



NTIS/PS-76/0453

**Police. Operations, Management, Training,  
Behavior, Equipment. Volume 1. 1964 - 1974**

**A Bibliography with Abstracts**

44137

**NTIS**

National Technical Information Service  
U.S. DEPARTMENT OF COMMERCE  
Springfield, Virginia 22161



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ACQUISITIONS

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**Search period covered**

**1964 - 1974**

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**SAMPLE ENTRY OF A CITATION FROM THE  
NTIS DATA BASE**

<u>Title</u>	<u>Corporate Author</u>	<u>Sponsoring Agency</u>	<u>Report Date</u>	<u>Pages in Report</u>	<u>NTIS Subject Categories</u>
Compilation of State Data for Eight Selected Toxic Substances. Volume I	Mitre Corp., McLean, Va.	*Environmental Protection Agency, Washington, D.C.	Office of Toxic Substances.	(402 364)	
Final rept.					
AUTHOR: Roberts, Elisabeth, Spewark, R., Stryker, S., Tracey, S.					
C5945F4 FLD: 06T, 06E, 57Y*, 57H, 68* USGRDR7606					
Sep 75 165p*					
REPT NO: MITRE-75-52-Vol-1					
CONTRACT: EPA-68-C1 2933					
MONITOR: EPA/560/7-75/001-1					
Paper copy also available in set of 5 reports: as PE-248 659-SET, PC\$36.00.					
ABSTRACT: In June 1974, toxic substances data in the U.S. was collected and analyzed in 20 key states. This report describes that effort and discusses the amount, type and usefulness of the data and the toxic substances monitoring capabilities of the state agencies contacted.					
DESCRIPTORS: *Environmental surveys, States (United States), Monitors, Toxicology, Arsenic, Beryllium, Cadmium, Cyanides, Lead (Metal), Mercury (Metal), Chlorine aromatic compounds, Data acquisition, Data processing, Water pollution, Air pollution, Chemical compounds					
IDENTIFIERS: *Toxic agents, Biphenyl/chloro, State agencies, NTISEPAOTS					
PB-248 660/3ST NTIS Prices: PC\$6.75/MF\$2.25					
		Paper Copy Price	Microfiche Price		
<u>Keywords</u>	<u>Order Number</u>				

**NOTE:** Prices are subject to change. See colored pages in back of search for current price list.

**Factors Influencing Arrests for Alcohol-Related Traffic Violations**

Dunlap and Associates, Inc., Darien, Conn.\*National Highway Traffic  
Safety Administration, Washington, D.C. (118 620)

Final rept. Dec 73-Aug 74

AUTHOR: Oates, John F. Jr

C3805B4 FLD: 5J, 5D, 92B\*, 91C\* USGRDR7426

Sep 74 250p\*

CONTRACT: DOT-HS-4-00837

MONITOR: DOT-HS-801-230

**ABSTRACT:** The report describes factors that were found to influence police officers' arrests of persons suspected of alcohol-related (A/R) traffic violations, and presents recommendations for treating these factors so that a higher level of enforcement might result. Conclusions and recommendations were derived from data obtained during a survey of eleven law enforcement agencies throughout the nation and from information elicited from 267 police patrolmen and 85 police supervisors. Additional data were obtained through interviews of prosecuting attorneys, judges, and other civic officials. Recommended actions for addressing these factors are made.

**DESCRIPTORS:** \*Police, \*Decision making, \*Motor vehicle operators, \*Alcoholic beverages, Factor analysis, Questionnaires, Surveys, Officer personnel, Attitudes, Traffic violations, Training, Perception, Ethnic groups, Sex, Policies, Motor vehicle accidents

**IDENTIFIERS:** Arrest decisions and alternatives, NTISDOTHTS

PB-237 004/7SL NTIS Prices: PC\$7.50/MF\$2.25

An Analysis of the Labor Market for Policemen

California Univ., Berkeley. Inst. of Industrial Relations.\*Manpower Administration, Washington, D.C. Office of Research and Development. (181 620)

Final rept.

AUTHOR: Wolitz, Louise Berman

C3711J2 FLD: 5I, 70D, 91C USGRDR7425

Sep 74 299p

GRANT: DL-91-05-70-13

MONITOR: DLMA-91-05-70-13-1

ABSTRACT: This report examines shortages of the police manpower and analyzes the economic content of police hiring standards. A monopsony explanation of shortages is rejected in favor of a dynamic shortage model and more rigorous model stressing the interaction of wages, hiring standards, authorized employment levels, and vacancy rates. Through multiple regression techniques, the author attempts to define the characteristics sought by the Oakland (California) Police Department's testing process between 1965 and 1971. The author finds that the probability of success is greatly increased as years of education increase and is also raised by previous police experience and high previous wages. It is decreased by minority group status and local residence. The author reviews recent changes, such as aggressive minority recruiting and affirmative action programs, which have greatly increased minority representation on the force. A review of the literature and a bibliography are included.

DESCRIPTORS: \*Police, \*Manpower, Placement, Salaries, Employment, Education, Experience, Ethnic groups, Recruiting

IDENTIFIERS: NTISLABRDU

PB-236 361/2ST NTIS Prices: PC\$8.75/MF\$2.25

The Impact of Police Activity on Subway Crime

Rand Corp Santa Monica Calif (296600)

AUTHOR: Chaiken, Jan M., Lawless, Michael W., Stevenson, Keith A.

C3682D1 FLD: 5K, 91C, 92C, 91B USGRDR7425

Mar 74 56p

REPT NO: P-5203

MONITOR: 18

ABSTRACT: The impact of police manning and apprehension activities on New York City subway crime, with emphasis on robbery, is analyzed for the period 1965-1971. With increased uniformed patrol between 8 p.m. and 4 a.m., the number of felonies decreased both during the hours of increased manning (a deterrent effect) and during the rest of the day (a phantom effect). Displacement of crime is analyzed via the relationship between subway and bus robberies.

DESCRIPTORS: \*Criminology, \*Mass transportation, \*Police, \*New York, Urban areas, Problem solving, Correlation techniques, Planning, Efficiency, Reviews

IDENTIFIERS: \*Crime prevention, \*Crime reduction, Robberies, High crime rate areas, Subway railways, \*New York City (New York), NTISDODSD

AD-786 863/1ST NTIS Prices: PC\$4.25/MF\$2.25

Policing Inter-Community Mass Transit Systems: Proposed Legislation for Chicago with a Consideration of Other Cities

Illinois Univ., Chicago. Coll. of Engineering.\*Illinois Univ., Chicago. Dept. of Criminal Justice.\*Urban Mass Transportation Administration, Washington, D.C.

Research rept. (Final)

AUTHOR: Wallace, P. S., Buren, R. M.

C3625C4 PLD: 5K, 91C, 91B USGRDR7424

Mar 74 62p

REPT NO: RR-7

PROJECT: UMTA-IL-0024

MONITOR: UMTA-IL-11-0024-74-1

Prepared in cooperation with Illinois Univ., Chicago, Dept. of Criminal Justice.

ABSTRACT: The purpose of the report is to present model legislation that will require inter-community mass transit systems to be responsible for the safety of their passengers while using transit facilities. An effort is made to show why this legislation is necessary and how it is a solution to the present problem of high crime and low passenger safety on selected mass transit systems. In metropolitan Chicago, Illinois, as a selected example, the recent history is given (1967-1972) of the rise in transit crime and the apparently police response. The effects of the present multi-community policing are stated and explained. Some brief concluding remarks are presented.

DESCRIPTORS: \*Crime reduction, \*Transportation problems, \*Mass transportation, Legislation, Recommendations, Illinois, Police, Urban transit systems, Municipalities, Reviews, Ohio, Canada

IDENTIFIERS: \*Chicago (Illinois), \*Cleveland (Ohio), Toronto (Canada), Proposed legislation, NTISDOTUMT

PB-235 677/2SL NTIS Prices: PC\$4.25/MF\$2.25

An Evaluation of Youth Programs Conducted by the National Conference of Christians and Jews

Kramer (Leo), Inc., Washington, D.C.\*Social and Rehabilitation Service, Washington, D.C.

C3624K4 FLD: 5K, 92C USGRDR7424

Jan 72 52p

MONITOR: 18

ABSTRACT: The final evaluation of four youth programs conducted by the National Conference of Christians and Jews, National Capital Area, is intended to describe and analyze the progress made in these programs since the last full year evaluation. The report suggests directions that might be explored by NCCJ as it strives to build upon the experiences gained over the past three years. The programs are: Student leaders and administrators program; career exposure program; dig-it; police-youth relations program. Funded by the United States Department of Health, Education and Welfare, the programs are fundamentally designed to build bridges between the disadvantaged youths of the area and other elements of the broader community with which they will come into contact as they grow into adulthood.

DESCRIPTORS: \*Project planning, \*Schools, \*Police, \*Students, Evaluation, Social communication, Drama, Community relations, Race relations, Virginia, Maryland, District of Columbia

IDENTIFIERS: Fairfax County (Virginia), Alexandria (Virginia), Prince Georges County (Maryland), NTISHEWSRS

PB-235 578/2SL NTIS Prices: PC\$4.25/MF\$2.25

Computer Program Descriptions for the Equipment Management Module  
Design Specification

Charlotte, N.C. USAC Project.\*Department of Housing and Urban  
Development, Washington, D.C.

Initial task completion rept.

C3501H4 FLD: 13B, 9B, 70C\*, 62B\*, 91G\* USGRDR7422

Apr 74 431p\*

REPT NO: USAC-CNCO-0152, MIS-4302/010/01

CONTRACT: HUD-H-1216

MONITOR: 18

See also PB-234 991.

ABSTRACT: The report is from a USAC series produced by the city of  
Charlotte, covering activities from systems analysis through  
implementation and evaluation of urban information systems. These  
computer program descriptions provide detailed technical information  
on the design, development and verification testing of the IMIS  
computer programs which support the Equipment Management Module Design  
Specification, (MIS-3301/010) by modifying and updating the data base  
and producing the reports and schedules necessary for the efficient  
operation of the Public Works, Police, Fire, Accounting and Purchasing  
Departments. Twenty-eight of the thirty-two COBOL programs are  
communications-oriented and operate interactively. The remaining four  
programs operate in a batch mode.

DESCRIPTORS: \*Local government, \*Management information systems,  
\*Equipment, \*Computer programs, Public works projects, Police, Fire  
departments, Accounting, Purchasing, North Carolina, Logistics  
management

IDENTIFIERS: \*Integrated municipal information systems, USAC project,  
\*Charlotte(North Carolina), NTISHUDSAC

PB-234 990/0 NTIS Prices: PC\$9.00/MP\$2.25



Radio-Retransmission System

Army Land Warfare Lab Aberdeen Proving Ground Md (038950)

Final rept.

AUTHOR: Peirce, Stanley D.

C3444A3 FLD: 17B, 45C, 91D USGRDR7422

Jun 74 23p

REPT NO: LWL-TR-74-88

PROJECT: LWL-03-E-73

MONITOR: 18

ABSTRACT: Two commercial radio retransmission devices were tested and evaluated for use by Military Police in CONUS. It was shown that such systems provide a useful and needed capability which permits MP's to remain in radio contact with their headquarters and other MP patrols without need to remain at their vehicle radios. (Author)

DESCRIPTORS: \*Radio relay systems, \*Retransmission, Military police, Manportable equipment, Radio equipment, Mobile, Communication and radio systems

IDENTIFIERS: NTISDODA

AD-784 050/7 NTIS Prices: PC\$3.00/MF\$2.25

Into the Mainstream: Bridging the Gap Between Disadvantaged Youth and Other Youth in the Metropolitan Washington Area

National Conference of Christians and Jews, New York.\*Social and Rehabilitation Service, Washington, D.C.

Final rept.

AUTHOR: Kramer, Leo

C3435J2 FLD: 5K, 92C USGRDR7421

May 72 24p

GRANT: SRS-12-55082

MONITOR: SRS-12-55082-001

ABSTRACT: The report describes a project which devised workable programs to bridge the gap between youths who were behaviorally disordered because of economic and racial isolation and other youths in the metropolitan Washington area and to improve the general understanding of the problems faced by these disadvantaged youth. Through these programs, students developed greater self-confidence, became more aware of the resources in the community for their needs, and became more responsible and better prepared for postgraduation years.

DESCRIPTORS: \*Community relations, \*Students, \*Youths, \*Police, Ethnic groups, Central city, Cultural deprivation, Employment, Problem solving, Social communication, District of Columbia, Maryland, Virginia

IDENTIFIERS: \*Youth programs, NTISNEWSRS

PB-235 011/4 NTIS Prices: PC\$3.00/MF\$2.25

Equality of Distribution of Police Services. A Case Study of Washington, D.C

Urban Inst., Washington, D.C.

AUTHOR: Cloch, Peter B.

C3363D3 FLD: 5K, 91C\* USGRDR7420

1974 36p\*

REPT NO: URI-65000, ISBN-0-87766-113-8

PROJECT: UI-0712-12

MONITOR: 18

Sponsored in part by Ford Foundation.

ABSTRACT: The author develops a factual basis for comparing the equality of police service in two sections of the District of Columbia. One area, Anacostia, is largely black and poor; the second area, west of Rock Creek Park, is predominantly white and fairly affluent. Black residents of Anacostia charged in a court suit that they were receiving inferior police services. The many measures of comparison include property crime rates and trends, violent crimes rates (found to be higher in Anacostia), clearance rates (as indications of success in identifying and apprehending criminals), citizen satisfaction with police, service calls per officer, police per 100 robberies, police per 100 index crimes (as classified by the FBI), daily average police per 10,000 residents, daily average police per square mile, and number of service requests per police car.

DESCRIPTORS: \*Police, \*Law enforcement, Criminal investigations, Urban areas, Public opinion, Personnel management, District of Columbia, Services

IDENTIFIERS: Police action, NTISUIDC

PB-234 357/2 NTIS Prices: PC\$4.50/MF\$4.50

Evaluation of Operation Neighborhood

Urban Inst., Washington, D.C.

AUTHOR: Bloch, Peter B., Specht, David I.

C3292A4 FLD: 5I, 5K, 92C, 91C\* USGRDR7419

1973 157p\*

REPT NO: URI-26000, ISBN-0-87766-089-1

PROJECT: UI-4000-03

MONITOR: 18

ABSTRACT: Neighborhood team policing was introduced in New York City beginning in 1971. The evaluation occurred at a time when this decentralized form of policing had been implemented by over 10% of the city's police force. Included are a history of the program's origin and rapid expansion, data on patrolmen's attitudes, community reactions, reported crime statistics, arrest records, and vehicle dispatch data. The authors report favorably on the neighborhood team policing concept but caution that it is difficult to implement and is not a panacea that should be expected to produce great changes in just a couple of years. Recommendations for improvements are given.

DESCRIPTORS: \*Police, \*Neighborhoods, \*Community relations, \*Law enforcement, Performance evaluation, Manpower utilization, Experimentation, Public relations, Informal organization, New York

IDENTIFIERS: Neighborhood operation, New York City(New York), NTISUIDC

PB-234 249/1 NTIS Prices: PC\$7.00/MF\$7.00

Police Traffic Services Supervisor Instructor Training Institute

Dunlap and Associates, Inc., Darien, Conn. (118 620)

Final rept.

AUTHOR: Cleven, Arlene M.

C3221D1 FLD: 5I, 92A, 91C USGRDR7418

Apr 74 178p

CONTRACT: DOT-HS-099-3-760

MONITOR: DOT-HS-801-145

ABSTRACT: The purpose of the study was to expose key individuals to the NHTSA-developed curriculum materials for police traffic services supervisor and to teach them how to teach. The objective was accomplished through the conduct of five 30-hour instructor training institutes conducted in various areas of the country. Institutes were held in the fall of 1973. Teaching was shared by representatives of Dunlap and Associates, Inc., and educators from Central Connecticut State College. Various educational institutions throughout the United States served as host colleges for the institutes.

DESCRIPTORS: \*Instructors, \*Training, Learning, Police, Visual aids, Meetings

IDENTIFIERS: \*Teaching techniques, Instructional materials, NTISNHTSA

PB-233 813/5 NTIS Prices: PC\$5.50/MF\$1.45

Evaluation of Portable Breath Test Devices for Screening Suspected Drunken Drivers by Police in Hennepin County, Minnesota

Hennepin County Alcohol Safety Action Project, Minneapolis, Minn.

Final rept. Apr-Aug 73

AUTHOR: Rosen, Stuart D., Sielaff, ce H., Romslo, Floyd, Weckwerth, Vernon E., Lowery, Forst

C3221C1 PLD: 5K, 92C USGRDR7418

Jun 74 146p

CONTRACT: DOT-HS-048-1-064

MONITOR: DOT-HS-801-161

ABSTRACT: The report examines use in the field of portable breath test (PBT) devices by police in Hennepin County, Minnesota. Thirteen Borg-Warner J2 and J2A-200 'ALERT' devices were deployed by seven enforcement agencies. This report is presented in five parts. Part I provides police officials and administrators, public officials and others concerned with traffic safety an informal summary of information emerging from the PBT field evaluation. Part II is an analysis and discussion of data collected during the PBT field evaluation. Part III reports on maintenance and performance problems. The attitudes of officers, PBT calibrators, and supervisory personnel toward the PBT and the concept of pre-arrest screening are summarized in Part IV. Part V reports on an attempted controlled study which did not yield sufficient data.

DESCRIPTORS: \*Alcoholism, \*Analyzers, Driver performance measures, Test equipment, Minnesota

IDENTIFIERS: \*Breathalyzers, Blood alcohol levels, Hennepin County (Minnesota), NTISNHTSA

PB-233 808/5 NTIS Prices: PC\$4.75/MF\$1.45

LEAA Police Equipment Survey of 1972. Volume V. Handguns and Handgun Ammunition

National Bureau of Standards, Washington, D.C. Technical Analysis Div.  
(406 647)

Final rept. Jul 71-Aug 73

AUTHOR: Bergsman, S., Buntan, E., Klaus, P.

C3195H2 FLD: 19F, 19A, 5K, 79G, 91C\*, 86V USGRDR7418

1973 104p\*

REPT NO: NBSIR-73-214

PROJECT: NBS-4314517

MONITOR: 18

ABSTRACT: The report outlines the methodology used and summarizes a portion of the data obtained in the LEAA police equipment survey of 1972. One of a series of seven reports from a nationwide mail survey of a stratified random sample of police departments, it summarizes the answers of 445 police departments concerning their officers' use of handguns and handgun ammunition: on-duty and off-duty use, types and calibers in use, and problems encountered. The data are presented by departments and department types.

