Mathematics
	Notes on Chi-Square in Cryptanalysis (U)	Vol. II, No. 3, July 1957	Cryptanalysis
	Optimum Use of Log Weights (U)	Vol. IX, No. 3, August 1964	Computers Plain text
	Solving a Playfair Cipher by Computer (U)	Vol. XIV, No. 4, Fall 1969	Computer cryptanalysis
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Lewis, Frank W.	<i>Book Review: Cloak & Cipher</i> (U)	Vol. VII, No. 3, Summer 1962	Book review Cryptanalysis
Lewis, Frank W.	Categories of Cryptographic Phenomena - with a Few Examples of Effect and Cause (U)	Vol. XII, No. 4, Fall 1967	Cryptography
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Lewis, Frank W.	Garden Paths I Have Followed (U)	Vol. IX, No. 3, August 1964	Cryptanalysis
Lewis, Frank W.	German Agent Systems of World War II (S)	Vol. VII, No. 3, Summer 1962	Cryptologic history Germany South America
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Lewis, Frank W.	Something May Rub Off! (U)	Vol. X, No. 1, Winter 1965	Cryptanalysis
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	Long and Short of Single Transpositions, The (U)	Vol. XXI, No. 2, Spring 1976	Cryptanalysis Mathematics
	Quick Check for Transposal Garbles, A (U)	Vol. IV, No. 2, April 1959 and Special Linguistics Issue	Garbles
	Net Reconstruction - A Basic Step in Traffic Analysis (U)	Vol. III, No. 3, July 1958	Traffic analysis
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	MICROCOMPUTER: General-Purpose Signal Process, The (U)	Vol. XXII, No. 2, Spring 1977	Signal processing
	Introduction to Log-Linear Models in Cryptanalysis (U)	Vol. XXV, No. 2, Spring 1980	Computing Cryptanalysis
	Midway and Yamamoto: Properly Revisited (U)	Vol. XIII, No. 3, Summer 1968	Cryptologic history Midway
Classes of Rotors without Parallels (U)	Vol. X, No. 4, Fall 1965	Cryptanalysis Mathematics	
Programming Concepts for Verification and Security (U)	Vol. XXII, No. 4, Fall 1977	Programming Software	

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	Creation of an Artificial Ionosphere to Extend the Radio Horizon for Frequencies Below 100 MC, The (U)	Vol. XI, No. 2, Spring 1966	Communications
	Extending the Radio Horizon for Intercept Purposes by Using the Moon as a Reflector (U)	Vol. X, No. 2, Spring 1965	Intercept Signals
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	Linearly Induced Nonlinear Cycles (U)	Vol. XXII, No. 4, Fall 1977	Mathematics
Inexpensive Device for Pictorial Input and Output, An (U)	January 1960	Computer graphics	
Marston, E. Dale	Growing up with Computers at NSA (U)	Special Council of Learned Organization Issue, 1972	Computers
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	Cleaning the Augean Stables or How Much TA Can a Computer Do? (U)	Vol. XIII, No. 3, Summer 1968	Computers Traffic analysis
	Narrow-Band Speech Security (U)	Vol. III, No. 4, December 1958 and Special Linguistics Issue	Cipher equipment Security

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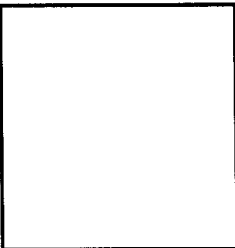
Author	Title	Reference	Keyword
	Evaluating Intercept Techniques (U)	Vol. XI, No. 2, Spring 1966	Intercept evaluation
	Phonemic Structure of Nootka, The (U)	Fall 1960	American Indian language
	APL Mechanization of Indirect Symmetry (U)	Vol. XVII, No. 3, Summer 1972	Computer languages
	Compiler Object Code Optimization (U)	Vol. XVII, No. 1, Winter 1972	Compilers FORTRAN
	Program Complexity Measure, A (U)	Vol. XXI, No. 4, Fall 1976	Software engineering
	Thoughts about Systems and Program Design (U)	Vol. XVIII, No. 2, Spring 1973	Computer programming
	Collection of LINCOMPEX Signals (U)	Vol. XVII, No. 2, Spring 1972	Collection Signals
	Introduction to Log-Linear Models in Cryptanalysis (U)	Vol. XXV, No. 2, Spring 1980	Computing Cryptanalysis
	Recognition of Latin Square Equivalence Classes (U)	Vol. XVI, No. 3, Summer 1971	Cryptanalysis
	Machine Translation (U)	Vol. XII, No. 2, Spring 1967	Machine translation
	Creation of an Artificial Ionosphere to Extend the Radio Horizon for Frequencies below 100 MC, The (U)	Vol. XI, No. 2, Spring 1966	Communications
	Factors Affecting Required Antenna Gain in VHF Intercept (U)	Vol I., No.3, October 1956	Antenna gain VHF intercept
	Cranks, Nuts, and Screwballs (U)	Vol. XI, No. 1, Winter 1966	Security

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Author	Title	Reference	Keyword
	Thrusts and Boggles of Outrageous Escalation, The: A VOCABULARY SURVEY AT THE NATIONAL WAR COLLEGE (U)	Vol. XIII, No. 2, Spring 1968	Vocabulary
	Computers and Queues (U)	January 1960	Computers Queues
	Extreme Values in Cryptanalysis (U)	Vol. IV, No. 4, October 1959	Cryptanalysis
	How to Visualize a Matrix (U)	Vol. VIII, No. 3, Summer 1963	Mathematics
	Modified Normal Curves (U)	Spring 1961	Cryptanalysis Mathematics
	Convergence Techniques for Finding Linear Approximations (U)	Special Fast Fourier Issue, August 1973	Mathematics
	Collection Management (U)	Vol. XIV, No. 1, Winter 1969	Collection management
	Evaluating Intercept Systems (U)	Vol. IX, No. 4, Fall 1964	Signals
	Intercept System Analysis (U)	Vol. XI, No. 2, Spring 1966	Communications Intercept
	Receiving System Analysis (U)	Vol. X, No 1, Winter 1965	Receivers
	Verified Intercept Predictions (U)	Vol. XII, No. 1, Winter 1967	Intercept
	"Word Spotter, A" (U)	Vol. IV, No. 4, October 1959	Computers
Meyer, Joseph A.	Automatic Maintenance (U)	Vol. IX, No. 1, Winter 1964	Computers Maintenance
	Capture-Jamming of SIGINT Targets (U)	Vol. XII, No. 2, Spring 1967	Communications Cryptanalysis

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	COMINT - Hard Facts in the Cold War (U)	Spring 1961	Communications Ethics
	Computers - The Wailing Wall (U)	Vol. I, No. 3, October 1956	Codes Cryptanalysis
	Der Fall WICHER: German Knowledge of Polish Success on ENIGMA (U)	Vol. XX, No. 2, Spring 1975	Cryptologic history ENIGMA
	Fallacy of the Systems Approach, The (U)	Vol. VII, No. 3, Summer 1962	Engineering
	PROBE DATA (U)	Vol. XI, No. 1, Winter 1966	SIGINT
	Room 40 Compromise, The (U)	Vol. XXV, No. 1, Winter 1980	Cryptologic history
	Security Architecture in SIGINT Collection and Processing (U)	Vol. XX, No. 1, Winter 1975	Collection Security
	SIGINT Implications of Military Oceanography (U)	Vol. XII, No. 4, Fall 1967	Oceanography
	Simultaneous Error Insinuation in Electronic Cipher Machines (U)	Vol. XIV, No. 1, Winter 1969	Cipher machines
	Strategic Warning: An Intelligence Gap That NSA Might Fill (U)	Vol. XVIII, No. 3, Summer 1973	Strategic warning
	CAMINO (U)	Vol. XII, No. 3, Summer 1967	Computers Translation
	Language and the COMINT Production Process (U)	Vol. XIX, No. 3, Summer 1974	COMINT Language
	Language as a Bulk Commodity (U)	Vol. XX, No. 3, Summer 1975	Language
	Look at It This Way (U)	Vol. XVIII, No. 1, Winter 1973	Dictionaries Foreign languages