DESCRIPTORS: \*Police, \*Revolvers, \*Small arms ammunition, Equipment, Surveys, Questionnaires, Utilization, Classifications, Problem solving, Officer personnel

IDENTIFIERS: \*Police equipment, \*Handguns, \*Handgun ammunition, Calibers, NTISCOMNBS

COM-74-11239/2 NTIS Prices: PC\$4.50/MF\$1.45

Spanish Language Training for Policemen -- Lessons Learned During a First Attempt

New Mexico Univ., Albuquerque. Criminal Justice Program.

AUTHOR: Gonzales, Steven

C3135H1 FLD: 5I, 91C, 92A USGRDR7417

4 Mar 74 26p

REPT NO: CJP-74-02

CONTRACT: LEAA-73-NI-06-0002

MONITOR: 18

ABSTRACT: The report contains a description of a Spanish language training project for cadets and officers in the Albuquerque Police department and recommendations for similar projects. The purpose of the project was to improve communication between policemen and non-English speaking residents. Cadets were required to take an introductory class while officers volunteered for both the introductory class and the intermediate class. A total of thirty three cadets and sixty five officers enrolled. Thirteen cadets and thirty five officers finished the course with a grade of C or better. In a questionnaire completed by fewer than half of those who finished the course, thirteen said they had learned to converse in Spanish and ten said they had not. Twenty of those responding said the course would assist them in future relationships with Spanish speaking residents. (Modified author abstract)

DESCRIPTORS: \*Spanish language, \*Personnel development, Police, Education, Evaluation

IDENTIFIERS: Second language learning, NTISLEAA

PB-232 963/9 NTIS Prices: PC\$3.25/MF\$1.45



Santa Clara County Pretrial Release Program. Pretrial Release Program  
in an Urban Area

Santa Clara County Pretrial Release Program, San Jose, Calif.

Final rept.

C3133J1 FLD: 5D, 92D, 91C USGRDR7417

1973 127p

GRANT: LEAA-71-DP-701

MONITOR: 18

ABSTRACT: The one-year project was designed to release quickly from pretrial custody, in lieu of bail, all persons who promise to appear in court and have characteristics which indicate a high probability of appearing on their own recognizance. The final report is organized into three 'stand-alone' sections, all designed to promote technology transfer and dissemination of results and program methods. Section I contains a brief description of the program, a short summary of results, and comment on the demonstration by the Director of the project. Section II contains the complete report of the independent evaluator of the program. This evaluation shows that the program, in addition to furthering the interest of justice, has resulted in considerable savings to both the accused and the community. Significantly, Santa Clara County has fully supported program financing in its second and third years of operation; and the program has served as a model for other jurisdictions. Section III contains a complete manual of procedures for the program. (Modified author abstract)

DESCRIPTORS: \*Judicial review, \*Criminal investigations, Bonds, Police, Courts, Law enforcement

IDENTIFIERS: Arrest to court disposition processes, Felonies, Misdemeanors, Parole systems, Bail bond system, NTISLEAA

PB-232 426/7 NTIS Prices: PC\$9.50/MF\$1.45

Factors Influencing Alcohol Safety Action Project Police Officer's DWI  
(Driving While Intoxicated) Arrests

Young (Authur) and Co., Washington, D.C.

Final rept.

C3023K4 FLD: 5J, 92C USGRDR7415

Jun 74 144p

CONTRACT: DOT-HS-123-3-774

MONITOR: DOT-HS-801-151

ABSTRACT: The report summarizes the results of a study to determine the factors influencing ASAP police officers' DWI arrests and the formulation of approaches to minimize the influence of those factors which might tend to constrain the arrest of persons who appear to be driving under the influence of alcohol and augment those factors which might support a decision to arrest. The study was carried out during a series of 16 visits to selected ASAP sites. During the visits, officers and supervisors were interviewed in-depth while performing their duties to determine what factors impacted on their DWI arrest decisions. Verification interviews were held with local court personnel, police administration ASAP staff and others to develop input parameters for programs to improve officer performance. This survey was followed by the development of recommendations designed to address the factors identified during the site visits.

DESCRIPTORS: \*Police, \*Attitudes, \*Motivation, Alcoholism, Law enforcement, Surveys

IDENTIFIERS: \*Police motorist contacts, Alcohol safety action projects, Drunk driving, NTISNHTSA

PB-232 538/9 NTIS Prices: PC\$4.75/MF\$1.45

Expenditure and Employment Data for the Criminal Justice System,  
1971-72

National Criminal Justice Information and Statics Service, Washington,  
D.C. Statistics Div.

C3015C3 FLD: 5K, 91C\*, 70F\* USGRDR7415

Jan 74 343p\*

REPT NO: SD-EE-4

MONITOR: 18

Prepared in cooperation with Bureau of the Census, Washington, D.C.  
Report no. GSS-66. See also PB-232 321. Library of Congress Catalog  
Card No. 71-609542.

Paper copy also available from GPO \$3.05 as stock no. SN 2700-00239.

ABSTRACT: The publication is the sixth in a series of annual reports which present public expenditure and employment data on criminal justice activities in the United States. In this report, expenditure data cover the fiscal year 1971-72 and employment data refer to the month of October 1972. Specific data are supplied for the Federal Government, the 50 state governments, and the aggregate of the local levels of government within each state. The tables are divided into major parts--a summary showing the interrelationship of the various sectors of the system, and six Sector sections, providing a breakdown of data on particular criminal justice activities.

DESCRIPTORS: \*Criminal justice, \*Government expenditures, \*Government employment, Federal expenditures, State government, Local government, Police, Courts, Correctional institutions, Financing, Services, Personnel costs

IDENTIFIERS: Judicial system, Legal services, Prosecution, Indigent defense, NTISLEAA

PB-232 322/8 NTIS Prices: PC\$5.55/MF\$1.45

Directory of Law Enforcement Education and Training Programs in the Metropolitan Washington Area

Metropolitan Washington Council of Governments, D.C.

Final rept.

C3012K3 FLD: 5D, 91C, 92C, 92A USGRDR7415

Apr 74 129p

GRANT: LEAA-71-P-211

MONITOR: 18

ABSTRACT: The Directory contains a listing and description of all known locally available academic degree and training programs in law enforcement and criminal justice. The emphasis of the Directory is three-fold: (1) advance degree programs and courses for which academic credit can be earned; (2) LEAA training grants awarded by the state planning agencies in Maryland, the District of Columbia, and Virginia; and (3) other training programs conducted in the Metropolitan Washington Area. Hence, the Directory identifies academic and specialized training programs readily available to law enforcement and criminal justice practitioners who desire professional advancement and/or improved job performance. The programs described are directed toward personnel in such areas as police, probation and parole, courts, corrections, and criminal justice planning.

DESCRIPTORS: \*Specialized training, \*Law enforcement, \*Criminal justice, \*Directories, Training programs, Police, Probation, Courts, Correctional institutions, Planning, Information systems

IDENTIFIERS: Academic degree courses, Parole systems, NTISMWCG

PB-232 171/9 NTIS Prices: PC\$4.75/MF\$1.45

LEAA Police Equipment Survey of 1972. Volume VII. Patrolcars

National Bureau of Standards, Washington, D.C. Technical Analysis Div.  
(406 647)

Final rept. Aug 71-Aug 73

AUTHOR: Buntten, E., Klaus, P.

C3003G4 FLD: 5K, 13F, 91C, 85B, 86V USGRDR7415

Jul 73 148p\*

REPT NO: NBSIR-73-216

PROJECT: NBS-4314517

MONITOR: 18

See also Volume 6, COM-74-11010.

ABSTRACT: The report outlines the methodology of and summarizes a portion of the data from the LEAA Police Equipment Survey of 1972. One of a series of seven reports, it summarizes the answers of 449 police departments concerning their patrolcars: Purchasing practices; types of options and accessories usually selected; types of equipment stored in the patrolcar; typical patterns of use; and needs for standards for systems or aspects of patrolcars. The data are presented by all responding departments and by seven department types.

DESCRIPTORS: \*Police vehicles, \*Facilities management, Surveys, Questionnaires, Mail canvasses, Urban areas, Purchasing, Methodologies, Accessories, Equipment, Utilization characteristics, Standards, Requirements, Classifications, Information systems

IDENTIFIERS: \*Police equipment, Patrol cars, NTISNBS

COM-74-11011/5 NTIS Prices: PC\$4.75/MP\$1.45

LEAA Polic Equipment Survey of 1972. Volume VI. Body Armor and  
Confiscated Weapons

National Bureau of Standards, Washington, D.C. Technical Analysis Div.  
(406 647)

Final rept. Aug 71-Oct 73

AUTHOR: Hare, G., Buntan, E., Klaus, P.

C3003G3 FLD: 5K, 91C, 86V USGRDR7415

Oct 73 102p\*

REPT NO: NBSIR-73-215

PROJECT: NBS-4314517

MONITOR: 18

See also Volume 3, COM-74-11009.

ABSTRACT: The report outlines the methodology of and summarizes a portion of the data from the LEAA Police Equipment Survey of 1972. One of a series of seven reports resulting from a nationwide mail survey of a stratified random sample of police departments, it summarizes the answers of 440 police departments concerning body armor and confiscated weapons: Preference for hidden or visible body armor; use of other ballistic protective equipment; routine operations where body armor would be most useful; current problems and failures with present equipment; needs for standards for the testing and assessment of penetration capabilities of body armor; disposition of confiscated weapons. The data are presented by all responding departments and by seven department types.

DESCRIPTORS: \*Police, \*Body armor, \*Weapons, Surveys, Questionnaires, Mail canvasses, Protection, Data acquisition, Classification, Gunshot wounds, Statistical data

IDENTIFIERS: \*Police equipment, Confiscated weapons, NTISNBS

COM-74-11010/7 NTIS Prices: PC\$4.50/MF\$1.45

LEAA Police Equipment Survey of 1972. Volume III. Sirens and Emergency Warning Lights

National Bureau of Standards, Washington, D.C. Technical Analysis Div.  
(406 647)

Final rept. Jul 71-Sep 73

AUTHOR: CKlaus, P., Buntten, E.

C3003G2 FLD: 5K, 13F, 91C, 85B, 86V USGRDR7415

Sep 73 146p\*

REPT NO: NBSIR-73-212

PROJECT: NBS-4314517

MONITOR: 18

See also Volume 2, COM-74-10950.

ABSTRACT: The report outlines the methodology of and summarizes a portion of the data from the LEAA Police Equipment Survey of 1972. One of a series of seven reports resulting from this nationwide mail survey of a stratified random sample of police departments, the present report summarizes the answers of 437 police departments concerning their sirens and emergency warning lights: use of sirens and lights; experience with most commonly used electronic sirens, electromechanical sirens, and emergency warning lights; purchasing, repair and replacement of this equipment; and training of officers in use of this equipment. The data are presented by all responding departments and by seven department types.

DESCRIPTORS: \*Police vehicles, \*Sirens, \*Warning systems, \*Lighting equipment, Surveys, Police, Questionnaires, Mail canvasses, Basic training, Classifications, Data acquisition, Methodology

IDENTIFIERS: \*Warning lights, \*Police equipment, NTISNBS

COM-74-11009/9 NTIS Prices: PCS\$4.75/NFS\$1.45

Computerized Scheduling of Police Manpower. Volume II. Evaluations and Program User's Manual

Saint Louis Police Dept., Mo.

AUTHOR: Heller, Nelson B., McEwen, J. Thomas, Stenzel, William W.

C2945I4 FLD: 5I, 70D, 91C USGRDR7414

1973 109p\*

CONTRACT: LEAA-NI-72-018G

MONITOR: 18

See also PB-232 071.

ABSTRACT: Appendixes are presented to a report on a project to develop computerized techniques for constructing police work schedules. Appendix A evaluates attainment of major objectives in a St. Louis, Missouri, project, with a discussion of the extent to which some of the procedure proposed for use both in meeting these objectives and in securing police department acceptance and understanding were successful. Appendix B is a program user's manual describing how to use each of the three programs that were developed during the project. It indicates the formats for input data and discusses the limitations and constraints applicable to each program. (Modified author abstract)

DESCRIPTORS: \*Police, \*Manpower utilization, \*Computer programming, \*Manuals, Scheduling, Working time, Allocations, Personnel management, Evaluation, Systems management, Missouri

IDENTIFIERS: \*Job scheduling, \*Saint Louis(Missouri), NTISLEAA

PB-232 072/9 NTIS Prices: PC\$4.50/MF\$1.45



Effective Police Organization and Management. Volume 6. Reports and Records

California State Coll., Los Angeles. (071 720)

Final rept.

AUTHOR: Gourley, G. Douglas  
C1265L2 FLD: 5I USGRDR7316

Oct 66 213p

GRANT: LEAA-017

MONITOR: 18

See also PB-220 803.

ABSTRACT: Police reports and records, the report review concept, the inspections concept, and internal investigation concept are discussed in this volume. A listing of services that records systems can offer the police manager is presented with types and mechanics of recording information. Appendices contain sample police forms from various departments. Methods of analyzing the quality of police services are discussed. In the inspection concept, line and staff inspections are described with their organization and objectives. The internal investigation division, methods of internal investigation, and recommendations are presented.

IDENTIFIERS: LEAA

PB-220 802/3 NTIS Prices: PC\$12.75/NFS\$0.95

Effective Police Organization and Management. Volume 8. Operations  
Research and Management Science

California State Coll. Los Angeles. (071 720)

Final rept.

AUTHOR: Gourley, G. Douglas

C1265L4 FLD: 5I USGRDR7316

Oct 66 190p

CONTRACT: LEAA-017

MONITOR: 18

See also PB-220 797. Previously announced as PB-209 364.

ABSTRACT: A survey of available literature is conducted to acquire information on possible applications of new technological developments to the field of law enforcement. Suggestions are presented to stimulate police administrators in this development and methods of implementing the new technology are explored.

IDENTIFIERS: LEAA

PB-220 804/9 NTIS Prices: PC\$11.50/MF\$0.95

Computerized Scheduling of Police Manpower. Volume I. Methods and Conclusions

Saint Louis Police Dept., Mo.

AUTHOR: Heller, Nelson B., McEwen, J. Thomas, Stenzel, William W.

C2945I3 PLD: 5I, 70D\*, 91C\* USGRDR7414

Mar 73 154p\*

CONTRACT: LEAA-NI-72-018G

MONITOR: 18

See also PB-232 072.

ABSTRACT: Methods and conclusions of a project to develop computerized techniques for constructing work schedules for police officers are presented. The design of a police work schedule involves (1) determination of the appropriate manning levels for each watch and day of work, (2) construction of suitable sequences of watch assignments and of days worked and days off for each officer, and (3) development of procedures for dealing with common problems of schedule administration, should they arise at any time after the schedule is implemented. The project developed a set of computer programs to perform the first two stages of the design procedure, and simple manual procedures for the third. The programs were tested by using them to design schedules for the St. Louis Metropolitan Police Department.

DESCRIPTORS: \*Police, \*Manpower utilization, \*Computer programming, Project management, Working time, Scheduling, Administrative guidelines, Personnel management, Missouri

IDENTIFIERS: \*Job scheduling, \*Saint Louis(Missouri), NTISLEAA

PB-232 071/1 NTIS Prices: PC\$5.00/MF\$1.45

Semiautomatic Speaker Recognition Systems

Stanford Research Inst., Menlo Park, Calif. (332 500)

AUTHOR: Becker, R. W., Clarke, F. R., Young, J. R.

C2944E1 FLD: 17B, 5K, 91C\* USGRDR7414

Oct 73 145p\*

GRANT: LEAA-NI-71-078-G

MONITOR: 18

ABSTRACT: Stanford Research Institute (SRI) modified a previously designed computer-aided speech analysis system and evaluated its applicability to speaker identification. The results indicate that spoken words from the same speaker or from different speakers can be detected with a high degree of reliability where the reliability is a function of the degree of feature matching prescribed by the operator. The prototype system is faster and requires much lower operator skill levels than methods using visual comparisons of spectrograms. This project has shown that a semiautomatic system is a possible approach to the speaker recognition problem.

DESCRIPTORS: \*Speech recognition, \*Speech, \*Identification systems, Criminology, Research, Voice communication, Police, Evaluation, Waveforms, Computer programming

IDENTIFIERS: Voiceprints, NTISLEAA

PB-232 001/8 NTIS Prices: PC\$4.75/NF\$1.45

LEAA Police Equipment Survey of 1972. Volume II. Communications  
Equipment and Supplies

National Bureau of Standards, Washington, D.C. Technical Analysis Div.  
(406 647)

Final rept. Jul 71-Jul 73

AUTHOR: Mumford, S., Klaus, P., Bunten, E., Cunitz, R.  
C2932L1 FLD: 5K, 17B, 91C\*, 91D, 86V USGRDR7414  
1973 166p\*

REPT NO: NBSIR-73-211

PROJECT: NBS-4314517

MONITOR: 18

ABSTRACT: The report outlines the methodology of and summarizes a portion of the data from the LEAA Police Equipment Survey of 1972. One of a series of seven reports resulting from this nationwide mail survey of a stratified random sample of police departments, the present report summarizes the answers of 428 police departments concerning their communications equipment and supplies: Use of mobile radios and portable radios; power supplies for portable radios; scramblers; portable/mobile radios; helmets with built-in communications; and needs for standards and problems associated with communications equipment and supplies. The data are presented by all responding departments and by seven department types.

DESCRIPTORS: \*Police, \*Communication equipment, Radio equipment, Helmets, Portable equipment, Mobility, Standards, Power supplies

IDENTIFIERS: NTISNBS

COM-74-10950/5 NTIS Prices: PC\$5.00/NF\$1.45

Combating Felonious Crimes by Citizen Involvement: Evaluation

INTASA, Menlo Park, Calif. (406 193)

Final rept.

C2881J3 PLD: 5K, 91C USGRDR7413

Sep 72 98p

REPT NO: IRP-71-01

GRANT: LEAA-72-NI-09-0001

MONITOR: 18

Prepared in cooperation with San Jose Police Dept., Calif.

ABSTRACT: Evaluation is presented of a 1971 San Jose project to reduce the incidence of burglary, robbery, auto theft, and rape, and to involve citizens in preventing and reporting crimes. The general conclusion of the evaluator was that there is no statistical evidence that the overall objectives of reducing the incidence of residential burglary, commercial robbery, rape, and auto theft were achieved, perhaps because the program was too limited in scope. It is felt that the only intermediate objectives achieved were improving the quality of reporting and increasing citizen intervention. Both of these results apply only to residential burglary. The San Jose Police Department officers suggested a robbery reduction with more hard prevention and reporting devices such as cameras and alarms. It was felt that increased manpower, and multi-activity anti-crime programs involving both the police and the community were essential for combating crime.