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	Design and Implementation of a Digital Demodulator for Use against On-Off Keyed Signals, The (U)	Vol. XXIII, No. 2, Spring 1978	Morse Signals
	Setwise Transitive Groups (U)	Vol. X, No. 2, Spring 1965	Mathematics
	Debugging Made Easier (U)	Vol. III, No. 4, December 1958	Computers Debugging
	Elements of Shift Register Cryptology (U)	Vol. XVI, No. 2, Spring 1971	Cryptology Mathematics
	Thermal Noise (U)	Vol. VII, No. 3, Summer 1962	Electricity
	Computerized Depth Reading (U)	Vol. XVII, No. 1, Winter 1972	Computers Cryptanalysis
	Processes for Random and Sequential Accessing in Dynamic Memories (U)	Vol. XXII, No. 4, Fall 1977	Dynamic memory Mathematics
	Generating Function Approach to GRETAG, A (U)	Vol. XXII, No. 1, Winter 1977	Mathematics
	Matric Recursions (U)	Vol. XXII, No. 3, Summer 1977	Mathematics
	Slow Look at Fast Transforms, A (U)	Special Fast Fourier Issue, August 1973	Mathematics
	High-Speed Automatic Scanning of Speech Bandwidth Channels (U)	Vol. XX, No. 4, Fall 1975	Speech scanning
	Bar Statistics, The (U)	Vol. VIII, No. 2, Spring 1963	Mathematics

Author	Title	Reference	Keyword
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	Sliding Strips, Additive, Subtractive, and Minuend (U)	Vol. XI, No. 2, Spring 1966	Cryptanalysis
	Intuitive Exposition of Zierler's Method for Finding Linear Recursions, An (U)	Vol. XIII, No. 1, Winter 1968	Cryptography Linear recursions
	Textual Criticism and NSA (U)	Vol. XIV, No. 3, Summer 1969	Editing
	"Trots" in Foreign Language Study (U)	Vol. II, No. 1, January 1957 and Special Linguistics Issue	Language aids
	Personal Contribution to the Bombe Story, A (U)	Vol. XX, No. 4, Fall 1975	Cryptologic history ENIGMA
	Maps and the Conversion of Gauss-Krüger Grid Coordinates (U)	Vol. III, No. 1, January 1958	Mapping
	Missile Trajectories (U)	Vol. II, No. 1, January 1957	Missile trajectory
	Note on Curve Fitting, A (U)	Vol. XIII, No. 4, Fall 1968	Mathematics
	Order Statistics for Cell Counts (U)	Vol. XXIII, No. 4, Fall 1978	Mathematics
	Cipher Signal Phase Modulation (U)	Vol. XIV, No. 2, Spring 1969	Ciphers Modulation
	Analysis of a Transistor Monostable Multivibrator (U)	Vol. IV, No. 3, July 1959	Circuits Transistors
	Computer Simulation of the Vulnerability of Frequency Hopping Communications Systems to a Follower Jammer (U)	Vol. XXV, No. 4, Fall 1980	Communications Frequency hopping Jamming

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	Intuitive Exposition of Zierler's Method for Finding Linear Recursions, An (U)	Vol. XIII, No. 1, Winter 1968	Cryptography Linear recursions
	Markov Models for Phonetic Text (U)	Vol. XVIII, No. 1, Winter 1973	Communications Speech
	Graceful Degradation Through Distributed Intelligence (U)	Vol. XXIII, No. 3, Summer 1978	Computers
	Use of Special Identification Techniques (SIT) in the Solution of Specific SIGINT Problems, The (U)	Vol. XII, No. 4, Fall 1967	Signal identification
	Subnanosecond Instrumentation (U)	Vol. IX, No. 1, Winter 1964	Pulses
Nolte, William M.	Project TENNIS and External Influences on NSA Systems Development (U)	Vol. XXIII, No. 2, Spring 1978	
	Error in a Capacitor-Type Totalizer (U)	Vol. III, No. 4, December 1958	
	Factors Affecting Required Antenna Gain in VHF Intercept (U)	Vol I., No.3, October 1956	Antenna gain VHF intercept
	Survey of the Status of the Voice Problem, A (U)	Vol. XII, No. 4, Fall 1967	Voice communications
	VIDEOFILE: A New Information Storage System (U)	Vol. XIII, No. 2, Spring 1968	Information storage Video
	Solution of Additive-Minuend Busts (U)	Vol. III, No. 1, January 1958	Cryptanalysis
	Information Theory and the Packing of Spheres (U)	Vol. IV, No. 2, April 1959	Information theory

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	Classes of Rotors without Parallels (U)	Vol. X, No. 4, Fall 1965	Cryptanalysis Mathematics
Oliver, Donald B.	Trends, Developments, and Pressures in SIGINT Reporting Today (U)	Vol. XXI, No. 1, Winter 1976	SIGINT reporting
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	Survey of the Distance Problem, A (U)	Vol. XVIII, No. 2, Spring 1973	Crypto-mathematics
	Darlington Compound Transistor as a Current Controlled Voltage Source, A (U)	Vol. IX, No. 4, Fall 1964	Electricity
	Representation of Signals on Orthonormal Bases, The (U)	Vol. IX, No. 1, Winter 1964	Signals
	Tunnel Diode Characteristic Function Generator (U)	Vol. VIII, No. 1, Winter 1963	Computers
	Why Analog Computation? (U)	Vol. VII, No. 3, Summer 1962	Analog computers
	Weather: Its Role in Communications Intelligence (U)	Vol. III, No. 3, July 1958	Weather
	Philosophy of U.S. Cryptography and Cryptographic Usage, A (U)	Vol. XII, No. 3, Summer 1967	Cryptography
	Hierarchical Clustering of Cryptanalytic Data and Comparison with Multidimensional Scaling, The (U)	Vol. XXI, No. 4, Fall 1976	Cryptanalysis
	RYE, an Extended Capacity Remote Access System (U)	Vol. IX, No. 2, May 1964	Computer programming

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	Recollections Concerning the Birth of One-Time Tape and Printing-Telegraph Machine Cryptography (U)	Vol. I, No. 2, July 1956	Cryptography
	Some Notes on Information Theory (U)	Vol. IV, No. 1, January 1959	Information theory
	Realization and Optimization of the Audio Frequency Microminiature Thin Film Band-Pass Filters (U)	Vol. XIII, No. 4, Fall 1968 Special Mathematics and Engineering Issue, 1981-1983	Filters Frequency
	Some Recent Vocoder Studies at the National Security Agency (U)	Vol. XIII, No. 2, Spring 1968	Vocoders
	Note on a Solution of a Polyalphabetic Dinome System, A (U)	Vol. I, No. 3, October 1956	Ciphers
	Randomization Made to Order: "Random Numbers Are Too Important to be Left to Chance" (U)	Special Council of Learned Organization Issue, 1972	Cryptanalysis Randomization
	Introduction to Electronic Phase-Lock Oscillators, An (U)	Vol. VIII, No. 2, Spring 1963	Phase-lock oscillators
	Introduction to Programming of a Digital Computer (U)	Vol. II, No. 3, July 1957	Computer programming
	Cryptanalytic Use of High-Speed Digital Computing Machines (U)	Vol. IX, No. 3, August 1964	Computers Cryptanalysis