DESCRIPTORS: \*Criminology, \*Crimes, Prevention, Police, Community relations, California, Project management, Warning devices

IDENTIFIERS: San Jose(California), Rape, Robberies, Burglaries, Theft, LEAA

PB-231 595/0 NTIS Prices: PC\$8.00/MF\$1.45

Investigation of Digital Mobile Radio Communications

Massachusetts Inst. of Tech., Cambridge. Electronic Systems Lab. (127 200)

AUTHOR: Kelly, Thomas C., Ward, John E.  
C2822B1 PLD: 17B, 45C\*, 91D USGRDR7412  
Oct 73 141p\*  
REPT NO: ESL-R-493  
GRANT: LEAA-NI-71-129-G  
MONITOR: 18

ABSTRACT: Much of the report is devoted to description and analysis of the two major problems of the radio channel - multipath fading and ambient impulsive noise - and their relative effects on error rates for various types of data modulation. It is concluded that multi-path fading is the dominant limitation and that both space and frequency diversity transmission should be investigated as a means of combatting its effects and improving the reliability of high-speed data transmission. A data rate of 2,000-2,400 words per minute is suggested as a reasonable goal for law enforcement digital communications, both to speed up call-response cycles and increase channel capacity as compared to voice transmission. Other topics discussed are coding for error detection and correction, operational and spectrum utilization issues, the role of portables in a digital world, and economic factors. Information and viewpoints gained in discussions with equipment manufacturers and police departments and a glossary of terms are contained in several appendices. (Modified author abstract)

DESCRIPTORS: \*Data transmission, Digital techniques, Pulse communication, Data links, Mobile equipment, Radio equipment, Radio communication, Police, Fading, Multipath transmission, Coding, Radio transmission

IDENTIFIERS: LEAA

PB-231 329/4 NTIS Prices: PC\$4.75/MF\$1.45

Police Family Crisis Intervention and Conflict Management. An Action Research Analysis

City Univ. of New York. (387 791)

AUTHOR: Bard, Morton

C2723H2 FLD: 5J, 5K, 91C, 92C USGRDR7411

Apr 72 231p

CONTRACT: LEAA-NI-70-068

MONITOR: 18

ABSTRACT: A study is presented of two methods of resolving personal and family disputes by police in low income housing projects and by precinct crisis intervention units. In addition to the analysis of the variables that make for disputes in which police are called upon to intervene, the study addressed itself to an examination of general police performance of conflict management trained officers, attitudes of the community toward the police where conflict management trained officers were operating, the effects of training upon the police and their function, and, the relationship of the trainees to their training consultants.

DESCRIPTORS: \*Police, \*Family relations, Conflict, Community relations, Education, Attitudes

IDENTIFIERS: \*Crisis intervention, LEAA

PB-230 973/0 NTIS Prices: PC\$4.75/NF\$1.45



Training Police as Specialists in Family Crisis Intervention

City Univ. of New York. (387 791)

AUTHOR: Bard, Morton

C2722I4 FLD: 5I, 92A\*, 91C USGRDR7411

May 70 73p\*

GRANT: LEAA-157

MONITOR: LEAA-NI-70-1

Paper copy also available from GPO \$1.05 as stock.

ABSTRACT: This training was intended to demonstrate innovative methods of crime prevention and preventive mental health. The project attempted to modify family assaults and family homicides and to reduce personal danger to police officers in such situations. Assuming that family conflict may be an early sign of emotional disorder in one or all of the participants, the project attempted to utilize policemen as front-line casefinders in keeping with theories of primary prevention. It was proposed that selected policemen could be provided with interpersonal skills necessary to effect constructive outcomes in deteriorating situations which require police intervention. The program avoided the conversion of policemen into social workers or psychotherapists. The officers were expected to perform all generalized police patrol functions but were the individuals dispatched on all family disputes in a given geographical area. In addition to continuous group experience, each family specialist was assigned an individual consultant for at least one hour weekly consultation. The individual consultants were advanced clinical psychology students.

DESCRIPTORS: \*Family relations, \*Police, \*Specialized training, Behavior, Community relations, Counseling, Crimes, Emotions, Mental hygiene

IDENTIFIERS: \*Crisis intervention, LEAA

PB-230 758/5 NTIS Prices: PC\$3.05/MF\$1.45

Improving Police/Community Relations - Prescriptive Package

Massachusetts Governor's Committee on Law Enforcement and Criminal Justice, Boston.

AUTHOR: Wasserman, Robert, Gardner, Michael, Cohen, Alana S.

C2714K3 PLD: 5K, 91C\*, 92C\* USGRDR7411

Jun 73 123p\*

GRANT: LEAA-72-DF-01-0028

MONITOR: 18

ABSTRACT: The handbook is one of a series of prescriptive packages intended to provide criminal justice administrators with both background information and operational guidelines in selected program areas. The report represents an effort to identify various police operational and organizational practices specifically aimed at the improvement of police-community relations. Through site visits, personal interviews and a survey of the available literature, the author became acquainted with various innovative programs aimed at improving police-community relations. The general strategy recommended emphasizes the need for stressing improved community relations in all major police activities.

DESCRIPTORS: \*Police, \*Community relations, Project planning, Handbooks, Improvement, Methodology, Sociopsychological surveys, Interviews, Reviews, Policies, Attitudes, Management methods, Recommendations

IDENTIFIERS: Conflict resolution, Innovations, LEAA

PB-230 303/0 NTIS Prices: PC\$4.50/NF\$1.45

1972 Directory of Automated Criminal Justice Information Systems

National Association for State Information Systems, Lexington, Ky.

C2711G2 FLD: 5K, 5B, 70C, 91C, 92C USGRDR7411

Dec 72 1058p

GRANT: LEAA-72-SS-99-3000

MONITOR: 18

ABSTRACT: The directory contains an indexed listing of the automated criminal justice information systems used by police, courts, corrections and other agencies. Each listing briefly describes systems which are operational or being developed, who is doing the work and the current status of the systems. Approximately 454 separately defined systems are represented. The directory will aid people working with criminal justice information systems to establish communications with each other. It is set up to identify and describe all of the specific criminal justice functions being served by various information systems. Hardware and software information, general financial data and other information about each system are included. The names of contacts who can provide more information are listed for each system.

DESCRIPTORS: \*Directories, \*Information systems, \*law enforcement, Police, Management systems

IDENTIFIERS: \*Criminal justice, Courts of law, Correctional institutions, Theft, LEAA

PB-229 878/4 NTIS Prices: PC\$53.00/MF\$1.45

Alternative Programs: A Grapevine Survey

National Council on Crime and Delinquency, Davis, Calif. Research Center.

AUTHOR: Knowles, Charmian D.

C2705J2 FLD: 5K, 5D, 91C, 92C\* USGRDR7411

Mar 73 75p\*

CONTRACT: BNDD-73-8

MONITOR: 18

ABSTRACT: The initial contacts for this survey were drawn from among the participants in the First Alternatives to Drug Abuse Conference. They were asked to recommend exemplary programs in the areas of education, criminal justice, and community involvement which held promise for success in preventing or treating drug abuse. Subsequent referrals, in conjunction with a literature search, produced a consensus concerning the most successful programs. Those programs are cited in this booklet, under general headings, with a brief description, the program address, and the name of a person to contact for information. The programs all share the common objectives of building a better home life, creating a more stimulating school environment, and providing a community with ample opportunities for recreation and youth employment.

DESCRIPTORS: \*Community relations, \*Education, Treatment, Drugs, Juvenile delinquents, Employment, Police, Counseling, Recreation

IDENTIFIERS: \*Drug abuse, \*Criminal justice, BNDD

PB-229 728/1 NTIS Prices: PC\$3.75/MF\$1.45

Comprehensive Plan, 1974. Volume 2

Maryland Governor's Commission on Law Enforcement and the Administration of Justice.

Criminal justice rept.

C2705F3 FLD: 5K, 91C USGRDR7411

1 Jan 74 438p

GRANT: LEAA-74-P-424

MONITOR: LEAA-MD-74-007

See also PB-228 779.

ABSTRACT: The Plan is intended to form the basis for improvements in both the adult and juvenile justice system. It has been designed to place emphasis on reducing crime and improving the operation of the system. The Commission's long range projections for improvements are outlined. The five-year funding objectives and their priorities are presented. Allocation of grant funds is presented with a description of the annual action grants program for 1974. The Commission's multi-year funding program and its anticipated accomplishments are described. The progress of programs funded between 1969 and 1973 is discussed in conjunction with plans for evaluating each.

DESCRIPTORS: \*Law enforcement, \*Criminology, Police, Grants, Juvenile delinquency, Project planning, Project management, Financing

IDENTIFIERS: Correctional institutions, Criminal justice, Courts of law, LEAA

PB-229 612/7 NTIS Prices: PC\$9.00/MF\$1.45

Police - Report of the National Advisory Commission on Criminal  
Justice Standards and Goals, 1973

National Advisory Commission on Criminal Justice Standards and Goals,  
Washington, D.C.

C2642A1 PLD: 5K, 91C USGRDR7410

23 Jan 73 681p

GRANT: LEAA-72-DP-99-0002

MONITOR: 18

**ABSTRACT:** Suggestions for improvements in police functions are presented in the areas of working with the community, planning and organization, technology and support services, fiscal management, and coordination with other criminal justice agencies. Before implementing any of the changes advocated, police departments are advised to detail the legal limits of police authority and develop guidelines for the exercise of that authority. In order to improve cooperation between the police and the community it is suggested that police agencies establish a specialized unity for maintaining communication with citizens. Each police department should encourage and participate in neighborhood security programs and establish procedures to facilitate processing of complaints. Suggestions for more effective utilization of manpower include continued consolidation, stricter personnel requirements, increased employee benefits, and the employment of more women, minorities, and civilians in police work.

**DESCRIPTORS:** \*Police, \*Law enforcement, Standards, Objectives, Community relations, Project planning, Project management, Recruiting, Education, Salaries, Information systems

**IDENTIFIERS:** Criminal justice, LEAA

PB-230 029/1 NTIS Prices: PC\$37.25/NF\$1.45

College of William and Mary Metropolitan Criminal Justice Center.  
Pilot City Project

College of William and Mary, Williamsburg, Va. Metropolitan Criminal  
Justice Center.

Final rept. 8 Sep 71-7 May 73.

C2562K3 FLD: 5K, 91C USGRDR7409

7 May 73 77p

GRANT: LEAA-NI-72-005-G

MONITOR: 18

ABSTRACT: Steps taken to meet principal tasks during the first twenty months of a projected five year pilot city program included the development of baseline data and identification of the needs of the system. Research projects concerned such issues as probation, delinquency probation, and family intervention. Plans were also set forth for a juvenile justice information system. Additional material in this document describes proposals for five demonstration projects. These include a youth service unit for the Chesapeake Police Department, a volunteer program for the Portsmouth juvenile and domestic relations court, and a juvenile based transactions statistics information system for Norfolk and Chesapeake. The final application for funding proposes a model probation services program for the Norfolk juvenile and domestic relations court.

DESCRIPTORS: \*Law enforcement, \*Information systems, Crimes, Law enforcement, Juvenile delinquency, Virginia, Police

IDENTIFIERS: \*Criminal justice, Courts of law, LEAA

PB-229 414/8 NTIS Prices: PC\$7.00/MF\$1.45

College of William and Mary. Metropolitan Criminal Justice Center

College of William and Mary, Williamsburg, Va. Metropolitan Criminal Justice Center.

Interim rept.

C2562K2      PLD: 5K, 91C      USGRDR7409

9 Oct 73      37p

MONITOR: 18

ABSTRACT: Demonstration projects, research, technical assistance and other pilot city program activities in Chesapeake, Norfolk, Portsmouth, and Virginia Beach, Virginia are described. Demonstration projects such as the following are discussed -- the Chesapeake Police Youth Services Unit, the Norfolk model probation services, the Norfolk Police Planning and Analysis office, and the Portsmouth juvenile court specialized services-behavior modification project. Research and technical assistance activities described include redesigning the Norfolk Police Beat structure, the Chesapeake comprehensive youth development program, COPPS -- a computer oriented police planning system, a criminal justice attitude and victimization survey, and the Virginia Beach Model Juvenile Bureau.

DESCRIPTORS: \*Law enforcement, \*Information systems, Crimes, Law enforcement, Juvenile delinquency, Virginia, Police

IDENTIFIERS: \*Criminal justice, Courts of law, LEAA

PB-229 413/0      NTIS Prices: PC\$5.00/MF\$1.45



Alert II. A Criminal Justice Information System

Kansas City Police Dept., Mo.  
C2552L2 FLD: 5D, 5B, 91C\* USGRDR7409  
1974 21p\*  
MONITOR: 18

ABSTRACT: The booklet briefly describes Alert II - a regional criminal justice information system designed and operated by the Kansas City, Missouri Police Department. The overall system is made up of subsystems that can be grouped into the three areas of law enforcement, adjudications, and corrections. The Law enforcement subsystem provides users with information pertaining to wanted persons and autos, as well as warning information on potentially dangerous individuals. Court personnel can request information which will expedite the workload of the court and aid in decision making. The probation department on-line system furnishes case status information and allows for entry of pre-sentence recommendations to judges.

DESCRIPTORS: \*Information systems, \*Law enforcement, \*Criminal justice, Police, Criminal investigations, Courts, Local government, Public administration, Missouri

IDENTIFIERS: ALERT 2 information system, Kansas City (Missouri), LEAA

PB-228 881/9 NTIS Prices: PC\$3.00/NF\$1.45

Guidelines for Developing an Injury and Damage Reduction Program in  
Municipal Police Departments

National Safety Council, Chicago, Ill.

C2552L1 FLD: 5I, 91C\* USGRDR7409

Apr 73 130p\*

CONTRACT: LEAA-NI-70-058

MONITOR: 18

Paper copy alsoavailable from GPO \$2.10 as stock no. 2700-00177.

ABSTRACT: The manual presents methods, procedures and programs for planning, organizing, managing and operating an Injury and Damage Reduction (IDR) function in a municipal police department. A recommended IDR records system is presented and described as are complete programs for training and inspection.

DESCRIPTORS: \*Police, \*Personnel management, Injuries, Damage, Reduction, Accidents, Standards, Education, Planning

IDENTIFIERS: LEAA

PB-228 880/1 NTIS Prices: PC\$4.75/MF\$1.45

Comprehensive Plan 1974. Volume I

Maryland Governor's Commission on Law Enforcement and the Administration of Justice.

C2551L1 PLD: 5K, 91C, 92C USGRDR7409

1 Jan 74 433p

MONITOR: LEAA-MD-74-006

ABSTRACT: The reported plan is intended to form the basis for improvements in both the adult and juvenile justice system. It has been designed to place emphasis on reducing crime and improving the operations of the system. The methods employed for collecting and analyzing data, the setting of objectives and priorities, and the development of the annual action and multi-year plans are discussed. Crime and delinquency in Maryland are examined with special emphasis on criminal statistics. The major problems confronting Maryland's criminal justice are reviewed in relation to specific types of jurisdictions and their unique needs.

DESCRIPTORS: \*Criminology, \*Maryland, \*Regional planning, Rehabilitation, Law enforcement, State government, Juvenile delinquency, Project planning, Problem solving, Objectives, Adults, Police, Specialized training, Demography, Statistical distributions, Urban areas, Prevention, Participative management, Methodology

IDENTIFIERS: \*Crime reduction, \*Criminal justice, Citizen participation, LEAA

PB-228 779/5 NTIS Prices: PC\$9.25/MF\$1.45

Criminal Justice System

National Advisory Commission on Criminal Justice Standards and Goals,  
Washington, D.C.

C2484H3 PLD: 5K, 91C\*, 92C USGRDR7408

23 Jan 73 290p\*

MONITOR: 18

Sponsored in part by Law Enforcement Assistance Administration,  
Washington, D.C.

Paper copy also available from GPO \$3.35.

ABSTRACT: In the initial section of this volume, the National Advisory Commission points out the need for planning at the metropolitan and regional levels, and indicates the necessity for quantifying performance objectives. It stresses participation in the planning process by criminal justice agencies, government departments and private citizens. The Commission recommends the development of state integrated multiyear planning and the establishment of criminal justice coordinating councils by all major cities and counties. Other areas of concern to the Commission, in addition to management and budget planning, include systems analysis, information systems, evaluation, personnel training, and criminal code revision. These and other Commission proposals appear in the form of specific standards and recommendations that spell out in detail what the segments of the criminal justice system can do to upgrade and modernize many of their functions.

DESCRIPTORS: \*Law enforcement, Project planning, Standards, Objectives, Information systems, Police, Operations, Education

IDENTIFIERS: \*Criminal justice, Courts of law, LEAA

PB-228 666/4 NTIS Prices: PC\$5.85/MP\$1.45

A National Strategy to Reduce Crime

National Advisory Commission on Criminal Justice Standards and Goals,  
Washington, D.C.

C2475F1 FLD: 5K, 92C, 91C\* USGRDR7408

1973 334p

MONITOR: 18

ABSTRACT: The work covers criminal justice system planning, community crime prevention, police, courts, and corrections; it also addresses the subjects of criminal code reform and control of handguns. The Commission proposes a goal for the American people of a 50% reduction in high-fear crimes (homicide, forcible rape, aggravated assault, robbery, burglary) by 1983. Four areas are specified for priority action: Juvenile delinquency prevention, improved delivery of social services, prompt determination of guilt or innocence, increased citizen participation in community crime control activities. The Commission's plan calls for increased cooperation between all elements of the criminal justice system and planned coordination with the social service delivery system. The plan emphasizes the need for community support of the police, the need to work for insuring speedier trials while still protecting fundamental rights, and the need for corrections to develop effective programs for reintegrating offenders into the community.

DESCRIPTORS: \*Law enforcement, \*Crimes, Project planning, Standards, Objectives, Community relations, Public relations, Police, Small arms, Juvenile delinquency, Social welfare

IDENTIFIERS: \*Criminal justice, Correctional institutions, Court reforms, LEAA

PB-228 125/1 NTIS Prices: PC\$7.25/MF\$1.45

PAC-TAC. Police and Citizens-Together Against Crime. Experimental  
Action Program

Rochester-Monroe County Criminal Justice Pilot City Program, N.Y.