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	Number of Components in Random Linear Graph, The (U)	Vol. IV, No. 2, April 1959	Cryptanalysis
	Perpetuation of Bias in Shift Register Devices (U)	Vol. XIV, No. 4, Fall 1969	Shift registers
	Tetrahedral Plugging (U)	Vol. VIII, No. 2, Spring 1963	Ciphers Key
	RYE, an Extended Capacity Remote Access System (U)	Vol. IX, No. 2, May 1964	Computer programming
	Fundamentals of Majority Logic (U)	Vol. IV, No. 4, October 1959	Digital circuits Logic
	Ionospheric Propagation (U)	Vol. III, No. 4, December 1958	Communications Ionosphere
Phillips, Cecil	SIGINT Computer Processing in the 1980s (U)	Vol. XXII, No. 2, Spring 1977	Computer processing
	Digitizer Queuing Model for FROSTING (U)	Vol. XIV, No. 4, Fall 1969	Collection Queuing theory
	JACQUARD - A Yates Algorithm Machine (U)	Special Fast Fourier Issue, August 1973	JACQUARD machine Mathematics
	On Understanding the Null Hypotheses of Test Statistics (U)	Vol. VIII, No. 4, Fall 1963	Mathematics
	Spread Spectrum System Jamming Response (U)	Vol. XXII, No. 3, Summer 1977	Signals Spread spectrum
	Computer Graphics in an Engineering Simulation Program (U)	Vol. XVII, No. 2, Spring 1972	Computer programming

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	Experimental Approach to an Environment Study in the HF Band (U)	Vol. VIII, No. 4, Fall 1963	Collection Signals
	Drawing to a Straight Flush - A Study in Technical Intelligence (U)	Vol. XXI, No. 3, Summer 1976	ELINT Technical intelligence
	Genesis of Mobile Magoo, The (U)	Vol. XX, No. 3, Summer 1975	Telemetry processing
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	Spacecraft Passenger Television from Laika to Gagarin (U)	Vol. XXI, No. 2, Spring 1976	Space flights
	Two New Language Models (U)	Vol. XXIV, No. 3, Summer 1979	Language modeling
	German Radio Intelligence (U)	Vol. XXV, No. 4, Fall 1980	Cryptologic history German COMINT
	Operation VANGUARD	Vol. I, No. 2, July 1956	Communications Earth satellites
	Linear Approximations and the Degree of the Function (U)	Special Fast Fourier Issue, August 1973	Mathematics
	Simulation of Cryptoprinciples (U)	Special Council of Learned Organization Issue, 1972	Communications security
	Analysis of Thin Film Germanium Epitaxially Deposited onto Calcium Fluoride (U)	Vol. VIII, No. 2, Spring 1963	Physics
	Scaling Matrix for the Analog Computer (U)	Vol. VII, No. 1, Winter 1962	Computer programming

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	Asian Communist Aircraft Location Systems (U)	Vol. XX, No. 1, Winter 1975	Aircraft tracking
	Conjugate Codebooks (U)	Vol. XXII, No. 3, Summer 1977	Cryptanalysis
	Boer War Cipher, A (U)	Vol. X, No. 3, Summer 1965 and Vol. X, No. 4, Fall 1965	Ciphers Cryptologic history
	SELLNOW - A Man-Machine Communication System for ELINT Data (U)	Vol. VIII, No. 4, Fall 1963	ELINT
	Theoretical Linguistics and Language Universals (U)	Vol. XXII, No. 2, Spring 1977	Linguistics
	How to Choose a Good Crib (U)	Vol. X, No. 4, Fall 1965	Cryptanalysis
	With Love (and Parentheses) from Peking (U)	Vol. XII, No. 1, Winter 1967	Chinese language Codes
	Time Coordination of SIGINT Sites (U)	Vol. XII, No. 2, Spring 1967	Intercept sites
	Notes on Missile Terminal Ballistics (Soviet) (U)	Vol. IX, No. 1, Winter 1964	Missile trajectory
	Language Problem at NSA, The (U)	Vol. I, No. 1, April 1956	Esperanto Language
	Metalin: A Draft of a Metalanguage (U)	Vol. XI, No. 4, Fall 1966	Artificial language
	Multilingual Codes (U)	Vol. X, No. 4, Fall 1965	Codes Language
Worldwide Language Problems at NSA (U)	Vol. XIII, No. 4, Fall 1968	Language training	

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	Product Sequences II (U)	Vol. XX, No. 4, Fall 1975	Mathematics
	How the Japanese Army Water Transport Code 2468 Was Broken (U)	Vol. XVIII, No. 4, Fall 1973	Cryptologic history Japan
	CATNIP: Computer Analysis - Target Networks Intercept Probability (U)	Vol. XVI, No. 1, Winter 1971	Collection Intercept
	Number of Components in Random Linear Graph, The (U)	Vol. IV, No. 2, April 1959	Cryptanalysis
	Optical Fourier Transform and Periodic Phenomena (U)	Vol. XVIII, No. 3, Summer 1973	Mathematics
	Anglicisms in Puerto Rico (U)	Vol. XVII, No. 1, Winter 1972	Spanish language
	<i>Book Review: A History of NSA General-Purpose Electronic Digital Computers (C-SCQ)</i>	Vol. IX, No. 2, May 1964	Book review Computers
	Low Cost Process for Printed Circuits, A (U)	Vol. II, No. 1, January 1957	Circuits
	On the Minimization of Integer Quadratic Forms over Nonzero Integer Vectors (U)	Vol. XXV, No. 1, Winter 1980	Mathematics
	Cooley-Tukey Fast Fourier Transform for Base 4 and Base 4 + 2 (U)	Vol. XVII, No. 4, Fall 1972	Mathematics
	<i>Book Review: TRATADO DE CRIPTOGRAFIA (U)</i>	Vol. XI, No. 2, Spring 1966	Book review Spanish cryptography
	Chaco: A Horrible Example (U)	Vol. XVIII, No. 3, Summer 1973	Translation errors

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	Spanish Languages, The (U)	Vol. XIII, No. 1, Winter 1968	Spanish language	
	Note on Univariant Interpolation (U)	Vol. III, No. 4, December 1958	Interpolation	
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	Scheduling Function in a Time-Sharing Environment, The (U)	Vol. XVI, No. 2, Spring 1971	Computer systems	
	Attack on Blair-Huffman Encipherments, An (U)	Spring 1961	Ciphers	
	Don't Be Too Smart (U)	January 1960	Codes Japanese military	
	Method of Recovery of Fibonacci Key, A (U)	Vol. I, No. 3, October 1956	Cryptanalysis	
	John Dee: Consultant to Queen Elizabeth I (U)	Vol. XII, No. 4, Fall 1967	Cryptologic history	
	Borders of Cryptology, The (U)	Vol. IV, No. 4, October 1959	Cryptology Electronic warfare	
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Salemme, Arthur J.	Are the Russians Gaining Wordwise? (U)	Spring 1961	Russian language	
	Computer, There is Thy Sting! (U)	Vol. XVI, No. 4, Fall 1971	Computers Russian Translation	
	Language Files: A Basic COMINT Aid (U)	Vol. IV, No. 2 April 1959	COMINT Russian language	
	Few Tricks of the Trade for the Translator of Russian, A (U)	Vol. XI, No. 4, Fall 1966	Russian language Translation	

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	Some Problems in the Field of Machine Translation or the Case of the Volatile Mouses (U)	Fall 1960	Machine translation
	Tour of Some Russian Translation Traps, A (U)	Vol. XIV, No. 4, Fall 1969	Russian Translation
	Use of the B-Coefficient in Information Retrieval, The (U)	Vol. XIII, No. 4, Fall 1968	Information retrieval
	On the Maximization of X'AX over the Vertices of the Cube (U)	Vol. VIII, No. 1, Winter 1963	Cryptanalysis
	Midway and Yamamoto: Properly Revisited (U)	Vol. XIII, No. 3, Summer 1968	Cryptologic history Midway
	Parabolic "Mock" Design for an FFT - Implemented Filter Scheme (U)	Special Issue, January 1971	Filters
	Database Services (U)	Vol. XII, No. 1, Winter 1967	Databases Soviet
	APT System, The (U)	Vol. XXIII, No. 3, Summer 1978	Computers Data processing
Schierlmann, Charles J.	Growing up with Computers at NSA (U)	Special Council of Learned Organization Issue, 1972	Computers
	Wandering Wheel, The (An Introduction to) (U//FOUO)	Vol. XIII, No. 1, Winter 1968	Cipher machines
	Cold-Cathode Counter Tube Study, A (U)	Vol. III, No. 4, December 1958	Cathode Pulses
	PPM Telemetry Simulator (U)	Fall 1960	 telemetry
	Computer Scripting (U)	Vol. XXIV, No.1, Winter 1979	Computers Language Working aids

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	How Can the Communications Sciences Contribute to the Study of Natural Systems? (U)	Vol. VIII, No. 3, Summer 1963	Communications Cybernetics
	Parity as an Operation Checking Code (U)	Vol. VIII, No. 3, Summer 1963	Mathematics
	Substantive Analysis (U)	Vol. IV, No. 2, April 1959	Analysis
	MP-14: Unlimited Random Source (U)	Vol. XVII, No. 3, Summer 1972	Computers Cryptanalysis
	German Tires and Black Cats: Estimation of Population Size (U)	Vol. XIX, No. 3, Summer 1974	Cryptanalysis
	Conjugate Codebooks (U)	Vol. XXII, No. 3, Summer 1977	Cryptanalysis Substitution
	Convolutions, Cube Roots, and Computer Cryptography (U)	Vol. XVIII, No. 3, Summer 1973	Computers Cryptography
	Introduction to the Special Issue (U)	Special Fast Fourier Issue, August 1973	Mathematics
	Linear Approximation Attack on an Irregularly Stepping Key Generator, A (U)	Special Fast Fourier Issue, August 1973	Mathematics
	Strength of the Bayes Score, The (U)	Vol. XVII, No. 1, Winter 1972	Mathematics
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	Determining Intercept Assignments (U)	Vol. XII, No. 2, Spring 1967	Intercept
	Management of Magnetic Tape (U)	Vol. X, No. 4, Fall 1965	Tape management
	Minimizing Wasted Space in Information Files (U)	Vol. XIV, No. 4, Fall 1969	File storage
	Need for System Approach, The (U)	Vol. VII, No. 2, Spring 1962	SIGINT
	Operations Research in NSA (U)	Vol. X, No. 1, Winter 1965	Management Operations
	Representing Data in Computers (U)	Vol. III, No. 1, January 1958	Data representation
	Six Characteristics of Information Handling Systems (U)	Vol. XIV, No. 3, Summer 1969	Information systems
	Cryptologist: Can He Exist?, The (U)	Vol. II, No. 3, July 1957	Cryptologists
	Curiosa Scriptorum Sericorum: To Write But Not to Communicate (U)	Vol. XVI, No. 3, Summer 1971	Communications Writing
	What Is Good Traffic Analysis? (U)	Vol. XXIV, No. 4, Fall 1979	Traffic analysis
	Developments in the Automatic Acquisition and Translation of Hand-Keyed Morse Code (U)	Vol. XXIV, No. 1, Winter 1979	Communications Morse code
	Conjugate Codebooks (U)	Vol. XXII, No. 3, Summer 1977	Cryptanalysis Substitution
	Emergency Destruction of Documents (U)	Vol. I, No. 1, April 1956	Document destruction

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	Designing Secure Reliable Software - A Methodology (U)	Vol. XXI, No. 4, Fall 1976	Computer security Software
	International or Cross-Country Depths (U)	Vol. I, No. 3, October 1956	Cryptanalysis
Sinkov, Abraham	Abstract Groups Defined by Generating Operators (U)	April 1960	Groups Operators
	Soviet Science and Technology: Present Levels and Future Prospects (U)	Vol. IV, No. 1, January 1959	Science and technology Soviet
	Potential of Tropospheric Ducting as a Collection Technique, The (U)	Vol. XX, No. 1, Winter 1975	Collection
	CXCO Story, The (U)	Vol. XVI, No. 4, Fall 1971	Cryptanalysis Cryptologic history
	SPECOL: A New AND, OR, NOT Language for Use with Computers (U)	Vol. XII, No. 1, Winter 1967	Computer language
	Ambiguity Reduction by Markov Analysis of TEMPEST Signals (U)	Vol. XVI, No. 1, Winter 1971	Signals TEMPEST
	Mathematical Modeling of TEMPEST Channels (U)	Vol. XVI, No. 3, Summer 1971	Signals TEMPEST
	Tail Probabilities for the Binomial Distribution (U)	Vol. VIII, No. 3, Summer 1963	Mathematics
Snyder, Samuel S.	ABNER: The ASA Computer Part 1: Design (U)	Vol. XXV, No. 2, Spring 1980	Computers Cryptologic history
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	Growing up with Computers at NSA (U)	Special Council of Learned Organization Issue, 1972	Computers
	Offsets of Differences: Summation and Difference Methods (U)	Vol. II, No. 4, October 1957	Encipherment
	Development of High Speed Automatic Morse Translators, The (U)	Vol. I, No. 1, April 1956	Morse translators
	Analytic Computer Technique for Anagramming Columnar Transposition (U)	Vol. VIII, No. 2, Spring 1963	Cipher Computer
	Simple Test for Slide or Kick, A (U)	Vol. VIII, No. 4, Fall 1963	Mathematics
	Computer-Aided Bookbreaking of Two-Part Codes (U)	Vol. XVII, No. 2, Spring 1972	Bookbreaking Computers
	Computers and Linguists Do Mix (U)	Vol. XVI, No. 3, Summer 1971	Computers Linguists
	Frame versus Corpus (U)	Vol. XVII, No. 1, Winter 1972	Bookbreaking Computers
	Redundancy Exploitation in the Computer Solution of Double-Crostics (U)	Vol. VII, No. 2, Spring 1962	Computers
	Repagination? (U)	Vol. XVIII, No. 4, Fall 1973	Bookbreaking Computers
	Under-Developed Languages, Under-Utilized Computers (U)	Vol. XX, No. 1, Winter 1975	Computers Language
	Will the Real 53 Stand Up? (U)	Vol. XIX, No. 1, Winter 1974	Cryptanalysis