Action program no. 1.  
C2465I4 FLD: 5K, 91C, 92C USGRDR7408  
Jun 73 31p  
REPT NO: PCP-4  
GRANT: LEAA-72-NI-02-0001  
MONITOR: 18

ABSTRACT: This report describes an experimental program in which civilians and police officers work as two-person teams, patrolling fixed 'beat' areas in selected urban neighborhoods. These teams work in responding to service calls, aiding regular mobile patrols in their duties, deterring criminal activity and civilian victimization, and developing better community relations. The PAC-TAC experiment takes place at times of high crime and service call activities, in evening hours, seven days a week. This document outlines the background, goals, schedule, personnel selection, and training details. (modified author abstract)

DESCRIPTORS: \*Law enforcement, \*Community relations, \*Police, Criminology, Personnel selection, Education, Crimes

IDENTIFIERS: PAC-TAC, Monroe County(New York), LEAA

PB-227 682/2 NTIS Prices: PC\$4.75/MF\$1.45

Practical Conversational Spanish Language for Police and Fire Personnel

Chicago Civil Service Commission, Ill.

Final rept.

C2305I2 FLD: 5I, 92D\* USGRDR7406

1973 178p\*

PROJECT: USCSC-72-IL-14

MONITOR: USCSC-72-IL-14-22

Prepared in cooperation with Chicago Police Dept. and Chicago Fire Dept.

ABSTRACT: The manual, written by Spanish-speaking officers of the Chicago police and fire departments, will be used in conjunction with tapes in a six-week program to train department personnel to conduct simple interviews in Spanish. The first three chapters provide an introduction to pronunciation and grammar. The rest of the book consists of vocabulary dialogue, practice exercises, and tests related to work situations. Chapters focus on personal descriptions, property, first aid, weapons and tools, legal phraseology, traffic, case reports, community relations, vice, and fire information.

DESCRIPTORS: \*Spanish language, \*Programmed instruction, \*Police, \*Fire departments, \*Books, Communicating, Improvement, Symbols, Speech, Classifications, First aid, Traffic, Grammars, Numbers, Time, Descriptions, Community relations

IDENTIFIERS: \*Spanish speaking Americans, USCSC

PB-226 678/1 NTIS Prices: PC\$5.25/MF\$1.45

Police Career Development. Topic Digest Number 3

National Criminal Justice Reference Service, Washington, D.C.

AUTHOR: Whisenand, Paul M.

C2241J2 FLD: 5I, 5K, 70D\*, 91C USGRDR7405

Sep 73 31p\*

MONITOR: 18

Prepared by California State Univ., Long Beach. Dept. of Criminology.

ABSTRACT: Suggestions are made for a three track police career development program which embraces professional police managers, line officers and civilian employees. The author discusses the problems and criticisms of the current two track police system. He proposes a concentrated effort to implement a practical three track career development program both in order to maximize the use of police resources and to aid in the development of professionalization. A departmental Career Development Unit is suggested to analyze present and future career steps, make necessary recommendations for change, and insure continuing implementation of the Career Development System. The author provides guidelines for education and training requirements in each track and outlines personnel selection, counseling and assessment procedures.

DESCRIPTORS: \*Police, \*Personnel development, Project planning, Job analysis, Promoting, Policies, Reviews, Recommendations, Criminology, Education, Specialized training, Counseling, Performance evaluation

IDENTIFIERS: \*Career development, LEAA

PB-226 325/9 NTIS Prices: PC\$3.00/MF\$1.45



Career Development for Law Enforcement

Los Angeles County Sheriff's Dept., Calif.  
C2162J2 FLD: 5K, 5I, 92A, 91C USGRDR7404  
1973 396p  
GRANT: LEAA-71-DF-694  
MONITOR: 18

ABSTRACT: Career Development for Law Enforcement is a personnel management plan developed by the Los Angeles County Sheriff's Department designed to facilitate a systematic and effective use of the Department's human resources. This work reports the findings of the first year's operation of this system. Four elements of the system are presented: The identification of organizational needs; the identification of individual officer attributes and interests; the comparison of these organizational needs with human resources; and the determination of appropriate developmental programs. A task force approach was used to insure a wide participation in both the development and implementation of the program. One of the responsibilities of the task force was the formulation of a Position Specification Catalog listing duties, requirements, and other data relating to positions within the organization. An Automated Personnel Information System (APIS) is suggested to allow rapid computer access to personnel records. Career counseling, the 'linking' component of the career development system, is also discussed in depth.

DESCRIPTORS: \*Personnel development, \*Law enforcement, Job analysis, Personnel management, Organizational theory, Police, Information systems, Computer programming, Counseling

IDENTIFIERS: Los Angeles County (California), LEAA

PB-225 925/7 NTIS Prices: PC\$22.00/MF\$1.45

Minimum Standards for Police Services. A Report of the Police Standards Committee to the Governor's Commission on Law Enforcement and the Administration of Justice

Maryland Governor's Commission on Law Enforcement and the Administration of Justice.

Final rept.

C2161B4 FLD: 5D, 91C USGRDR7404

Oct 73 81p

MONITOR: LEAA-MD-73-004

ABSTRACT: The publication enumerates the minimum standards for police services in Maryland which were developed by the Police Standards Committee of the Maryland Governor's Commission on Law Enforcement and the Administration of Justice. They are the result of intensive study after a series of public hearings held throughout the state at which testimony was received from private citizens, elected officials and representatives of the criminal justice system. The standards cover such areas as training, equipment and facilities, salaries and benefits, services, staffing, manpower, and education and various procedural matters such as reporting procedures, standards for firearm use, and marking of police patrol vehicles.

DESCRIPTORS: \*Police, \*Services, \*Standards, \*Maryland, Specialized training, Equipment, Facilities, Salaries, Manpower, Small arms, Vehicles, Reporting

IDENTIFIERS: Minimum standards, LEAA

PB-225 833/3 NTIS Prices: PC\$3.75/MF\$1.45

Conflict Management Manual

Louisiana State Police, Baton Rouge.

AUTHOR: Newnam, T. J.

C2053D3 FLD: 5D, 91C\* USGRDR7402

1973 332p\*

GRANT: LEAA-72-DF-06-0027

MONITOR: 18

ABSTRACT: The role of law enforcement agencies in maintaining the balance between individual rights and public security in confrontation situations is discussed. Specific policy and strategy governing deployment, command and control of Louisiana tactical units are presented along with special considerations of communications, intelligence, and disaster relief operations. Squad and platoon size tactical unit formations are discussed and illustrated, as are emergency tactics for such actions as crowd control, patrol, securing urban areas, clearing of buildings, raids, counter-sniper, counter-looting, accidental fires, and arson. The concept and tactical uses of nonlethal weaponry, such as chemical agents, are examined. Separate chapters are devoted to baton techniques and to handling incidents involving explosives.

DESCRIPTORS: (\*Law enforcement, \*Manuals), (\*Conflict, \*Management methods), Police, Urban areas, Specialized training, Group psychology, Human behavior, Policies, Methodology, Formations, Signals, Incapacitating agents

IDENTIFIERS: Emergency tactics, Batons, Bomb threats, Riots, Civil disorder handling, LEAA

PB-225 415/9 NTIS Prices: PC\$7.25/MF\$1.45

Police. Report of the National Advisory Commission on Criminal Justice Standards and Goals, 1973

National Advisory Commission on Criminal Justice Standards and Goals, Washington, D.C.

Final rept.

C2052H1 FLD: 5D, 91C USGRDR7402

Oct 73 684p

GRANT: LEAA-72-DF-99-0002

MONITOR: 18

Paper copy available from GPO \$6.95 as stock no. 2700-00174, Y3-C86:2P75.

ABSTRACT: The National Advisory Commission on Criminal Justice Standards and Goals considers the patrolman the primary force in reducing and preventing crime and thus directs its report recommendations toward increasing police effectiveness. Suggestions for improvements in police functions are presented in the areas of working with the community, planning and organization, technology and support services, fiscal management, and coordination with other criminal justice agencies. Before implementing any of the changes advocated, police departments are advised to detail the legal limits of police authority and develop guidelines for the exercise of that authority. In order to improve cooperation between the police and the community it is suggested that police agencies establish a specialized unit for maintaining communication with citizens.

DESCRIPTORS: (\*Police, \*Law enforcement), (\*Crimes, Reduction), Objectives, Standards, Community investigations, Education

IDENTIFIERS: \*Criminal justice, LEAA

PB-225 341/7 NTIS Prices: PC-GPO/MF\$1.45-NTIS

Criminal Justice System. Report of the National Advisory Commission on Criminal Justice Standards and Goals, 1973

National Advisory Commission on Criminal Justice Standards and Goals, Washington, D.C.

Final rept.

C2052G2 FLD: 5D, 91C USGRDR7402

Nov 73 299p

MONITOR: 18

Paper copy available from GPO \$3.35 as stock no., 2700-00176, Y3.C86:2C86/2.

ABSTRACT: In the initial section of this volume, the National Advisory Commission on Criminal Justice Standards and Goals points out the need for additional planning at the metropolitan and regional levels, and indicates the necessity for quantifying performance objectives. It also stresses participation in the planning process by criminal justice agencies, government departments and private citizens. The Commission recommends the development of state integrated multiyear planning and the establishment of criminal justice coordinating councils by all major cities and counties. Other areas of concern to the Commission, in addition to management and budget planning, include systems analysis, information systems, evaluation, personnel training, and criminal code revision.

DESCRIPTORS: (\*Crimes, Reduction), (\*Information systems, \*Law enforcement), Criminal law, Security, Police, Computer programming, Data processing systems, Objectives, Standards

IDENTIFIERS: \*Criminal justice, Privacy, LEAA

PB-225 338/3 NTIS Prices: PC-GPO/MF\$1.45-NTIS

Santa Clara Criminal Justice Pilot Program. Publications List  
(Annotated), Revised Edition

American Justice Inst., Sacramento, Calif.

C1904J1 FLD: 5K, 91C\* USGRDR7324

Feb 73 28p\*

GRANT: LEAA-NI-72-09-0001

MONITOR: LEAA-NI-72-09-0001-E

See also PB-211 093. Revision of report dated May 72.

ABSTRACT: Documents described are pilot program research reports and progress reports, demonstration grant applications, demonstration project final reports and journal articles. The Santa Clara Criminal Justice Pilot Program has produced this annotated bibliography to promote technology transfer and to disseminate the results and content of Pilot Program activities. An appendix gives information about obtaining the publications listed. (Modified author abstract)

DESCRIPTORS: (\*Criminology, \*Bibliographies), (\*Law enforcement, \*California), (\*Crimes, Reduction), Projects, Reporting, Computer programming, Data processing, Methodology, Juvenile delinquency, Pattern recognition, Classifications, Records, Police, Attitudes

IDENTIFIERS: Criminal justice, Demonstration programs, \*Santa Clara County (California), Victim reports, Prison term characteristics, San Jose (California), Juvenile detention, Peace officers, LEAA

PB-224 746/8 NTIS Prices: PC\$3.00/MF\$1.45

Santa Clara Criminal Justice Pilot Program

American Justice Inst., Sacramento, Calif.

Final rept. May 70-Nov 71 on Phase I.

A4981C2 FLD: 5K, 56C, 91I USGRDR7218

1 Nov 71 171p\*

GRANT: LEAA-NI-70-023

MONITOR: LEAA-NI-70-023-A

**ABSTRACT:** The report covers the first 18 months of a five-year pilot city program designed to plan, test, and implement new methods of reducing crime and improving the criminal justice system in Santa Clara County and the city of San Jose, California. Efforts were made to develop baseline data against which the impact of future programs could be assessed. These data include: (a) a county-wide victimization survey conducted to assess the extent of crime by measures independent of police reporting systems; (b) an offense report system which permits analysis of crime by geographic area; and (c) criminal justice information control which tracks the processing of offenders from booking through disposition. A number of pilot research projects to reduce crime and improve various components of the criminal justice system are described.

**DESCRIPTORS:** (\*Crimes, Reduction), (\*Law enforcement, \*California), Criminal justice, Project planning, Problem solving, Police, Methodology, Organizations, Professional personnel, Data acquisition, Surveys, Information systems, Urban areas

**IDENTIFIERS:** Demonstration programs, Santa Clara County (California), San Jose (California), Management information systems

PB-211 093 NTIS Prices: PC\$3.00/NF\$0.95

Police Traffic Services Handbook for Governor's Highway Safety  
Representatives

International Association of Chiefs of Police, Inc., Gaithersburg, Md.  
Highway Safety Div.

Final rept.

AUTHOR: Johnson, Adam G., Darwick, N., Sostkowskii, R., Robertson, F.,  
Smith, A.

C1902J3 FLD: 13B, 5A, 91C\* USGRDR7324

Sep 73 235p\*

CONTRACT: DOT-HS-036-2-404

MONITOR: DOT-HS-800 298

ABSTRACT: The publication is prepared for State Highway Safety Administrators, to provide them with a grounding in Police Traffic Services. It is not designed for the use of police executives or students of police administration. The handbook provides the highway safety planner with a conceptualization of the purpose, goals, and objectives of a police traffic services program. It is meant to serve as a basic frame of reference for the planner relative to program definition, enforcement techniques and countermeasures, and should be of considerable value to him in finding ways to upgrade the quality and level of Police Traffic Services. Fundamentals of police organization and management are treated briefly but adequately enough to give the uninitiated a feel for the quasi-military environment within which traffic law enforcement functions operate. The chapter on Evaluation and Assessment may be of particular value to Highway Safety Administrators, in that it is applicable to all disciplines and not only to the function of Police Traffic Services.

DESCRIPTORS: (\*Traffic safety, \*Handbooks), (\*Police, Traffic safety), (\*State government, Management planning), Reviews, Projects, Data processing, Specialized training

IDENTIFIERS: NHSB

PB-224 638/7 NTIS Prices: PC\$5.75/MF\$1.45



Prevention and Control of Collective Violence. Volume I. Guidelines  
for the Chief of Police

Operations Research, Inc., Silver Spring, Md. (270 900)

AUTHOR: Callahan, W. Thomas, Knoblauch, Richard L.

C1902F3 FLD: 5K, 91C\*, 92C\* USGRDR7324

Jun 73 77p\*

GRANT: LEAA-NI-71-097-G

MONITOR: LEAA-NI-71-097-G-A

Paper copy also available in set of 5 reports as PB-224 620-Set,  
PC\$9.00; single copy also available from GPO \$0.95 as stock no.  
2700-00197.

ABSTRACT: The report includes guidelines on the collection and dissemination of the essential information required for decision making before and during an episode of collective violence. The introductory chapter explains guideline basic propositions, the methods of preparation, and the specific information needed for the prevention and control of violence. Individual chapters cover the activities of planning, training, operations, and evaluation as they relate to the police chief's needs. Within each chapter, prevention and control guidelines are listed separately and further broken into categories based upon six essential intelligence elements: the locations of collective violence, the reasons for outbreaks, time considerations, persons involved, types of events, and the ways in which collective violence occurs.

DESCRIPTORS: (\*Crimes, Prevention), (\*Police, Education), (\*Law enforcement, Instructions), Evaluation, Control, Project planning, Predictions, Criminal psychology, Manuals, Social psychology, Criminology

IDENTIFIERS: \*Collective violence, Riots, LEAA

PB-224 621/3 NTIS Prices: PC\$2.95/MF\$1.45

Prevention and Control of Collective Violence. Volume II uidelines for  
Community Relations Personnel

Operations Research, Inc., Silver Spring, Md. (270 900)

AUTHOR: Callahan, W. Thomas, Knoblauch, Richard L.

C1902F4 FLD: 5K, 91C, 92C USGRDR7324

Jun 73 57p\*

GRANT: LEAA-NI-71-097-G

MONITOR: LEAA-NI-71-097-G-B

Paper copy also available in set of 5 reports as PB-224 620-Set,  
PC\$9.00; single copy also available from GPO \$0.85 as stock no  
2700-00198.

ABSTRACT: Guidelines are presented for the maximum use by community relations officers of their potential for discovering and easing tensions in the community. Community relations personnel are in an unusually advantageous position to aid in the prevention and control of collective violence. Community police units are most effective in developing and participating in procedures for preventive action but can also be of limited help in the control stage. In the prevention phase, they can locate the potential sources of violence by familiarizing themselves with groups of dissidents and arranging meetings with group leaders to work out grievances. Suggestions are provided dealing with dissidents, and when and where to hold the most productive meetings. Once possible dissidents have been located, the community police unit can plan activities relevant to their needs and interests. If these groups are planning demonstrations, police should guide them in the most effective way to maintain order.

DESCRIPTORS: (\*Crimes, Prevention), (\*Police, \*Community relations), (\*Law enforcement, Instructions), Evaluation, Control, Project planning, Predictions, Criminal psychology, Manuals, Social change

IDENTIFIERS: \*Collective violence, Riots, LEAA

PB-224 622/1 NTIS Prices: PC\$2.85/MF\$1.45

**Prevention and Control of Collective Violence. Volume III. Guidelines for Intelligence Personnel**

Operations Research, Inc., Silver Spring, Md. (270 900)

AUTHOR: Callahan, W. Thomas, Knoblauch, Richard L.

C1902G1 FLD: 5K, 91C, 92C USGRDE7324

Jun 73 62p\*

GRANT: LEAA-NI-71-097-G

MONITOR: LEAA-NI-71-097-G-C

Paper copy also available in set of 5 reports as PB-224 620-Set, PC\$9.00; single copy also available from GPO \$0.85 as stock no. 2700-00199.

**ABSTRACT:** The report presents duties of intelligence personnel in the task of collecting, verifying, processing, and disseminating information concerning collective violence. An introductory section discusses the need for, purpose of, and methods of preparation of these guidelines as well as information requirements for both the prevention and control of collective violence. Facets of planning and training personnel are outlined to ensure that 'information flows unimpeded through the rank structure and functional divisions and units'. The guidelines conclude with ways in which intelligence personnel can support the Chief of Police in conducting assessments of prevention and control actions. The following essential elements are emphasized in the sections on planning, training, operations and evaluation: reasons for collective violence, potential locations, time considerations, participants, types of disturbances, and ways in which collective violence occur.

**DESCRIPTORS:** (\*Intelligence, Personnel), (\*Crimes, Prevention), (\*Law enforcement, Instructions), (\*Police, Education), Evaluation, Control, Project planning, Predictions, Criminal psychology, Manuals, Social psychology, Criminology

**IDENTIFIERS:** \*Collective violence, Riots, LEAA

PB-224 623/9 NTIS Prices: PC\$2.85/MF\$1.45

**Prevention and Control of Collective Violence. Volume IV. Guidelines for the Patrol Commander**

Operations Research, Inc., Silver Spring, Md. (270 900)

AUTHOR: Callahan, W. Thomas, Knoblauch, Richard L.

C1902G2 FLD: 5K, 91C, 92C USGRDR7324

Jun 73 55p\*

GRANT: LEAA-NI-71-097-G

MONITOR: LEAA-NI-71-097-G-D

Paper copy also available in set of 5 reports as PB-224 620-Set, PC\$9.00; single copy also available from GPO \$0.85 as stock no. 2700-00200.

**ABSTRACT:** The monograph presents guidelines in the areas of planning, training, operations, and evaluation as applied to incidents of collective violence. Planning is divided into two categories--planning for prevention includes all the analyses and decisions necessary to prepare operations for reducing tension and interrupting potentially violent activities; planning for control is oriented toward preparing procedures for rapidly restoring order once violence has occurred. In the area of training, the report concentrates on the steps that the patrol commander should take to plan and provide training for preventive and control operations. The guidelines on operations for prevention cover the detection and reduction of tension and the forestalling of attempts to initiate violence. Operations for control include deployment, movement, and support of police officers to end violence.

**DESCRIPTORS:** (\*Crimes, Prevention), (\*Police, Education), (\*Law enforcement, Instructions), Evaluation, Control, Project planning, Predictions, Criminal psychology, Manuals, Social psychology, Criminology

**IDENTIFIERS:** \*Collective violence, Riots, Police patrols, LEAA

PB-224 624/7 NTIS Prices: PC\$2.85/MF\$1.45

Prevention and Control of Collective Violence. Volume V. Guideline for  
Patrol Personnel

Operations Research, Inc., Silver Spring, Md. (270 900)

AUTHOR: Callahan, W. Thomas, Knoblauch, Richard L.

C1902G3 FLD: 5K, 91C, 92C USGRDR7324

Jun 73 47p\*

GRANT: LEAA-NI-71-097-G

MONITOR: LEAA-NI-71-097-G-E

Paper copy also available in set of 5 reports as PB-224 620-SET,  
PC\$9.00; single copy also available from GPO \$0.75 as stock no.  
2700-00203.

ABSTRACT: The monograph presents patrolmen with practical guidelines for their contribution to the planning, training, operations, and evaluation activities of riot control. Each of these topics is discussed in relation to the following: reasons for collective violence, potential locations, time considerations, participants, types of disturbances, and ways in which collective violence occur. Viable relationships between patrol officers and other personnel engaged in the prevention and control of violent disturbances are stressed. Because of their firsthand acquaintance with the problems of dealing with collective violence, it is suggested that patrol personnel be encouraged to 'provide a positive input to police planning and training needs'. Similarly, means by which 'patrol officers can provide personal evaluations of training, equipment, and procedures which the department has adopted for prevention and control of collective violence', are outlined.

DESCRIPTORS: (\*Crimes, Prevention), (\*Police, Education), (\*Law enforcement, Instructions), Evaluation, Control, Project planning, Predictions, Criminal psychology, Manuals, Social psychology, Criminology

IDENTIFIERS: \*Collective violence, Riots, Police patrols, LEAA

PB-224 625/4 NTIS Prices: PC\$2.75/MF\$1.45

Albuquerque/Bernalillo County Pilot Cities Programs. Summary of Phase  
1 Accomplishments

New Mexico Univ., Albuquerque. Criminal Justice Program.

Working paper

AUTHOR: Partridge, W. R.

C1901E4 FLD: 5K, 91C, 92C USGRDR7324

23 Jan 73 12p

REPT NO: CJP-WP-73-1

MONITOR: 18

ABSTRACT: The projects listed were in the field of law enforcement and included improvement in police efficiency and in the equality of justice. Other accomplishments were in the areas of public understanding of the potential for heroin treatment in the reduction of crime, community cooperation in crime prevention and agency responsiveness to community needs, agency management and planning capability, and public awareness of adjudication, corrections and rehabilitation needs. (Modified author abstract)

DESCRIPTORS: (\*Criminology, \*Urban areas), (\*Law enforcement, Projects), Police, Drug addiction, Crimes, Public relations, New Mexico, Project planning, Cooperation, Systems analysis

IDENTIFIERS: \*Pilot cities program, Albuquerque (New Mexico), Bernalillo County (New Mexico), Criminal justice, LEAA

PB-224 567/8 NTIS Prices: PC\$3.00/MF\$1.45

Criminal Justice Monograph. National Advisory Commission on Criminal Justice Standards and Goals, May 1972

Operations Research Inc., Silver Spring, Md. (270 900)

Progress rept.

C1901B2 FLD: 5K, 91C\* USGRDR7324

Jun 73 61p\*

CONTRACT: LEAA-J-LEAA-021-72

MONITOR: J-LEAA-021-72-1

Paper copy also available from GPO \$0.85 as stock no. 2700-00189.

ABSTRACT: This monograph contains a series of six month progress reports from the commission established to develop national goals, performance standards, and priorities for reducing crime. The progress reports are from the commission's four operational task forces on standards and goals for police, the courts, corrections, and community crime prevention. (Author)

DESCRIPTORS: (\*Crimes, Prevention), (\*Standards, Police), (\*Police, Objectives), (\*Law enforcement, Standards), (\*Criminology, Objectives), Reduction

IDENTIFIERS: \*Criminal justice, LEAA

PB-224 551/2 NTIS Prices: PC\$2.85/MF\$1.45

Innovation in Law Enforcement

Maryland Univ., College Park. Inst. of Criminal Justice and Criminology.

C1895L1 FLD: 5K, 91C\*, 92C USGRDR7324

Jun 73 172p\*

CONTRACT: LEAA-J-LEAA-021-72

MONITOR: J-LEAA-021-72-E

Paper copy also available from GPO \$2.35 as stock no. 2700-00194.

**ABSTRACT:** The topics discussed consider obstacles to the adoption of new technology and strategies for changing urban police policies, concepts, and functions. Papers presented in this publication include 'Demonstration Projects As a Strategy for Change', 'Political Factors Affecting Public Safety Communications Consolidation', and problems encountered when 'Changing the Rhetoric of Professionalism'. Additional material concerns scheduling police manpower by computer, and the four-day, forty-hour work week.

**DESCRIPTORS:** (\*Law enforcement, \*Urban areas), (\*Police, Revisions), Cooperation, Services, Scheduling, Personnel development, Cost effectiveness, Planning, Evaluation, Management, Effectiveness

**IDENTIFIERS:** Criminal justice, LEAA

PB-224 539/7 NTIS Prices: PC\$4.85/NF\$1.45



Deterrence of Crime in and Around Residences

Maryland Univ., College Park. Inst. of Criminal Justice and Criminology.

AUTHOR: Blanchard, Janelle, Brill, William H., Misner, Gordon E., Newman, Oscar, Rykert, Wilbur

C1895H4 FLD: 5K, 91C\*, 92C USGRDR7324

Jun 73 133p\*

CONTRACT: LEAA-J-LEAA-021-72

MONITOR: J-LEAA-021-72-B

Paper copy also available from GPO \$2.10 as J1-37:R31.

ABSTRACT: The physical structuring of residences as a means of deterring criminal activity is discussed in several contexts including the overall impacts of architectural design on criminal activity and the value of legislating building security codes as a deterrence factor. The need for community involvement in programs to curb crime is highlighted as a major element of the overall problem. Actions which can be taken by the individual, by community groups, and by joint citizen-police cooperative efforts are covered. Also presented is a paper analyzing the patterns of residential and non-residential burglaries which result from the interaction of the offender who takes advantage of existing opportunities or creates his own opportunities to commit crimes; the citizen who increases or decreases the probability that he will or will not become a victim of a particular crime; and the police who attempt to counter the moves of the offender and support the moves of the citizen.

DESCRIPTORS: (\*Law enforcement, Urban areas), (\*Crimes, \*Residential buildings), Reduction, Security, Legislation, Building codes, Law (Jurisprudence), Sociology, Police, Criminology, Architecture

IDENTIFIERS: Criminal justice, LEAA

PB-224 524/9 NTIS Prices: PC\$4.60/MF\$1.45

A Realistic Approach to Innovation

Nebraska Univ., Omaha. Dept. of Criminal Justice.

AUTHOR: Dawson, Garth C.

C1892D1 FLD: 5I, 92D, 91C\* USGRDR7324

May 73 20p

CONTRACT: LEAA-NI-72-004-G

MONITOR: 18

ABSTRACT: Part of the Omaha police in-service training program was devoted to innovative approaches to solving police department problems and improving community relations. The sessions were an attempt to use the brainstorming technique to elicit new solutions to everyday problems faced by the rank-and-file members of the police department. The report describes the training methodology which was followed and the suggestions offered by the officers. (Author)

DESCRIPTORS: (\*Police, \*Specialized training), (\*Criminology, \*Nebraska), Projects, Reviews, Problem solving, Community relations, Law enforcement

IDENTIFIERS: Omaha (Nebraska), On job training, Brainstorming, Innovations, LEAA

PB-224 276/6 NTIS Prices: PC\$2.75/MF\$1.45

Police Reports to the Public

College of William and Mary, Williamsburg, Va. Metropolitan Criminal Justice Center.

AUTHOR: Gray, B. M. II

C1822I3 FLD: 5D, 91C, 92C, 91D USGRDR7323

30 May 73 16p

CONTRACT: LEAA-NI-72-005-G

MONITOR: 18

ABSTRACT: The minimum basic data elements which should be utilized in the preparation of police reports to city officials and to the general public are presented. Data elements outlined include an introduction, departmental awards and recognitions, description of the area served, departmental description, enforcement activities in the areas of traffic and crime, and time utilization. Such data are designed to provide valuable management information for departmental self-evaluation, especially in such areas as resource allocation, response to community needs, and development of the best methods of identifying, capturing, and using all available information for management purposes.

DESCRIPTORS: (\*Police, \*Public relations), Technical writing, Reporting, Data

IDENTIFIERS: Management information systems, LEAA

PB-224 303/8 NTIS Prices: PC\$3.00/MF\$1.45

Police Juvenile Handbook: Police Department, City of Norfolk, Virginia

College of William and Mary, Williamsburg, Va. Metropolitan Criminal Justice Center.

C1663L4 FLD: 5D, 91C USGRDR7321

1973 60p

CONTRACT: LEAA-NI-72-005-G

MONITOR: 18

ABSTRACT: The handbook is designed to aid the police officers of Norfolk, Chesapeake, Portsmouth, and Virginia Beach, Virginia in encounters with juveniles. It contains information relating to legal and departmental procedures to be followed in all encounters with juveniles, local ordinances and juvenile statutes of the Virginia code. The last two sections relate to referrals and the juvenile court. (Modified author abstract)

DESCRIPTORS: (\*Juvenile delinquency, \*Information systems), (\*Police, \*Handbooks), (\*Law(Jurisprudence), \*Virginia), Operations, Methodology, Rehabilitation, Ordinances, Organizations, Recommendations, Constraints

IDENTIFIERS: Juvenile courts, Norfolk(Virginia), Chesapeake(Virginia), Portsmouth(Virginia), Virginia Beach(Virginia), Alternatives, LEAA

PB-223 571/1 NTIS Prices: PC\$5.00/MF\$1.45

Police Planning and Analysis Office

College of William and Mary, Williamsburg, Va. Metropolitan Criminal Justice Center.

AUTHOR: Diggles, Walter J.

C1661J4 FLD: 5I, 70D, 91C USGRDR7321

19 Jan 73 53p

GRANT: LEAA-NI-72-005-G

MONITOR: 18

ABSTRACT: Structure, functions, and resource requirements of a planning and analysis unit of a local police department are presented. The role of the police chief, as the basic link between police planning and police management, is analyzed. Local implementation of a planning and analysis unit is fully presented, including job descriptions and budgeting requirements.

DESCRIPTORS: (\*Law enforcement, \*Urban planning), (\*Police, \*Management), Supervisors, Leadership, Coordination, Planning, Job analysis, Evaluation, Organizations, Personnel development

IDENTIFIERS: \*Police chiefs, LEAA

PB-223 434/2 NTIS Prices: PC\$4.75/MF\$1.45

Personnel Practices of Reserve/Auxiliary Law Enforcement Programs  
California State Univ., San Jose. Dept. of Administrative Justice.

Doctoral thesis

AUTHOR: Unsinger, Peter

C1652E2 FLD: 5I, 70D, 91C\* USGRDR7321

Jul 73 124p\*

MONITOR: 18

Sponsored in part by Department of Justice, Washington, D.C.

ABSTRACT: The purpose of the paper is to examine the personnel practices of agencies using the volunteer peace officer. The selection, training and utilization of these volunteers are examined in detail. Also explored are any changes that may be occurring or are likely to occur in the future. The original research consisted of extensive field observations with some nineteen western police and sheriff's departments, a mailed questionnaire with one hundred and thirty-one departments responding, and examination of police skills to determine the aspects needed to analyze personnel policies.

DESCRIPTORS: (\*Police, Supplements), (\*Law enforcement, \*Manpower utilization), Project planning, Job analysis, Personnel selection, Specialized training, Questionnaires, Standards, Personnel management, Theses

IDENTIFIERS: \*Volunteer peace officers, \*Police auxiliaries, LEAA

PB-223 185/0 NTIS Prices: PC\$4.25/MF\$1.45

Use of Manpower in a City Police Force: A Model Based on a Study of the Fremont, California, Police Department

Social Development Corp., Bethesda, Md.

Final rept.

C1112C1 FLD: 5I, 91C, 70D USGRDR7314

Jan 73 150p

REPT NO: SDC-4029

MONITOR: 18

ABSTRACT: Management by objective is a relatively new methodology for police departments. It is a means of analyzing the complex police function into component tasks which can be isolated and further broken down into simple and achievable objectives with evaluation criteria developed for each objective. This technique was used in Fremont Ca. in evaluating and re-organizing the police department. Evaluation criteria for each position and sub-division as well as for the department as a whole were developed. A career ladder for both sworn and unsworn personnel was developed allowing for transfers of qualified civilian personnel to sworn positions. The report concludes with selection and training standards for each position in the department.

DESCRIPTORS: (\*Police, \*Manpower utilization), (\*Law enforcement, \*California), Management methods, Personnel development, Objectives, Evaluation, Criteria, Systems analysis, Organizing, Models, Policies, Reviews, Urban planning

IDENTIFIERS: Fremont (California), SOLO

PB-220 491/5 NTIS Prices: PC\$3.00/MF\$0.95

Police Traffic Services. Supervisory Level Training

Dunlap and Associates, Inc., Darien, Conn. (118 620)

Final rept. 21 Jun 71-21 Oct 72

AUTHOR: Bishop, Edward W.

C1023K3 FLD: 5I, 5K, 92A, 91C USGRDR7313

Apr 73 46p

CONTRACT: DOT-HS-099-1-137

MONITOR: DOT-HS-800 823

ABSTRACT: The report describes the research for and development of instructional materials for police supervisors with traffic responsibilities. This supervisory level training course follows the development under the same contract of a 103 hour basic training program for police traffic services.

DESCRIPTORS: (\*Police, \*Specialized training), (\*Supervisors, Police), Training devices, Traffic regulations, Services, Planning

IDENTIFIERS: NHSB

PB-220 062/4 NTIS Prices: PC\$3.00/MF\$0.95



Development Methodology: Basic Training Program for Police Traffic Services

Dunlap and Associates, Inc., Darien, Conn. (118 620)

Final rept. 21 Jun 71-21 Oct 72

AUTHOR: Hale, Allen, Hamilton, John W.

C1023K2 FLD: 5I, 5K, 92A, 91C USGRDR7313

Apr 73 33p

CONTRACT: DOT-HS-099-1-137

MONITOR: DOT-HS-800 822

ABSTRACT: The document reports the research, development, and pilot test of a basic training program for police traffic services. A functional task analysis of the job entitled 'Patrolman' or 'Police Officer' provided the outline of a 103 hour in-service course. Lesson units of the curriculum are grouped by these functions: traffic law, traffic direction and control, traffic law enforcement, accident site management, traffic court, and services for motorists. A description of the pilot testing of the course materials is included, along with a complete list of references used in the development of the course.

DESCRIPTORS: (\*Police, \*Specialized training), Job analysis, Services, Traffic regulations, Law enforcement, Motor vehicle accidents, Methodology

IDENTIFIERS: Curricula, NHSB

PB-220 061/6 NTIS Prices: PC\$3.00/MF\$0.95

Guidelines for Police Performance Appraisal, Promotion and Placement Procedures

National Inst. of Law Enforcement and Criminal Justice, Washington, D.C. Research Operations Div.

AUTHOR: Epstein, Sidney, Laymon, Richard S.

C0773L2 FLD: 5K, 91C, 70D\* USGRDR7311

Mar 73 69p\*

MONITOR: 18

ABSTRACT: The document presents some basic principles and methods of personnel evaluation in order to help police administrators in the performance of this function. It discusses methods of evaluating performance of position incumbents for purposes of rewards, retention on the job, correction of deficiencies through training, or separation from employment. It also discusses evaluation in the sense of predicting probable performance after promotion to a higher level position or placement in a new position with new and specialized duties. The methods are derived from a review of current literature and an examination of practices in a number of representative police departments.

DESCRIPTORS: (\*Police, \*Personnel management), (\*Performance evaluation, \*Management systems), Methodology, Concepts, Job analysis, Promoting, Predictions, Reward(Psychology), Law enforcement, Criminology, Handbooks

IDENTIFIERS: Deficiency correction, Personnel retention, Management information systems, LEAA

PB-218 245/9 NTIS Prices: PC\$3.00/MF\$0.95

A Spatially Distributed Queueing Model for Police Patrol Sector Design  
Massachusetts Inst. of Tech., Cambridge. Operations Research Center.  
(270 720)

Technical rept.  
AUTHOR: Campbell, Gregory L.  
C2165A1 FLD: 5K, 92C, 91C USGRDR7404  
Jun 72 132p  
REPT NO: TR-75  
GRANT: NSF-GK-16471  
PROJECT: MIT-DSR-72326  
MONITOR: 18

ABSTRACT: The model focuses on the two major activities of patrol forces: preventive patrol and response to calls for police service. It incorporates the specific travel time characteristics and spatial distribution of calls for police service which occur in the district under consideration. Output of the model includes: average patrol car response time to all incidents, equity in distribution of response time within the district, workload balance among patrol units, and average number of dispatches that require each patrol car to leave its own sector. The model is applied to three hypothetical districts and the effectiveness of utilizing incident location information in the dispatching process is analyzed. The trade-offs in response time vs. intersector dispatching for a simple system of overlapping sectors are studied. A case study involving District 14 of the Boston Police Department illustrates the use of the model as a decision aid in patrol sector design. The present sector configuration is compared with one alternative proposed by police personnel from District 14, and one alternative proposed by the author. Measures of system performance are calculated for each design. (Modified author abstract)

DESCRIPTORS: \*Police, \*Distribution systems, \*Allocation models, Models, Resources, Queueing theory, Management

IDENTIFIERS: Boston (Massachusetts), Resource allocations, Police patrols, Patrol assignments, NSF

PB-226 133/7 NTIS Prices: PC\$8.75/MF\$1.45

Police/Community Cooperation and Understanding Evaluation Project.  
Volume I. Survey Findings

New Mexico Univ., Albuquerque. Criminal Justice Program.