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	Some Formulas concerning Bulges of Combining Functions (U)	Special Fast Fourier Issue, August 1973	Mathematics
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	Information Theory Applied to Computer Data Compression (U)	Vol. XXIII, No. 4, Fall 1978 and Special Mathematics and Engineering Issue, 1981- 1983	Computers Data compression (b) (1) (b) (3) -18 USC 798 (b) (3) -P.L. 86-36
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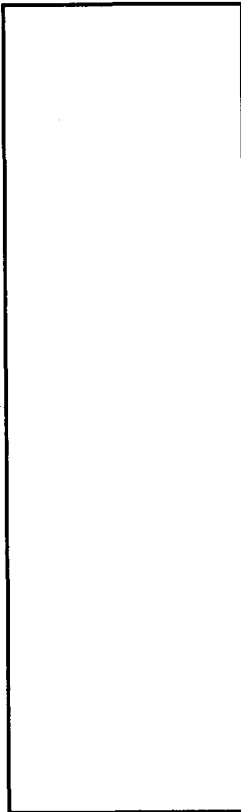
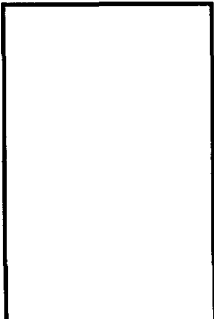
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	How to Choose a Good Crib (U)		Vol. X, No. 4, Fall 1965
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	Introduction to APL, An (U)		Vol. XVI, No. 4, Fall 1971
	Introduction to Diagnosis (U)		Vol. XIII, No. 3, Summer 1968
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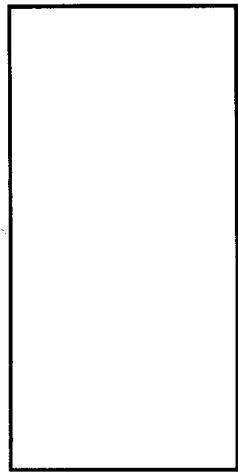
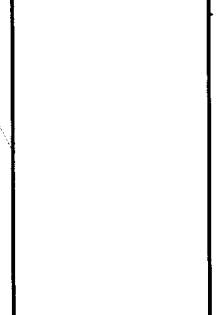
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Japanese Military	Don't Be Too Smart (U)		January 1960
Key	Tetrahedral Plugging (U)		Vol. VIII, No. 2, Spring 1963

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(b) (3)-50 USC 403
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Keywords	Title	Author	Reference
Key Generators			Vol. XXIV, No. 3, Summer 1979
Keys	Combining Functions in Key Generators (U)		Spring 1961
Keyword Recognition	Whole New World of Speech, A; Or, Maybe 1984 Will Be a Good Year After All! (U)		Vol. XXI, No. 4, Fall 1976
Keywords	Possible Applications of Keyword Recognition in Voice Intercept (U)	Gurin, Jacob	Vol. XXII, No. 1, Winter 1977
	Report on the Keyword System, A (U)	Kullback, Solomon, and F. W. Lewis	Vol. IV, No. 3, July 1959
Korean War			Vol. XXIV No. 1 Winter 1979
Language	Analysis of Lexical Meaning Across Cultures, An (U)		Vol. XIII, No. 4, Fall 1968
	Book Review: Mechanical Resolution of Linguistic Problems (U)	Campaigne, Howard H.	Vol. III, No. 4, December 1958
	Computer Scripting (U)		Vol. XXIV, No. 1 Winter 1979
	CY-600 View of Language, A (U)		Vol. XVIII, No. 3, Summer 1973
	Language and the COMINT Production Process (U)		Vol. XIX, No. 3, Summer 1974
	Language as a Bulk Commodity (U)		Vol. XX, No. 3, Summer 1975
	Language Levels and Cryptologic Jobs (U)		Vol. XVIII, No. 3, Summer 1973

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Keywords	Title	Author	Reference
	Language Problem at NSA, The (U)	[Redacted]	Vol. I, No. 1, April 1956
	Layman's Guide to the Mysteries of Linguistics, A (U)	Gurin, Jacob	Vol. XXIII, No. 1, Winter 1978
	Linguistic Canonical Forms: Tools for Analytic Progress (U)	[Redacted]	Vol. XIII, No. 1, Winter 1968 and Special Linguistics Issue II
	Multilingual Codes (U)	[Redacted]	Vol. X, No. 4, Fall 1965
	Nest of Dragons, A: The Voice Problem (U)	Gurin, Jacob	Vol. XXI, No. 1, Winter 1976
	Under-Developed Languages, Under-Utilized Computers (U)	[Redacted]	Vol. XX, No. 1, Winter 1975
	Words and the Intelligence Value of Conversations (U)	Gurin, Jacob	Vol. XXIII, No. 2, Spring 1978
Language Acquisition	Investigations into Adult Language Learning/Acquisitions (U)	[Redacted]	Vol. XXIV, No. 3, Summer 1979
Language Aids	"Trots" in Foreign Language Study (U)	[Redacted]	Vol. II, No. 1, January 1957 and Special Linguistics Issue
Language Dictionaries	Problems of Meaning in Interlingual Dictionaries (U)	[Redacted]	Vol. III, No. 1, January 1958
Language Identification	Note on the English VCCC Pattern or Maximum Post-Vocalic Consonant Clustering in Monosyllabic English Words, A (U)	[Redacted]	Vol. XVII, No. 1, Winter 1972
Language Modeling	Two New Language Models (U)	[Redacted]	Vol. XXIV, No. 3, Summer 1979

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Keywords	Title	Author	Reference
Language Processing	Computer Processing of Natural Languages (U)		Special Council of Learned Organization Issue, 1972
	Multichannel Language Processing as a System (U)		Vol. XVII, No. 4, Fall 1972
Language Proficiency	Contextual Testing in Establishing Minimum Working Level Language Proficiency (U)		Vol. XXV, No. 1, Winter 1980
Language Training	Worldwide Language Problems at NSA (U)		Vol. XIII, No. 4, Fall 1968
Latin Squares	Computer Generation of Unrelated Latin Squares (U)		Vol. X, No. 3, Summer 1965
Learning Machines	Learning Machines (U)	Jacobs, Walter W.	Vol. III, No. 3, July 1958
	Learning Machines - Part II (U)	Jacobs, W. W.	Vol. IV, No. 2, April 1959
Library	Library and the User, The (U)		Vol. XIII, No. 2, Spring 1968
Light Reading	Learn with BOOK (U)		Vol. XI, No. 3, Summer 1966
Linear Prediction	Error Formula for Iterative Prefiltering Frequency Estimates, An (U)		Vol. XXII, No. 3, Summer 1977
Linear Recursions	Intuitive Exposition of Zierler's Method for Finding Linear Recursions, An (U)		Vol. XIII, No. 1, Winter 1968
Linguistics	Layman's Guide to the Mysteries of Linguistics, A (U)		Gurin, Jacob
	Theoretical Linguistics and Language Universals (U)		Vol. XXII, No. 2, Spring 1977

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Keywords	Title	Author	Reference
Linguists	Computers and Linguists <i>Do Mix</i> (U)	[Redacted]	Vol. XVI, No. 3, Summer 1971
	CY-600 <i>View of Language, A</i> (U)		Vol. XVIII, No. 3, Summer 1973
Literature	Translation of a Classic: <i>A Matter of Ethics, The</i> (U)	Gurin, Jacob	Vol. XI, No. 2, Spring 1966
Logic	Fundamentals of Majority Logic (U)	[Redacted]	Vol. IV, No. 4, October 1959
	Tunnel Diode Dynamic Logic Module, A (U)		Summer 1961
LVHF Collection	"Food for Thought" in LVHF Reception (U)	[Redacted]	Vol. XX, No. 4, Fall 1975
	LVHF Propagation and Collection Techniques (U)		Vol. XVI, No. 4, Fall 1971
Machine Language	TEMAC (Text Macro Compiler): A Machine Language for Processing Text (U)	D'Imperio, Mary	Vol. X, No. 3, Summer 1965 and Computer and Information Science Issue
Machine Translation	Machine-Aided Translation - Where Is It Today?(U)	[Redacted]	Vol. XVIII, No. 2, Spring 1973 and Special Linguistics Issue, II
	Machine Translation (U)		Vol. XII, No. 2, Spring 1967
	Some Problems in the Field of Machine Translation or The Case of the Volatile Mouses (U)	Salemme, Arthur J.	Fall 1960

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Keywords	Title	Author	Reference
Maintenance	Automatic Maintenance (U)	Meyer, Joseph A.	Vol. IX, No. 1, Winter 1964
Management	Mechanization Systems and a New Look at Management and Organization (U)		Vol. VII, No. 2, Spring 1962
	Operations Research in NSA (U)		Vol. X, No. 1, Winter 1965
Manual Morse	Computer Transcription of Manual Morse (U)		Vol. III, No. 3, July 1958
Mapping	ALRIGHT - A Map Overlay Generator (U)		Vol. XI, No. 2, Spring 1966
	Maps and the Conversion of Gauss-Krüger Grid Coordinates (U)		Vol. III, No. 1, January 1958
	Transverse Mercator Projection, The (U)		Vol. XXIV, No. 4, Fall 1979
Mathematicians	Some of My Best Friends Are Mathematicians (U)	Lewis, Frank W.	Vol. IV, No. 2, April 1959
Mathematics	Application of Fourier Transforms to Combiners (U)		Special Fast Fourier Transform Issue, August 1973
	Approximations to the Distribution Function of Sums of Independent Identically Distributed Random Variables (U)		Vol. X, No. 2, Spring 1965
	Art of Automatic Bearing Instrumentation, The (U)		Vol. XVIII, No. 4, Fall 1973
	Arithmetic of a Generation Principle for an Electronic Key Generator, The (U)		Vol. II, No. 1, January 1957
	Arithmetic of the Addition Generation Principle for Electronic Key Generators (U)		Vol. II, No. 3, July 1957

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Keywords	Title	Author	Reference
	Arithmetic of the Linear Generation Principle for Electronic Key Generators, The (U)		Vol. II, No. 4, October 1957
	Arithmetic of the Multiplication Generation Principle in the Koken Key Generator, The (U)		Vol. II, No. 2, April 1957
	Bar Statistics, The (U)		Vol. VIII, No. 2, Spring 1963
	Bar Statistics, The (U)		Vol. VIII, No. 4, Fall 1963
	Bayes Marches On (U)		January 1960
	"Binary" System for Complex Numbers, A (U)	Campaigne, Howard H.	Vol. X, No. 2, Spring 1965 and Computer and Information Sciences Issue
	<i>Book Review: "How to Estimate Probabilities," (Journal of the Institute of Mathematics and its Application) (U)</i>		Vol. XII, No. 2, Spring 1967
	<i>Book Review: "Involutory Commutants with some Applications to Algebraic Cryptography, I" (Journal für Reine und Angewandte Mathematik) (U)</i>		Vol. XII, No. 1, Winter 1967
	<i>Book Review: Mathematical Statistics (U)</i>		Vol. VII, No. 4, Fall 1962
	<i>Book Review: Recent Literature on Algebraic Cryptography (U)</i>		Vol. VII, No. 2, Spring 1962

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Keywords	Title	Author	Reference
	<p><i>Book Review: "Some Applications of High Speed Computers to the Case $n=2$ of Algebraic Cryptography," (Mathematics of Computation), Vol. 15, No. 75 (U)</i></p>		Fall 1961
	<p><i>Book Review: "Some Further Methods in Algebraic Cryptography"; (Journal of the Mitchell Scientific Society, No. 74) (U)</i></p>		Campaigne, Howard H.
	<p>Classes of Rotors without Parallels (U)</p>		Vol. X, No. 4, Fall 1965
	<p>Cluster Analysis: Introduction to Models and Methods (U)</p>		Vol. XXII, No. 2, Spring 1977
	<p>Comparison of the Efficiency of Two Methods of Estimating Certain Time Parameters, A (U)</p>		Vol. IX, No. 2, May 1964
	<p>Composition of Boolean Functions I (U)</p>		Special Fast Fourier Issue, August 1973
	<p>Composition of Boolean Functions II (U)</p>		Special Fast Fourier Issue, August 1973
	<p>Continued Fractions and Mills' Algorithm (U)</p>		Vol. XXV, No. 3, Summer 1980
	<p>Convergence Techniques for Finding Linear Approximations (U)</p>		Special Fast Fourier Issue, August 1973
	<p>Cooley-Tukey Fast Fourier Transform for Base 4 and Base $4+2$ (U)</p>		Vol. XVII, No. 4, Fall 1972
	<p>Cosymmetric Approximations to Combining Functions (U)</p>		Vol. XVI, No. 4, Fall 1971
	<p>Coupon Collecting and Cryptology (U)</p>		Vol. XI, No. 4, Fall 1966

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Keywords	Title	Author	Reference	
	Cryptanalytic Applications of Sequential Analysis (U)		Vol. IX, No. 3, August 1964	
	Distribution of $\Sigma b'(u, f)$, The (U)		Special Fast Fourier Issue, August 1973	
	Elements of Shift Register Cryptology (U)		Vol. XVI, No. 2, Spring 1971	
	Estimating the Number of Solutions in $[GF(2)]^n$ of a System of Equations over the Integers (U)		Vol. VIII, No. 3, Summer 1963	
	Euclidean Algorithm and Distances between Wheel Settings, The (U)		Vol. VIII, No. 1, Winter 1963	
	Exact Markoff Probabilities from Oriented Linear Graphs (U)		Vol. II. No. 3, July 1957	
	Fast Dynamic Programming Algorithm and Its Mathematical Basis, A (U)		Vol. XXI, No. 1, Winter 1976	
	Finding the Best-Scoring Permutation (U)		Jacobs, Walter W.	Vol. XIV, No. 4, Fall 1969
	FIR: A CDC 1604 Program for Solution of Systems of Linear Equations (U)			Vol. X, No. 1, Winter 1965
	Flattening Effect, The (U)		Kullback, Solomon	Vol. X, No. 1, Winter 1965
	Fourier Analysis on Finite Abelian Groups (U)		Vol. XXI, No. 3, Summer 1976	
	Fourier Coefficients and Function Decomposition (U)		Special Fast Fourier Issue, August 1973	
	Generating Function Approach to GRETAG, A (U)		Vol. XXII, No. 1, Winter 1977	

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Keywords	Title	Author	Reference
	Geodetic Latitude and Altitude from Geocentric Coordinates (U)		Vol. XX, No. 1, Winter 1975
	Geometric Approach to Waveform Recognition, A (U)		Vol. VIII, No. 2, Spring 1963
	Graph Theory (U)		Vol. XII, No. 3, Summer 1967
	Hill Climbing (U)		Vol. X, No. 4, Fall 1965
	How to Visualize a Matrix (U)		Vol. VIII, No. 3, Summer 1963
	In General the Iteration Converges (U) (U//FOUO)		Vol. XII, No. 1, Winter 1967
	Introduction to Computer Binary Arithmetic, An (U)		Vol. III, No. 2, April 1958
	Introduction to the Fast Fourier Transform, An (U)		Special Issue, January 1971
	Introduction to the Special Issue (U)		Special Fast Fourier Issue, August 1973
	JACQUARD - A Yates Algorithm Machine (U)		Special Fast Fourier Issue, August 1973
	Labeled Oriented Graphs Which Are Onto (U)		Vol. X, No. 1, Winter 1965
	Least Squares Analysis of a Probability Matrix, The (U)		Vol. IV, No. 1, January 1959
	Linear Approximation Attack on an Irregularly Stepping Key Generator, A (U)		Special Fast Fourier Issue, August 1973
	Linear Approximations and the Degree of the Function (U)		Special Fast Fourier Issue, August 1973