Final rept.

AUTHOR: Wilson, S. S.

C1905G3 FLD: 5K, 91C\* USGRDR7324

31 Aug 72 314p\*

REPT NO: CJP-72-2-A

CONTRACT: LEAA-70-DF-311

MONITOR: 18

Paper copy available from NTIS \$10.00/set of 2 reports as PB-224  
795-SET.

ABSTRACT: Objectives of the study, reported on in two volumes, were to discover citizen attitudes toward police, police attitudes toward citizens, and the strength and causative factors associated with these attitudes. A further objective was the definition of specific programs to improve negative attitudes and reinforce positive attitudes. Citizens, representing a cross-section of the community, were interviewed, and all officers of the police force were surveyed by the questionnaire approach. No elaborate statistical treatment of the data was attempted. Volume 1 discusses the major findings.

DESCRIPTORS: (\*Police, \*Community relations), (\*Law enforcement, \*Attitudes), (\*Sociopsychological surveys, \*New Mexico), Public opinion, Factor analysis, Interviews, Questionnaires, Social psychology, Chicanos, Youths, Socioeconomic status, Caucasians, Pattern recognition, Officer personnel, Statistical analysis

IDENTIFIERS: Understanding, \*Albuquerque (New Mexico), LEAA

PB-224 796/3 NTIS Prices: PC\$7.00/MF\$1.45

Police/Community Cooperation and Understanding Evaluation Project.  
Volume II: Recommendations

New Mexico Univ., Albuquerque. Criminal Justice Program.

Final rept.

AUTHOR: Partidge, W. R., Koehne, Fred W., Goldberg, Catherine A.,  
Wilson, Stephany S.

C1905G4 FLD: 5K, 91C SGRDR7324

7 Nov 72 140p\*

REPT NO: CJP-72-2-B

GRANT: LEAA-70-DF-311

MONITOR: 18

Paper copy also available from NTIS \$10.00/set of 2 reports as PB-224  
795-SET.

ABSTRACT: The implications of attitude survey findings are reported for future implementation of police policies, and community relations efforts. Volume 2 of a two-volume report explains the reasoning process which led to the specific programs recommended and includes an overview of the current status of police community relations in Albuquerque. A series of suggestions to counter future threats to personal safety, improve citizen satisfaction with police, and improve morale of police officers include abandoning image-building programs in favor of programs that increase contact of street officers with citizens and upgrading police training in handling demonstrations and riots.

DESCRIPTORS: (\*Police, \*Community relations), (\*Public opinion, Police), (\*Law enforcement, \*New Mexico), Evaluation, Project planning, Human behavior, Attitudes, Policies, Sociopsychological surveys, Morale, Public relations, Specialized training, Communicating, Recommendations

IDENTIFIERS: Civil disorder handling, Albuquerque(New Mexico), LEAA

PB-224 797/1 NTIS Prices: PC\$4.50/MF\$1.45

Police/Community Cooperation and Understanding Evaluation Project

New Mexico Univ., Albuquerque. Criminal Justice Program.

C1905G2 FLD: 5K USGRDR7324

7 Nov 72 454p-in 2v

MONITOR: 18

Set includes PB-224 796 thru PB-224 797.

IDENTIFIERS: LEAA

PB-224 795-SET NTIS Prices: PC\$10.00

The Criminal Justice System in Polk County, Iowa. Volume 2. Law Enforcement: Description and Analysis

Des Moines/Polk County Metropolitan Criminal Justice Center, Iowa.

Interim rept.

C1902L4 FLD: 5K, 94C USGRDR7324

Dec 72 145p

GRANT: LEAA-NI-72-003-G

MONITOR: 18

See also Volume 3, PB-224 689.

ABSTRACT: An analysis is presented in Volume 2 of a five volume report of law administration, technical support services, and juvenile activities in Polk County, Iowa, as well as uniform patrol functions, criminal investigation, traffic enforcement, and vice control. The section on baseline data evaluation deals with patterns and trends in law enforcement, problem areas and recommendations. Appended material includes statistical charts and a sample data collection questionnaire for each jurisdiction. Volume 1 has not been published.

DESCRIPTORS: (\*Criminal law, \*Iowa), (\*Law enforcement, \*Management), Municipalities, Police, Communication equipment, Identification systems, Criminal investigations, Traffic regulations, Narcotics, Intelligence, Juvenile delinquency, Data processing, Problem solving, Information systems

IDENTIFIERS: Polk County(Iowa), Support services, Vice control, Management information systems, \*Criminal justice, LEAA

PB-224 647/8 NTIS Prices: PC\$9.25/MF\$1.45

The Pilot City Experience in Omaha-Douglas County, Nebraska

Nebraska Univ., Omaha. Dept. of Criminal Justice.

Interim rept.

AUTHOR: MacDonald, Malcolm E.

C1892C2 FLD: 5K, 91C\* USGRDR7324

Sep 72 61p\*

CONTRACT: LEAA-NI-72-004-G

MONITOR: 18

ABSTRACT: Omaha's criminal justice center used a research team of professionals for a sustained process of research, new program development, demonstration, and evaluation. The major thrust of the program was the development of system-wide improvements in the criminal justice system--police, courts, and corrections. The report covers the purpose of the center, its history and background, its organization, functions, and relationship to other organizations, progress to date on the originally stated goals, development of baseline data, and development and description of projects. (Modified author abstract)

DESCRIPTORS: (\*Law enforcement, Evaluation), Police, Project planning, Objectives, Local government, Criminal law, Criminology, Policies, Nebraska

IDENTIFIERS: Omaha County (Nebraska), Douglas County (Nebraska), Courts of law, \*Criminal justice, Pilot cities program, LEAA

PE-224 272/5 NTIS Prices: PC\$3.50/MF\$1.45



Albuquerque Police Department, Race and Cultural Relations Training:  
Evaluation Report

New Mexico Univ., Albuquerque. Criminal Justice Program.

AUTHOR: Koehne, Fred W., Wilson, Stephany S.

C1663D2 FLD: 5K, 91C USGRDR7321

26 Sep 72 18p

REPT NO: CJP-72-3

GRANT: LEAA-NI-71-050-G

MONITOR: 18

ABSTRACT: Seminars conducted for 90 officers were evaluated by personal observation of the seminars in progress and by a comparison of seminar participants and nonparticipants. The evaluation revealed that the initial strong impact of the seminars tended to dissipate rather quickly over time. Other major findings were that seminar participants tended to perceive greater negativism, hostility, and dissatisfaction toward police among minority groups and other segments of the community and appeared more attuned to socioeconomic factors affecting the city's crime problems. (Author)

DESCRIPTORS: (\*Police, \*Community relations), (\*Specialized training, \*Law enforcement), Problem solving, Meetings, Attitudes, Questionnaires, Job satisfaction, Programmed instruction, Conflict, Cooperation, Methodology, Reference groups, Ethnic groups, Behavior, New Mexico, Crimes

IDENTIFIERS: Albuquerque (New Mexico), Cultural relations, LEAA

PB-223 512/5 NTIS Prices: PC\$3.00/MF\$1.45

The Challenge of Productivity Diversity Improving Local Government  
Productivity Measurement and Evaluation. Part III. Measuring  
Police-Crime Control Productivity

Urban Inst., Washington, D.C.

Initial rept. Oct 71-May 72

AUTHOR: Schaenman, Philip S., Kalish, James, DonVito, Pasqual A.,  
Bloch, Peter

C1651B2 FLD: 5K, 5A, 70F, 91C USGRDR7321

Jun 72 162p\*

MONITOR: NCP-72-003

Paper copy also available from NTIS \$13.00/set of 4 reports as PB-223  
114-SET.

ABSTRACT: The third volume in a four-volume report identifies improved  
procedures for estimating local government productivity in police  
crime control and presents some illustrative analyses of police  
productivity based on readily available data. It includes actual  
measures, illustrative data, a review of past research, a sample data  
collection format, a citizen survey to assess the feeling of security,  
victimization, and police-community relations; a discussion of  
selected data problems for crime control productivity measurements,  
and an annotated bibliography.

DESCRIPTORS: (\*Local government, Productivity), (\*Law enforcement,  
Evaluation), Police, Surveys, Reviews, Data acquisition, Public  
opinion, Attitudes, Community relations, Problem solving, Security,  
Criminology, Research

IDENTIFIERS: \*Crime prevention, Priorities, EOPNCP

PB-223 117/3 NTIS Prices: PC\$4.75/MF\$1.45

The Challenge of Productivity Diversity Improving Local Government  
Productivity Measurement and Evaluation. Part IV. Procedures for  
Identifying and Evaluating Innovations--Six Case Studies

Urban Inst., Washington, D.C.

Initial rept. Oct 71-May 72

AUTHOR: Barbour, George P. Jr

C1651B3 FLD: 5A, 13B, 5D, 70F, 91C USGRDR7321

Jun 72 141p\*

MONITOR: NCP-72-004

Paper copy also available from NTIS \$13.00/set of 4 reports as PB-223  
114-SET.

ABSTRACT: Three case studies each are presented in solid waste and law enforcement to ascertain the potential for identifying and evaluating innovations which lead to productivity improvements. The cases examine one-man, non-mechanized refuse collection; one-man refuse collection systems (the barrel snatcher; and the mechanical bag retriever); and computerized routing for collection. The use of non-sworn police professionals is discussed, along with the use of law enforcement helicopters; manpower resource allocation. Included are a list of references, reports of interviews and a bibliography.

DESCRIPTORS: (\*Local government, Productivity), (\*Law enforcement, Facilities), (\*Wastes, \*Collecting methods), Reviews, Evaluation, Improvement, Systems analysis, Police, Manpower utilization

IDENTIFIERS: \*Innovations, \*Crime prevention, \*Solid waste collection, EOPNCP

PB-223 118/1 NTIS Prices: PC\$4.50/MF\$1.45

Confrontation or Accommodation. The American Legion and the People's Army Jamboree in Portland

Brandeis Univ., Waltham, Mass. Lemberg Center for the Study of Violence.

AUTHOR: Corsi, Jerome R., Lewis, Ralph G.

C1425H1 FLD: 5K, 92C, 91C USGRDR7318

1972 105p

CONTRACT: LEAA-NI-71-013

MONITOR: 18

ABSTRACT: The report discusses the simultaneous occurrence in Portland Oregon of the Annual Convention of the American Legion and a convocation of political dissidents operating under the title of the People's Army Jamboree. Other participants included Veterans United against the War, the Black Panthers, White Panthers, and groups committed to non-violence. Two controversial events which also took place at this time were the Kent State killings and the invasion of Cambodia. The report examines early negotiations, the convention and demonstration proceedings, law enforcement and community preparations and attitudes of officials and protesters.

DESCRIPTORS: (\*Group dynamics, \*Urban areas), (\*Organizations, Conflict), (\*Law enforcement, Problem solving), Community relations, Police, Decision making, Reviews, Oregon

IDENTIFIERS: Portland(Oregon), \*Dissident groups, Demonstration marches, Peoples Army Jamboree, Law and order, American Legion conventions, student strikes, Confrontations, Civil rights, LEAA

PB-222 272/7 NTIS Prices: PC\$7.25/MF\$1.45

The Crime-Correlated Area Model: An Application in Evaluating Intensive Police Patrol Activities

Rhode Island Univ., Kingston. Coll. of Business Administration.

Final rept. Jun 71-Oct 72

AUTHOR: Budnick, Frank S.

C1121D4 FLD: 5K, 91C, 92C USGRDR7314

Oct 72 203p

GRANT: LEAA-NI-71-114-PG

MONITOR: LEAA-NI-71-114-PG

ABSTRACT: The report presents a discussion of the development and potential uses of a statistical model designed to estimate crime levels in one section of a city from the knowledge of the levels in statistically similar areas elsewhere in the city. The author postulates that since there are a number of crime-related influences which operate in a city as a whole, the level of crime in one area of the city might be the function of the crime level within another area. Data were gathered on the monthly index crime levels over a thirty month period for each reporting area in Washington, D.C.

DESCRIPTORS: (\*Criminology, \*Urban areas), (\*Crimes, Statistical inference), Mathematical models, Correlations, Evaluation, Mathematical prediction, District of Columbia, Police, Law enforcement, Data acquisition

IDENTIFIERS: \*Crime levels, LEAA

PB-220 716/5 NTIS Prices: PC\$3.00/MF\$0.95

Determinants of Police Behavior: A Summary

Psychiatric Inst. Foundation, Washington, D.C.

Final rept. Apr 70-Apr 72

AUTHOR: Cruse, Daniel, Rubin, Jesse

C1112K2 FLD: 5I, 5J, 91C\*, 70D USGRDR7314

1972 22p\*

GRANT: LEAA-NI-70-038

MONITOR: 18

Prepared in cooperation with Miami Police Dept., Fla.

Paper copy also available from NTIS \$8.50/set of 2 reports as PB-220 537-SET.

ABSTRACT: The report summarizes the findings and recommendations of research conducted within the Miami Police Department. This project examined and identified factors which determine variations in police patrol behavior. The factors included fatigue, stress, citizen behavior, type of call, neighborhood, shift, day of week, number of citizens, and psychological variables. Certain situations were determined to be stressful and the researchers recommend way to improve recruit training programs and deploy manpower in an attempt to alleviate such stress and its undesirable results.

DESCRIPTORS: (\*Police, \*Behavior), (\*Sociopsychological surveys, Police), Variations, Law enforcement, Factor analysis, Fatigue (Biology), Stress (Psychology), Community relations, Neighborhoods, Day, Time, Specialized training, Recommendations, Florida

IDENTIFIERS: \*Citizen behavior, Miami (Florida), LEAA

PB-220 538/3 NTIS Prices: PC\$3.00/MF\$0.95

Determinants of Police Behavior

Psychiatric Inst. Foundation, Washington, D.C.

Final rept. Apr 70-Apr 72

AUTHOR: Cruse, Daniel, Rubin, Jesse

C1112K3 FLD: 5I, 5J, 91C, 70D USGRDR7314

1972 250p

GRANT: LEAA-NI-70-038

MONITOR: 18

Prepared in cooperation with Miami Police Dept., Fla.

Paper copy also available from NTIS \$8.50/set of 2 reports as PB-220 537-SET.

ABSTRACT: Miami police officers are the subjects of research which examined and identified factors that determine variations in police patrol behavior. The factors included fatigue, stress, citizen behavior, type of call, neighborhood, shift, day of week, number of citizens and psychological variables. Certain situations were determined to be stressful and the researchers recommend ways to improve recruit training programs and deploy manpower in an attempt to alleviate such stress and its undesirable results.

DESCRIPTORS: (\*Police, \*Behavior), (\*Law enforcement, \*Florida), Variations, Sociopsychological surveys, Factor analysis, Fatigue (Biology), Stress (Psychology), Community relations, Classifications, Deployment, Neighborhoods, Time, Recruiting, Specialized training, Recommendations, Improvement

IDENTIFIERS: Citizen behavior, Miami (Florida), LEAA

PB-220 539/1 NTIS Prices: PC\$6.75/MF\$0.95

Determinants of Police Behavior. Two Volumes

Psychiatric Inst. Foundation, Washington, D.C.

Final rept. Apr 70-Apr 72

AUTHOR: Cruse, Daniel, Rubin, Jesse

C1112K1 FLD: 5I, 5J USGRDR7314

1972 272p-in 2v

GRANT: LEAA-NI-70-038

MONITOR: 18

Set includes PB-220 538 thru PB-220 539.

IDENTIFIERS: LEAA

PB-220 537-SET NTIS Prices: PC\$8.50



Community Police Patrols: An Exploratory Inquiry

Harvard-MIT Joint Center for Urban Studies, Cambridge, Mass.

AUTHOR: Marx, Gary T., Archer, Dane

C1105K3 FLD: 5K, 91C, 91G USGRDR7314

Jun 72 101p

CONTRACT: LEAA-NI-70-070

MONITOR: 18

ABSTRACT: The project examined existing empirical research and has collected data on citizen mobilization around issues of crime, order, and law enforcement. Much of the attention is focused on formally organized, non-governmental groups which arise as supplements or alternatives, to the police. Among the issues considered were when and how communities mobilize around issues of crime and law enforcement; how people come to define law enforcement situations as requiring action; how and where community patrols emerge, of what type and with what consequences; how police view those efforts; and the social, political and economic barriers to community mobilization.

DESCRIPTORS: (\*Law enforcement, \*Community relations), (\*Police, Supplements), Urban planning, Reviews, Data acquisition, Interest groups, Participative management, Mobilizing, Classifications, Attitudes, Constraints, Ethnic groups

IDENTIFIERS: \*Community police patrols, Citizen participation, Citizen attitudes, Police attitudes, LEAA

PB-220 332/1 NTIS Prices: PC\$3.00/MF\$0.95

Police Traffic Services Instructor Training Institute

Dunlap and Associates, Inc., Darien, Conn. (118 620)

Final rept. 20 Jun-20 Dec 72

AUTHOR: Cleven, Arlene

C1025C2 FLD: 5I, 92A\*, 91C\*, 85D USGRDR7313

Dec 72 231p\*

CONTRACT: DOT-HS-099-2-473

MONITOR: DOT-HS-800 794

ABSTRACT: The purpose of this study was to introduce key individuals to the NHTSA-developed curriculum materials for police traffic services and teach them how to teach. The objective was accomplished through the conduct of five 30-hour instructor training institutes conducted in various areas of the country in the fall of 1972. Various educational institutions served as host colleges. Ninety-two percent of the enrollees have reported that they intend to use the NHTSA curriculum materials for their future PTS training. (Author Modified Abstract)

DESCRIPTORS: (\*Police, \*Vehicular traffic control), (\*Specialized training, \*Instructors), Community relations, Schools, Project planning, Personnel development, Effectiveness, Programmed instruction, Evaluation

IDENTIFIERS: \*Instructor training, \*Police traffic services, NHSB

PB-220 173/9 NTIS Prices: PC\$6.75/MF\$0.95

Attorney General's Annual Report (1st): Federal Law Enforcement and Criminal Justice Activities

Department of Justice, Washington, D.C. (109 150)

AUTHOR: Kleindienst, Richard G.

C0722I3 FLD: 5K, 91C USGRDR7310

1 Sep 72 559p

MONITOR: 18

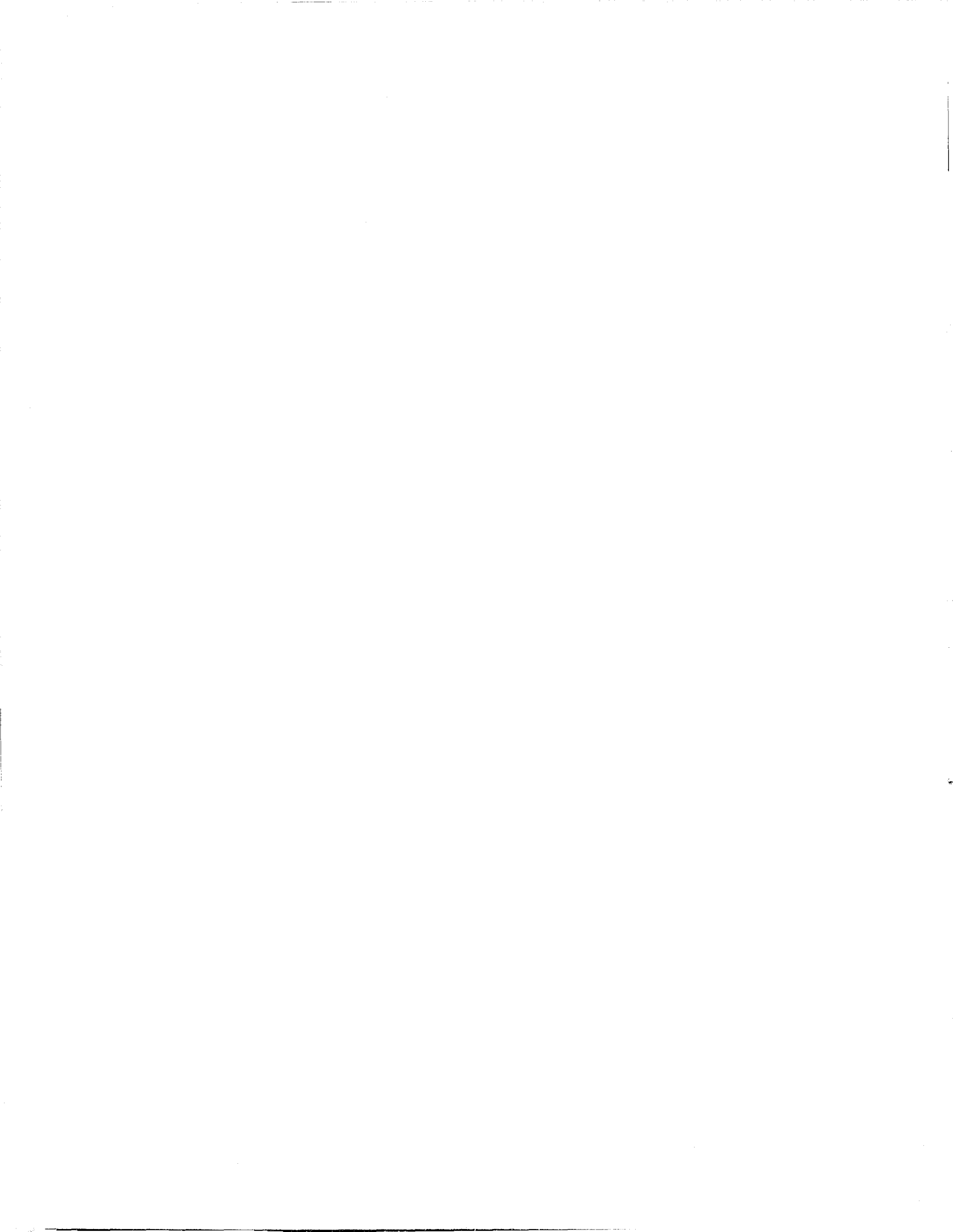
Paper copy available from GPO \$5.00 as stock no. 2700-0160.

ABSTRACT: The report discusses a wide range of Federal programs which are in the areas of law enforcement and criminal justice assistance activities. In addition to covering programs concerned directly with crime reduction, the report covers the extensive Federal efforts to alleviate economic and social problems which help contribute to crime. There is a chapter on each of the 37 Federal departments and agencies which have crime reduction programs. In addition, there are twelve essays on the following subjects of primary importance in law enforcement: federal law enforcement; criminal justice assistance; narcotics and dangerous drugs; organized crime; corrections; passenger and cargo security; civil disorders; the District of Columbia; white collar crime; bombs; research; and juvenile delinquency.

DESCRIPTORS: (\*Law enforcement, National government), (\*Crimes, Reduction), Criminology, Reviews, Projects, Narcotics, Sociometrics, Economic analysis, Juvenile delinquency, Police, Security, Bombs(Ordinance)

IDENTIFIERS: \*Criminal justice, Organized crime, LEAA

PB-218 078/4 NTIS Prices: PC-GPO/MF\$0.95-NTIS



**CONTINUED**

**1 OF 3**

## The Impact of Police Unions

Northwestern Univ., Evanston, Ill. Graduate School of Management.

AUTHOR: Juris, Hervey A., Feiulle, Peter

C0715B3 FLD: 5I, 70D, 91C USGRDR7310

1972 211p

CONTRACT: LEAA-NI-70-044

MONITOR: LEAA-NI-70-044

Prepared in cooperation with Oregon Univ., Eugene. Coll.  
Administration of Business and Wisconsin Univ., Madison.

ABSTRACT: In-depth field surveys were conducted in major cities where police unions are active, in cities where they have been unsuccessful and in cities where they are forbidden. These surveys yielded data relating to methods of dealing with police unions and to the effects of these unions upon professionalization of police personnel, general police personnel and general policies and operations of police departments. A two volume text was produced to help police departments throughout the country deal with matters related to and resulting from police union activity.

DESCRIPTORS: (\*Labor unions, \*Police), Urban areas, Surveys, Management

IDENTIFIERS: LEAA

PB-217 223/7 NTIS Prices: PC\$3.00/MF\$0.95

Development of Psychiatric Standards for Police Selection

Personnel Decisions, Inc., Minneapolis, Minn.

Rept. for 15 May 71-15 Jul 72

AUTHOR: Heckman, Robert W., Groner, Dennis M., Dunnette, Marvin D.,  
Johnson, Paul D.

C0642F1 FLD: 5I, 70D\*, 91C\* USGRDR7309

Jun 72 364p\*

GRANT: LEAA-NI-71-085-G

MONITOR: 18

ABSTRACT: The police manpower project assessed those personality characteristics that are relevant to on-the-job police performance and determined nationally applicable personality standards to aid officials in the selection of new police officers. A number of personality tests and job situations are selected to measure these behaviors, and the tests and simulations are normed for different types of police departments and geographical areas. The manual from this project includes guidelines for the application of psychiatric test and standards to police selection.

DESCRIPTORS: (\*Police, \*Personnel selection), (\*Personality tests, Police), Psychiatric tests, Standards, Specialized training, Job analysis

IDENTIFIERS: LEAA

PB-215 534/9 NTIS Prices: PC\$9.00/MF\$0.95

The Deterrent Effectiveness of Criminal Justice Sanction Strategies

University of Southern California, Los Angeles. Public Systems  
Research Inst.

Summary rept.

AUTHOR: Kobrin, Solomon, Lubeck, Steven G., Hansen, E. Wayne, Yeaman,  
Robert

CO492H1 FLD: 5K, 91C, 92C USGRDR7307

Sep 72 43p\*

GRANT: LEAA-NI-71-069

MONITOR: LEAA-NI-71-069

ABSTRACT: The study attempts to measure the relationship between the  
sanctioning activities of criminal justice and the magnitude of the  
crime problem. California was the setting for the study in which  
variations in sanctioning strategies were analyzed in relation to the  
number and seriousness of reported felony crimes. (Author)

DESCRIPTORS: (\*Law enforcement, Motivation), (\*Crimes, \*Motivation),  
Criminology, Police, Statistical analysis, Effectiveness, California

IDENTIFIERS: \*Criminal justice

PB-214 913/6 NTIS Prices: PC\$3.75/MF\$0.95



Private Police in the United States - Findings and Recommendations.  
Volume 1

RAND Corp., Santa Monica, Calif. (296 600)

AUTHOR: Kakalik, James S., Wildhorn, Sorrel

C0484J2 FLD: 5K, 5D, 91C USGRDR7307

Feb 72 126p

REPT NO: R-869/DOJ

GRANT: LEAA-NI-70-057

MONITOR: LEAA-NI-PR-72-4

Prepared in cooperation with Munger, Tolles, Hills, and Rickershauser,  
Los Angeles, Calif.

Paper copy available from GPO \$1.25 as stock no. 2700-0137.

ABSTRACT: Findings and recommendations of a broad five part study of the nature, extent, problems, regulation, benefits and social impact of the private police sector are given. Volume 1 discusses the overall study to develop the conclusions and recommendations made. It explores the growth of private security services; examines the complementary versus competitive interactions between public and private forces; covers effectiveness, training, licensing, and regulation; and considers problems impacting both the private police industry and society. It outlines the legal aspects of the subject and presents the rationale underlying policy suggestions made.  
(Author)

DESCRIPTORS: (\*Private police, \*United States), Reviews, Effectiveness, Education, Licenses, Regulations, Policies, Public relations, Sociology

IDENTIFIERS: \*Private police, \*Private security services, Security systems

PB-214 682/7 NTIS Prices: PC-GPO/MF\$0.95-NTIS

## Police Guide on Organized Crime

Department of Justice, Washington, D.C. Office of Criminal Justice.  
C0482J2 FLD: 5K, 91C USGRDR7307

1972 54p

MONITOR: 18

Paper copy available from GPO 40.35 as stock no. 2700-0136.

**ABSTRACT:** A guide is presented to reinforce already existing departmental policies and procedures, emphasizing the importance of the patrolman in combating organized crime. In question and answer form, the manual briefly provides answers to such questions as: What is organized crime. How does it differ from street crime, from the 'organized' burglary ring. How does organized crime relate to your job. How would your job be easier if there were no organized crime. What are the major activities of organized crime. How can you observe signs of organized crime activity when on patrol. Do you have an obligation to report suspected organized crime operations. What constitutes a good report. How should a police officer handle corruption attempts generated by organized crime figures. (Author)

**DESCRIPTORS:** (\*Criminology, Manuals), (\*Police, Job analysis), Organizations, Criminal investigations

**IDENTIFIERS:** \*Organized crime

PB-214 584/5 NTIS Prices: PC-GPO/MF\$0.95-NTIS

The Deterrent Effectiveness of Criminal Justice Sanction Strategies

University of Southern California, Los Angeles. Public Systems  
Research Inst.

Final rept.

AUTHOR: Kobrin, Solomon, Lubeck, Steven G., Hansen, E. Wayne, Yeaman,  
Robert

C0482F4 FLD: 5K, 91C USGRDR7307

Sep 72 285p\*

GRANT: LEAA-NI-71-069-G

MONITOR: LEAA-NI-71-069

ABSTRACT: The study represents an important first step in an effort to subject to measurement the relationship between the sanctioning activities of criminal justice and the magnitude of the crime problem. Fifty eight county jurisdictions in California were studied for their differing practices for arrest, prosecution, conviction, and sentencing. The variations in sanctioning strategies were then analyzed in relation to the number and seriousness of reported felony crimes. The report details the methodology used and suggests important areas for further research efforts. (Author)

DESCRIPTORS: (\*Law enforcement, Methodology), California, Crimes, Statistical analysis, Police, Effectiveness, Human behavior

IDENTIFIERS: \*Criminal justice

PB-214 570/4 NTIS Prices: PC\$6.75/MF\$0.95

Volunteers in Law Enforcement Programs. Staff Study

Law Enforcement Assistance Administration, Washington, D.C.

C0481H3 FLD: 5K, 91C, 92C USGRDR7307

13 Oct 72 70p

MONITOR: 18

ABSTRACT: A review is made of citizen participation projects which donated manpower to police, court, corrections, and probation activities. Forty-two LEAA community involvement programs to cities and states are identified and volunteer recruitment and training procedures are reported.

DESCRIPTORS: (\*Law enforcement, \*Participative management), (\*Community relations, Law enforcement), Police, Criminology, Drugs, Juvenile delinquency, Family relations, Rehabilitation, Counseling, Objectives, Public relations

IDENTIFIERS: \*Volunteer service, \*Citizen participation, Probation programs, Courts of law

PB-214 529/0 NTIS Prices: PC\$3.00/MF\$0.95

An Inventory of Surveys of the Public on Crime, Justice and Related Topics

Bureau of Social Science Research, Inc., Washington, D.C. (069 150)

Final rept. Apr 70-Jul 72

AUTHOR: Biderman, Albert D., Oldham, Susan S., Ward, Sally K., Eby, Maureen A.

C0421G4 FLD: 5K, 91C USGRDR7306

Oct 72 464p

GRANT: LEAA-NI-72-019-G, LEAA-NI-71-098-G

MONITOR: LEAA-NI-PR-72-16

Paper copy available from GPO \$5.00 as stock no. 2700-00166.

ABSTRACT: The report is an inventory of applications of the sample interview survey method to studies of crime, delinquency, criminal justice, and law enforcement. Approximately 300 surveys by the major polling organizations and over 200 other surveys are indexed. The objective of the report was to review all surveys since 1965 which involved interviews or questionnaires administered to populations not chosen on the basis of a direct relationship to the criminal justice system. That is, studies of the opinions of policemen, prison inmates, prosecutors, etc. were excluded. Both published and unpublished surveys from the United States and several foreign countries are included in the inventory.

DESCRIPTORS: (\*Criminology, \*Public opinion), (\*Law enforcement, \*Questionnaires), (\*Sociopsychological surveys, Inventories), Interviews, Reviews, Surveys, Crimes, Juvenile delinquency, United States, Foreign countries, Police, Law(Jurisprudence)

IDENTIFIERS: Criminal justice

PB-214 420/2 NTIS Prices: PC-GPO/MF\$0.95-NTIS

Police Perspectives and Behavior in a Campus Disturbance

Ohio State Univ. Research Foundation, Columbus. (267 360)

C0414H2 FLD: 5K, 5J, 92B, 92C, 91C, 92D USGRDR7306

1972 173p\*

GRANT: LEAA-NI-71-032-G

MONITOR: LEAA-NI-032-G

ABSTRACT: The report presents an analysis of police perceptions of their response to a spring 1970 student disturbance at the state university. A questionnaire distributed to 499 Columbus, Ohio policemen served as a data base. A discussion of police attitudes and perceptions on such topics as themselves, their work, crowd behavior, and how students might relate to police behavior in stressful situations is presented. A comparison of the perceptions of the police with the perceptions of the press in this particular event is also made.

DESCRIPTORS: (\*Universities, Disturbances), (\*Police, \*Attitudes), (\*Conflict, Questionnaires), Behavior, Students, Group dynamics, Perception (Psychology), Comparison, Mass media, Stress (Psychology)

IDENTIFIERS: \*Campus disturbances, Civil disorder

PB-214 313/9 NTIS Prices: PC\$6.00/MF\$0.95

National Impact Program Evaluation: Project Evaluation Components

Mitre Corp., McLean, Va. (402 364)

AUTHOR: Gems, Sol, Katz, Ruth, Albright, Ellen, Jaffee, David

C0284G2 FLD: 5D, 5K, 91C, 92C USGRDR7304

Sep 72 129p

MONITOR: LEAA-NI-F19628-73-C-0001

ABSTRACT: The project evaluation components were compiled in an effort to assist the crime analysis team in each of the impact cities in the evaluation of the individual projects that will make up their impact program. The four examples included in the document are: A Methadone Maintenance Project, a Police Command-and-Control program, a Community-Based Rehabilitation Project and An Automated Court Calendaring System Project. (Author)

DESCRIPTORS: (\*Criminal investigations, \*Project planning), (\*Law enforcement, Urban areas), Command and control, Crimes, Police, Criminal law, Drug addiction, Rehabilitation, Scheduling, Law (Jurisprudence)

IDENTIFIERS: Methadone maintenance, Narcotic analgesics

PB-213 903/7 NTIS Prices: PC\$3.00/MF\$0.95

The Use of an Incident Seriousness Index in the Deployment of Police  
Patrol Manpower. Methods and Conclusions

Saint Louis Police Dept., Mo.

Final rept., 1 Jun-5 Nov 71

AUTHOR: Heller, Nelson B., McEwen, J. Thomas

CO122J2 FLD: 5I, 5D, 91C, 70D USGRDR7302

10 Feb 72 254p

CONTRACT: LEAA-NI-71-036

MONITOR: LEAA-NI-71-036G

ABSTRACT: The report is based on a study of measures of harm--amount of physical injury, property loss and intimidation--incurred by 9.827 victims of Part I crimes in St. Louis during a two month period. The seriousness index for rating crime was adapted from the quantitative index of delinquency developed by Sellin and Wolfgang, and was used as a yardstick for comparing the relative seriousness of crimes and traffic accidents, for police management analysis and resource allocation. Volume I describes the actual research and the author's conclusions. (Author)

DESCRIPTORS: (\*Police, Deployment), (\*Law enforcement, \*Information systems), (\*Personnel management, Police), Crimes, Motor vehicle accidents, Manpower utilization, Missouri

IDENTIFIERS: \*Crime seriousness, \*Management information systems, Saint Louis(Missouri)

PB-213 157/1 NTIS Prices: PC\$3.00/MF\$0.95



Computerized Allocation of Police Traffic Services. A Demonstration Study

Indiana Univ., Bloomington. Inst. for Research in Public Safety.

Final rept. 1 Dec 70-29 Feb 72

AUTHOR: Jones, Ralph K., Joscelyn, Kent B.