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Keywords	Title	Author	Reference
	Linear Approximations Using Continuous Functions (U)		Special Fast Fourier Issue, August 1973
	Linearly Induced Nonlinear Cycles (U)		Vol. XXII, No. 4, Fall 1977
	List of Properties of Bayes-Turing Factors, A (U)		Vol. X, No. 2, Spring 1965
	Long and Short of Single Transpositions, The (U)		Vol. XXI, No. 2, Spring 1976
	Low Weight Linear Recursions in Key (U)		Vol. VIII, No. 1, Winter 1963
	Product Sequences II (U)		Vol. XX, No. 4, Fall 1975
	Markov Chain - The Models with the Short Memories (U)		Vol. XVII, No. 1, Winter 1972
	Mathematics and Computers in Cryptanalysis (U)		Special Council of Learned Organization Issue, 1972
	Matric Recursions (U)		Vol. XXII, No. 3, Summer 1977
	Matrix Business: Part II, This (U)		Vol. III, No. 3, July 1958
	Modified Normal Curves (U)		Spring 1961
	Note on Curve Fitting, A (U)		Vol. XIII, No. 4, Fall 1968
	Note on "Logarithmic Scoring and Preliminary Testing" (U)		Vol. II, No. 4, October 1957

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Keywords	Title	Author	Reference
	Note on Product Sequences, A (U)		Vol. XVI, No. 2, Spring 1971
	On an Algorithm for Approximate Polybit Scoring Using Fourier Transforms (U)		Special Fast Fourier Issue, August 1973
	On the Minimization of Integer Quadratic Forms over Nonzero Integer Vectors (U)		Vol. XXV, No. 1, Winter 1980
	On Understanding the Null Hypotheses of Test Statistics (U)		Vol. VIII, No. 4, Fall 1963
	Optical Fourier Transform and Periodic Phenomena (U)		Vol. XVIII, No. 3, Summer 1973
	Order Statistics for Cell Counts (U)		Vol. XXIII, No. 4, Fall 1978
	Parity as an Operation Checking Code (U)		Vol. VIII, No. 3, Summer 1963
	Processes for Random and Sequential Accessing in Dynamic Memories (U)		Vol. XXII, No. 4, Fall 1977
	Random and Algebraic Coverings of Binary Vectors (U)		Vol. XXIII, No. 3, Summer 1978 and Special Mathematics and Engineering Issue, 1981-1983
	Remarks concerning Substantialization (U)		Vol. IX, No. 4, Fall 1964
	Roughness of Visitations in a Markov Chain, The (U)		Vol. VIII, No. 2, Spring 1963

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Keywords	Title	Author	Reference
	Scoring Function and Its Distribution, A (U)		Vol. XIII, No. 4, Fall 1968
	Sequential Least Squares Estimates (U)		Vol. XII, No. 2, Spring 1967
	Setwise Transitive Groups (U)		Vol. X, No. 2, Spring 1965
	Simple Test for Slide or Kick, A (U)		Vol. VIII, No. 4, Fall 1963
	Slow Look at Fast Transforms, A (U)		Special Fast Fourier Issue, August 1973
	Some Formulas concerning Bulges of Combining Functions (U)		Special Fast Fourier Issue, August 1973
	Some Properties of Sample Bulges (U)		Special Fast Fourier Issue, August 1973
	Spectral Analysis and the Fast Fourier Transform (U)		Vol. XIV, No. 1, Winter 1969
	Strategy for Program Decomposition for a Distributed Pipeline, A (U)		Vol. XXII, No. 4, Fall 1977
	Strength of the Bayes Score, The (U)		Vol. XVII, No. 1, Winter 1972
	Survey of Bent Functions, A (U)		Special Fast Fourier Issue, August 1973
	Survey of Multinomial Estimation for Code Weighting, A (U)		Vol. XX, No. 3, Summer 1975
	Symmetric Approximations to Boolean Functions (U)		Vol. XIX, No. 3, Summer 1974
	Tail Probabilities for the Binomial Distribution (U)		Vol. VIII, No. 3, Summer 1963

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Keywords	Title	Author	Reference
	Turing's Contributions to Cryptology (U)		Vol. VIII, No. 3, Summer 1963
	Variable-Length Output String <input type="checkbox"/> A (U) (U//FOUO)		Vol. XXI, No. 4, Fall 1976
	Variance of the Number of Ones in a Derived Stream of Zeros and Ones (U)		Vol. XII, No. 2, Spring 1967
	Way the Ball Bounces, The : An Experiment in Deconvolution Filtering (U)		Special Issue, January 1971
Memory	Assignment of Storage Space in Rapid-Access Memory Systems (U)		Vol. II, No. 2, April 1957
	CAM II (U)		Vol. IX, No. 2, May 1964
	Content - Addressed Memories (U)		Vol. IX, No. 1, Winter 1964
	Data Structures and Their Representation in Storage: Part I (U)	D'Imperio, Mary	Vol. IX, No. 3, August 1964
	Data Structures and Their Representation in Storage: Part II (U)	D'Imperio, Mary	Vol. IX, No. 4, Fall 1964
	Magnetic Core Memories (U)	<input type="checkbox"/>	Vol. II, No. 1, January 1957
Messages	"It Is Obvious That . . .": A Painless Approach to Cryptanalytic Diagnosis (U)	Lewis, F. W.	Vol. III, No. 2, April 1958
Midway	Midway and Yamamoto: Properly Revisited (U)	<input type="checkbox"/>	Vol. XIII, No. 3, Summer 1968
Military	Book Review: Military Cryptanalytics, Part II (U)	Campaigne, Howard H.	Vol. IV, No. 4, October 1959

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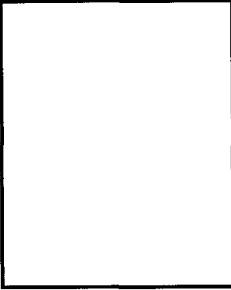
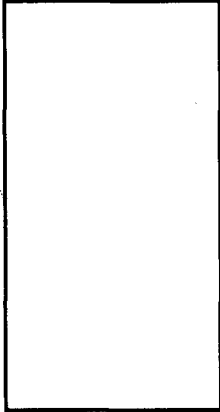
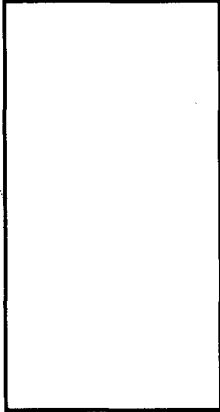
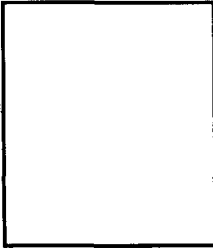
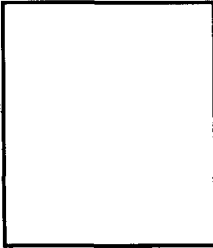
Keywords	Title	Author	Reference
Military Addresses	Correlation of Frequency of Appearance of Military Unit Addresses to Unit Echelon and Combat Readiness Status (U)	[Redacted]	Vol. XVII, No. 3, Summer 1972
Military Linguists	Employment of Military Linguists (U)	Gurin, Jacob	Vol. XIII, No. 4, Fall 1968 and Special Linguistics Issue, II
Missile Radiation	Intercept of USSR Missile Transmissions (U)	Gerson, Nathaniel C.	Vol. IV, No. 3, July 1959
Missile Trajectory	Missile Trajectories (U)	[Redacted]	Vol. II, No. 1, January 1957
	Notes on Missile Terminal Ballistics (Soviet) (U)		Vol. IX, No. 1, Winter 1964
Modems	Wireline Modem with Harmonic Distortion Equalization, A (U)		Vol. XXV, No. 2, Spring 1980 and Special Mathematics and Engineering Issue, 1981-1983
Modulation	Cipher Signal Phase Modulation (U)		Vol. XIV, No. 2, Spring 1969
[Redacted] Satellites	Target in Space, A (U)		Special Council of Learned Organization Issue, 1972
Monoalphabetic Substitution	De Profundis; or the ABC of Depth Reading (U)	Callimahos, Lambros D.	Vol. II, No. 1, January 1957
Morse	Design and Implementation of a Digital Demodulator for Use against On-Off Keyed Signals, The (U)	[Redacted]	Vol. XXIII, No. 2, Spring 1978

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Keywords	Title	Author	Reference
Morse Code	Developments in the Automatic Acquisition and Translation of Hand-Keyed Morse Code (U)		Vol. XXIV, No. 1, Winter 1979
Morse Translators	Development of High Speed Automatic Morse Translators, The (U)		Vol. I, No. 1, April 1956
Networking	Community Impacts on NSA Systems (U)		Vol. XXIII, No. 3, Summer 1978
Noise	Interference and Intercept (U)	Gerson, Nathaniel C.	Vol. XVI, No. 1, Winter 1971
	Noisy Pluggings (U)		Vol. III, No. 2, April 1958
North Vietnam	Weather or Not - Encrypted? (U)		Vol. XII, No. 4, Fall 1967
NSA	About NSA (U)		Vol. IV, No. 1, January 1959
	Report of the Second Computer Study Group (U)	Various	Vol. XIX, No. 1, Winter 1974
Oceanography	SIGINT Implications of Military Oceanography (U)	Meyer, Joseph A.	Vol. XII, No. 4, Fall 1967
On-Line Processing	CRISPI (U)		Vol. X, No. 1, Winter 1965
On-Line Systems	Problem Solving with On-line Systems (U)		Special Council of Learned Organization Issue, 1972
One-Time Pads	New Approach to the One-Time Pad, A (U)		Vol. XIX, No. 3, Summer 1974
Operating Systems	Privacy and Protection in Operating Systems (U)		Vol. XVIII, No. 2, Spring 1973
Operations	Operations Research in NSA (U)		Vol. X, No. 1, Winter 1965

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Keywords	Title	Author	Reference
Operators	Abstract Groups Defined by Generating Operators (U)	Sinkov, Abraham	April 1960
Optical Receiver	Optical Receiver, The (U)		Vol. XIII, No. 2, Spring 1968
Optics	Integrated and Guided Wave Optics and Device Applications (U)		Special Mathematics and Engineering Issue, 1981-1983
	Intercept and Electromagnetics (U)	Gerson, Nathaniel C.	Vol. XX, No. 2, Spring 1975
	Linear and Quadratic Electro-Optic Effects (Pockels and Kerr Effects) (U)		Vol. IX, No. 4, Fall 1964
Orbits	Determination of Missile and Earth Satellite Trajectories from Radar Observations (U)		April 1960
Patents	Patent Matters and the Technical Employee (U)		Vol. X, No. 3, Summer 1965
Pattern Recognition	Introduction to Statistical Pattern Recognition (U)		Vol. XXII, No. 3, Summer 1977 and Special Mathematics and Engineering Issue, 1981-1983
	Pattern Recognition (U)	Jacobs, Walter W.	Winter 1961
	Rotation Problem in Pattern Recognition, The (U)		Vol. VII, No. 1, Winter 1962
Personnel	Selection and Placement of Cryptanalytic Personnel (U)		Fall 1960
Phase-lock oscillators	Introduction to Electronic Phase-Lock Oscillators, An (U)		Vol. VIII, No. 2, Spring 1963

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Keywords	Title	Author	Reference
Physics	Analysis of Thin Film Germanium Epitaxially Deposited onto Calcium Fluoride (U)	[Redacted]	Vol. VIII, No. 2, Spring 1963
	Polar Ionosphere, The (U)	Gerson, Nathaniel C.	Summer 1961
	Thin Film Thermocouple (U)	[Redacted]	Vol. VII, No. 4, Fall 1962
Plain Text	Use of Optical Density Measurements of Thin Films to Determine Vapor Distributions, The (U)	[Redacted]	Vol. VIII, No. 3, Summer 1963
	Analysis of Digital Plaintext Autokey Systems, The (U)	Callimahos, Lambros D.	Vol. XIV, No. 2, Spring 1969
	Distribution of Letters in Short Messages of English, The (U)	[Redacted] Howard H. Campaigne	Vol. XIV, No. 2, Spring 1969
Planes	Optimum Use of Log Weights (U)	[Redacted]	Vol. IX, No. 3, August 1964
	IFF: A New Branch of Cryptology (U)	[Redacted]	Vol. II, No. 4, October 1957
PRC	"Maybe It's Related to the Phase of the Moon" (U)	[Redacted]	Vol. XVII, No. 4, Fall 1972
Privacy	ABC of Cifax, The (U)	[Redacted]	Vol. I, No. 2, July 1956
	Privacy and Protection in Operating Systems (U)	[Redacted]	Vol. XVIII, No. 2, Spring 1973
Probability	Entropy of German, The (U)	[Redacted]	Vol. I, No. 2, July 1956
	Distribution of the Maximum Bulge in a Flat Random Binary Stream, The (U)	[Redacted]	Vol. VII, No. 4, Fall 1962
Probability Theory	Book Review: Modern Probability Theory and Its Applications (U)	[Redacted]	Fall 1960

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Keywords	Title	Author	Reference
	<i>Book Review: Probability: An Introduction (U)</i>		Fall 1960
Problem Solving	Problem Solving with On-line Systems (U)		Special Council of Learned Organization Issue, 1972
Processing	ABC of Ciphony, The (U)		Vol. I, No. 2, July 1956 and Special Linguistics Issue
Programming	FUZZY: An Evolutionary Model for Data Structures (U)		Vol. XXIV, No. 3, Summer 1979
	Programming Concepts for Verification and Security (U)		Vol. XXII, No. 4, Fall 1977
	Application of [redacted] to the Voynich Manuscript, An (U) TOP SECRET	D'Imperio, Mary	Vol. XXIV, No. 2, Spring 1979
	[redacted]	[redacted]	Vol. XXIV, No. 3, Summer 1979
	[redacted]	[redacted]	Vol. XIX, No. 4, Fall 1974
Pulses	Cold-Cathode Counter Tube Study, A (U)		Vol. III, No. 4, December 1958
	Error in a Capacitor-Type Totalizer (U)		Vol. III, No. 4, December 1958
	Subnanosecond Instrumentation (U)		Vol. IX, No. 1, Winter 1964
PURPLE Machine	Solution of the Japanese "PURPLE" Machine, The (U)	Friedman, William F.	Vol. XIX, No. 1, Winter 1974

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Keywords	Title	Author	Reference	
Qualification Standards	Language Levels and Cryptologic Jobs (U)		Vol. XVIII, No. 3, Summer 1973	
Queues	Computers and Queues (U)		January 1960	
Queuing Theory	Application of Queuing Theory to Computer Systems, An (U)		Vol. XIV, No. 2, Spring 1969	
	Digitizer Queuing Model for FROSTING (U)		Vol. XIV, No. 4, Fall 1969	
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Radio Intercept	One Model for an Artificial Ionosphere (U)		Vol. XI, No. 2, Spring 1966	
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