C0065E1 FLD: 13L, 13F, 56C, 91C, 91B, 85E USGRDR7301

15 Mar 72 158p\*

CONTRACT: DOT-NHTSA-034-1-039

MONITOR: DOT-HS-800 702

See also PB-215 026, and PB-215 027.

ABSTRACT: A study was conducted to develop and implement a computerized highway traffic information system (CHTIS) for use in allocating police traffic services. The information system utilized a computer-sensor system to gather, process, store and display traffic flow information from 25 key highway locations in Monroe County, Indiana. The resulting information was provided to a local Indiana State Police post for use in conducting traffic law enforcement operations. (Author)

DESCRIPTORS: (\*Vehicular traffic control, Allocation models), (\*Motor vehicle accidents, \*Law enforcement), (\*Vehicular traffic, \*Transportation management), Traffic regulations, Risk, Traffic safety, Decision making, Management systems, Operations research, Computer systems programs

IDENTIFIERS: Police resource allocation, Risk management, Management information systems, Computer aided analysis, CHTIS (Computerized Highway Traffic Information System), Computerized highway traffic information system

PB-213 025/1 NTIS Prices: PC\$6.00/MF\$0.95

Computerized Allocation of Police Traffic Services. Reference Volume  
I. Computer-Sensor System Description

Indiana Univ., Bloomington. Inst. for Research in Public Safety.

Final rept. 1 Dec 70-29 Feb 72

AUTHOR: Jones, Ralph K., Joscelyn, Kent B.

CO065E2 FLD: 13L, 13F, 56C, 91C, 91B, 85E USGRDR7301

15 Mar 72 206p

CONTRACT: DOT-NHTSA-034-1-039

MONITOR: DOT-HS-800 703

See also PB-213 027, and PB-213 025.

ABSTRACT: A study was conducted to develop and implement a computerized highway traffic information system (CHTIS) for use in allocating police traffic services. It was quickly and enthusiastically accepted by the police officials and was used regularly in assigning patrols so as to reduce traffic risks.  
(Author)

DESCRIPTORS: (\*Vehicular traffic control, Allocation models), (\*Motor vehicle accidents, \*Law enforcement), (\*Vehicular traffic, \*Transportation management), Traffic regulations, Risk, Traffic safety, Decision making, Management systems, Operations research, Computer systems programs

IDENTIFIERS: Police resource allocation, Risk management, Management information systems, Computer aided analysis, CHTIS (Computerized Highway Traffic Information System), Computerized highway traffic information system

PB-213 026/8 NTIS Prices: PC\$6.75/MF\$0.95

Computerized Allocation of Police Traffic Services. Reference Volume  
II. Accident Data Handbook

Indiana Univ., Bloomington. Inst. for Research in Public Safety.

Final rept., 1 Dec 70-29 Feb 72

AUTHOR: Jones, Ralph K., Joscelyn, Kent B.

C0065E3 FLD: 13L, 13F, 56C, 91C, 91B, 85E USGRDR7301

15 Mar 72 234p

CONTRACT: DOT-NHTSA-034-1-039

MONITOR: DOT-HS-800 704

See also PB-213 026, and PB-213 025.

ABSTRACT: A study was conducted to develop and implement a computerized highway traffic information system (CHTIS) for use in allocating police traffic services. The study recommends the establishment of a continuing traffic resource allocation laboratory utilizing a CHTIS and the initiation of a program to analyze the unique data base made available by the system. (Author)

DESCRIPTORS: (\*Vehicular traffic control, Allocation models), (\*Motor vehicle accidents, \*Law enforcement), (\*Vehicular traffic, \*Transportation management), Traffic regulations, Risk, Traffic safety, Decision making, Management systems, Operations research, Computer systems programs

IDENTIFIERS: Police resource allocation, Risk management, Management information systems, Computer aided analysis, CHTIS (Computerized Highway Traffic Information System), Computerized highway traffic information system

PB-213 027/6 NTIS Prices: PC\$6.75/MF\$0.95

Criminal Justice: The Consumer's Perspective

Yale Univ., New Haven, Conn. Dept. of Political Science. (407 135)

Final rept. 1 Sep 70-31 Aug 71

AUTHOR: Casper, Jonathan D.

A4795B3 FLD: 5K, 56G USGRDR7216

Feb 72 67p

CONTRACT: LEAA-NI-70-065-PG-4

MONITOR: LEAA-70-065-PG-4

Paper copy available from GPO \$0.35 as Stock no. SN 2700-0143.

ABSTRACT: The study surveyed social offender perceptions of the law and the legal process. The grantee interviewed two groups of respondents: convicts serving time in correctional institutions and persons originally charged with offenses but not serving prisons sentences. The report contains their opinions on their treatment by and relations with the police, their attorneys, and sentencing judges. The author makes general statements about offender opinions and quotes from specific interviews as well. (Author)

DESCRIPTORS: (\*Criminology, \*Social perception), Public opinion, Criminal law, Police, Interpersonal relations

IDENTIFIERS: \*Criminal justice, Social offenders, Prisoners

FB-210 605 NTIS Prices: PC-GPO/MF\$0.95

The Development of an Injury and Damage Reduction Function for  
Municipal Police

National Safety Council, Chicago, Ill. Research Dept.

Final rept. 30 Jun 70-15 Jul 71

AUTHOR: Planek, Thomas W., Fowler, Richard C., Driessen, Gerald J.,  
Ward, Darina, Chlapecka, Thomas

C0061L1 FLD: 5I, 13L, 91C, 56C, 83C USGRDR7301

Jul 71 449p

CONTRACT: LEAA-NI-70-058

MONITOR: LEAA-NI-70-058

ABSTRACT: The report presents the results of a data-collection effort designed to determine current injury and damage experience in municipal police departments. The purpose of this project was to define both vehicular and non-vehicular accident, injury and damage problems among municipal police and to recommend programs and methods designed to reduce them. Site visits were made to 10 departments and general survey questionnaires were completed by 118 departments to obtain data on injury and damage reduction programming. The grantee also collected supplemental data on injury and damage events and reviewed the literature on police and industrial safety activity. Recommendations for the establishment of an integrated injury and damage reduction function are presented.

DESCRIPTORS: (\*Injuries, \*Law enforcement), (\*Police, \*Accident prevention), Safety engineering, Urban areas, Surveys, Project planning, Questionnaires, Motor vehicle accidents, Recommendations

IDENTIFIERS: \*Law enforcement injuries, Nonvehicular damage, \*Offender handling, \*Pursuit accidents

PB-212 855/2 NTIS Prices: PC\$6.00/MF\$0.95

Police Background Characteristics and Performance

New York City-Rand Inst., N.Y. (406 204)

Summary rept.

AUTHOR: Cohen, Bernard, Chaiken, Jan M.

C0205A4 FLD: 5I, 70D, 91C USGRDR7303

May 72 40p\*

GRANT: LEAA-NI-71-030-G

MONITOR: LEAA-NI-71-C30-Summ

ABSTRACT: The study compares factors in the life history of 1,915 policemen appointed to the NYC Police Department in 1951 to their effectiveness in police work over the following decade: Measures of officers' performance on the job, available in the Department's personnel files, were used to determine the type of candidate who is likely to display specific patterns of performance. Questions focused on were: Can the addition of substitution of new selection instruments improve the predictive validity of this selection process; Is there a racial discrimination potential in the present procedures. (Author)

DESCRIPTORS: (\*Police, Performance evaluation), Performance standards, Personnel development, Personnel selection, Urban areas, New York

IDENTIFIERS: Background characteristics, New York City (New York)

PB-213 486/4 NTIS Prices: PC\$3.75/MF\$0.95

Police Background Characteristics and Performance

New York City-Rand Inst., N.Y. (406 204)

Final rept.

AUTHOR: Cohen, Bernard, Chaiken, Jan M.

C0061B3 FLD: 5I, 70D, 56C, 91C USGRDR7301

Aug 72 206p\*

REPT NO: R-999-DOJ

GRANT: LEAA-NI-71-030-G

MONITOR: LEAA-NI-71-030

ABSTRACT: The study compares factors in the life history of 1,915 policemen appointed to the New York City Police Department in 1951 to their effectiveness in police work over the following decade. Measures of officers' performance on the job, available in the Department's personnel files, were used to determine the type of candidate who is likely to display specific patterns of performance. Questions focused on were: Can the addition or substitution of new selection instruments improve the predictive validity of this selection process; Is there a racial discrimination potential in the present procedurals. (Author)

DESCRIPTORS: (\*Police, Performance evaluation), Performance standards, Personnel development, Personnel selection

IDENTIFIERS: Background characteristics

PB-212 813/0 NTIS Prices: PC\$6.75/MF\$0.95

A Study of the Information System of the Stillwater Police Department  
Oklahoma State Univ., Stillwater. Office of Engineering Research.

Final rept.

AUTHOR: Shamblin, James E., Auer, Thomas B.  
C0061B1 FLD: 5B, 5K, 56C, 91C, 70C USGRDR7301  
Aug 72 59p  
REPT NO: ER73-F-4  
GRANT: NSF-GT-34670  
MONITOR: 18

ABSTRACT: The study had dual objectives: to promote an interchange of ideas and effort between the academic community and city personnel (in this case, the Stillwater Police Department); and to develop a system of data accumulation, analysis and interpretation which would be useful in applying the concepts of selective law enforcement and maximize the use of limited police resources. (Author)

DESCRIPTORS: (\*Information systems, \*Police), Law enforcement, Personnel management, Urban areas, Data processing, Oklahoma

IDENTIFIERS: Stillwater(Oklahoma), \*Management information systems

PB-212 811/4 NTIS Prices: PC\$3.00/MF\$0.95



Allocations of Resources in the Chicago Police Department

Chicago Police Dept., Ill.

Final rept.

C0055E3 FLD: 5K, 5A, 56C, 91C USGRDR7301

Mar 72 222p\*

GRANT: LEAA-195

MONITOR: LEAA-PR-72-11

Also available from GPO \$1.75 as stock no. SN 2700-0151.

ABSTRACT: The report concerns the problems of allocating patrol resources geographically on a city-wide basis and functionally between response activity and preventative patrol. A resource analysis budget was developed which shows how financial assets of the Chicago Police Department are being applied toward police-community goals. Mathematical techniques of resource allocation and up-to-date incidents maps were used to forecast demands for police services and to determine the number of response units required by district and by time of day. An experiment was performed which used analytical methods to design both response and preventative patrol forces. The experiment proved that careful allocation of resources could result in the availability of blocks of time for the assignemnt of preventative patrol missions. (Author)

DESCRIPTORS: (\*Police, \*Management), Personnel management, Financial management, Budgeting, Illinois, Law enforcement

IDENTIFIERS: Resource allocations, Chicago (Illinois), \*Patrol assignments, \*Police patrols

PB-212 777/7 NTIS Prices: PC\$3.75/MF\$0.95

Selective Traffic Enforcement Manual

International Association of Chiefs of Police, Inc., Gaithersburg, Md.  
Highway Safety Div.

Final rept.

AUTHOR: Franey, William H., Darwick, Norman, Foberson, Frank D.

A5495J4 FLD: 5K, 5I, 13L, 56C, 91C USGRDR7224

Jan 72 182p\*

CONTRACT: DOT-HS-036-2-226

MONITOR: DOT-HS-800 701

ABSTRACT: Selective enforcement is that part of a traffic safety program which involves the planning, directing, implementing and evaluating of traffic law enforcement activity. The ultimate goal of selective enforcement is to reduce traffic accidents by systematically improving the manner in which available police manpower and equipment resources are used. The manual describes elements, standards, implementation, and manpower allocation of selective enforcement.

DESCRIPTORS: (\*Law enforcement, \*Traffic safety), (\*Police, \*Job analysis), Manuals, Personnel management, Motor vehicle accidents, Accident investigations, Selectivity

PB-212 614 NTIS Prices: PC\$6.00/MF\$0.95

'Pledging the Police': A Study of Selected Aspects of Recruit Socialization in a Large, Urban Police Department

California Univ Irvine Graduate School of Administration (407000)

Technical rept.

AUTHOR: Van Maanen, John

C0033F4 FLD: 5I, 70D, 91C USGRDR7301

Jul 72 289p\*

REPT NO: TR-9

CONTRACT: N00014-69-A-0200-9001

PROJECT: NR-151-315

MONITOR: 18

ABSTRACT: The report examines empirically and experientially the process of becoming a policeman. Specifically, the study documents attitude changes reported by police recruits as they moved through the series of experiences and adventures associated with their early careers. Questionnaires were administered longitudinally and cross-sectionally to police officers in a large, urban police department. The questionnaires focused upon the motivation, commitment and satisfaction of patrolmen. Viewed through the 'expectancy theory' perspective, these attitudes represent linkages by which people connect themselves to their employing organization. (Author)

DESCRIPTORS: (\*Police, \*Attitudes), (\*Job analysis, Police), Personnel management, Employment, Social psychology, Urban areas, Organizations, Motivation

IDENTIFIERS: Job satisfaction

AD-751 622 NTIS Prices: PC\$6.75/MF\$0.95

The Private Police Industry: Its Nature and Extent. Volume II

RAND Corp., Santa Monica, Calif. (296 600)

Final rept. 30 Jun 70-31 Dec 71

AUTHOR: Kakalik, James S., Wildhorn, Sorrel

A5313E4 PLD: 5K, 56C USGRDR7222

Feb 72 166p

REPT NO: R-870/DOJ

CONTRACT: LEAA-NI-70-057

MONITOR: LEAA-NI-PR-72-5

See also Volume 1, PB-209 813 and Volume 3, PB-212 084.

Paper copy available from GPO \$1.25 as stock no. 2700-0138.

ABSTRACT: The report is one volume of a five-volume study on the private police industry. The array of private security services and the types of security organizations and their powers and responsibilities are outlined. The factors spurring growth in this industry--rising crime, business losses, etc.--are discussed. The report examines gross trends in security employment expenditures; the purchase of private security services and equipment from the dual viewpoint of products and markets; the pros and cons of employing in-house security forces versus contracting for private police services; the relationship with public police departments; personnel matters, and the need for meaningful training programs for private security personnel.

DESCRIPTORS: (\*Police, Reviews), (\*Security, Police), Industrial plant protection, Organizations, Crimes, Management planning, Specialized training, Policies

IDENTIFIERS: \*Private police

PB-212 083 NTIS Prices: PC-GPO/MF\$0.95-NTIS

Current Regulation of Private Police: Regulatory Agency Experience  
and Views. Volume III

RAND Corp., Santa Monica, Calif. (296 600)

Final rept. 30 Jun 70-31 Dec 71

AUTHOR: Kakalik, James S., Wildhorn, Sorrel

A5313F1 FLD: 5K, 56C USGRDR7222

Feb 72 197p

REPT NO: R-871/DOJ

CONTRACT: LEAA-NI-70-057

MONITOR: LEAA-NI-PR-72-6

See also Volume 2, PB-212 083 and Volume 4, PB-212 085.

Paper copy available from GPO \$1.50 as stock no. 2700-0132.

ABSTRACT: The report deals with various aspects of the licensing and regulation of private police agencies. It describes and summarizes current licensing and regulation policies and practices for each state; provides a similar description and summary for 19 cities and counties which are subject to relatively strict regulation; presents and discusses the experience of regulatory agencies, with special emphasis on the problems of the private police industry and the sanctions imposed on it by regulatory agencies; and present views of regulatory agency directors on desirable changes in regulations. The study will be of particular interest to private security agencies, users, regulatory agencies, and police departments.

DESCRIPTORS: (\*Police, Reviews), (\*Security, Police), Regulations, Licenses, Personnel management, Specialized training, Equipment specifications, Weapons, State government, United States

IDENTIFIERS: \*Private police

PB-212 084 NTIS Prices: PC-GPO/MF\$0.95-NTIS

The Law and Private Police. Volume IV

RAND Corp., Santa Monica, Calif. (296 600)

Final rept. 30 Jun 70-31 Dec 71

AUTHOR: Kakalik, James S., Wildhorn, Sorrel

A5313F2 FLD: 5K, 56C USGRDR7222

Feb 72 93p

REPT NO: R-872/DOJ

CONTRACT: LEAA-NI-70-057

MONITOR: LEAA-NI-PR-72-7

See also Volume 3, PB-212 084 and Volume 5, PB-212 086.

Paper copy available from GPO \$1.00 as stock no. 2700-0140.

ABSTRACT: Volume 4 of the series discusses law as it relates to the private police industry. Included is a general discussion of the sources of legal limitations and powers of private police activities and personnel. Examined are specific legal problems arising from their impersonation of and confusion with public police, with particular emphasis on the wearing of uniforms and badges; their use of firearms; their directing and controlling of traffic; and the relationships between users and providers of private security services. The legal doctrines governing their particular security activities --searching private property; wiretapping and bugging; access to public police information; and the gathering of information on private citizens from third parties-- are evaluated and recommendations for improvement are offered.

DESCRIPTORS: (\*Police, Reviews), (\*Security, Police), Regulations, Administrative law, Organizations, Uniforms, Operations, Classifications, Problem solving, Law enforcement, Information systems

IDENTIFIERS: \*Private police, Illegal procedures

PB-212 085 NTIS Prices: PC-GPO/MF\$0.95-NTIS

Special-Purpose Public Police. Volume V

RAND Corp., Santa Monica, Calif. (296 600)

Rept. for 30 Jun 70-31 Dec 71

AUTHOR: Kakalik, James S., Wildhorn, Sorrel

A5313F3 FLD: 5K, 56C USGRDR7222

Feb 72 48p

REPT NO: R-873/DOJ

CONTRACT: LEAA-NI-70-057

MONITOR: LEAA-NI-PR-72-8

See also Volume 4, PB-212 085.

Paper copy available from GPO \$0.50 as stock no. 2700-0141.

ABSTRACT: Public police not having general law-enforcement responsibilities are described in the final volume of the series. Included are reserve police, campus police, and special-purpose federal forces such as narcotics, internal revenue and customs agents, immigration officers and postal inspectors. Two special local law-enforcement agencies--the New York City Transit Authority Police and the New York Public Housing Authority Police--are presented briefly. Readily-available aggregated data, including personal interviews with management personnel of many such organizations throughout the country, are incorporated.

DESCRIPTORS: (\*Police, Reviews), (\*Security, Police), Law enforcement, Specialized training, United States, Narcotics, Urban transportation, Residential buildings, Management, Interviews

IDENTIFIERS: Postal inspectors, \*Private police, \*Special purpose police, Immigration officers, Internal revenue agents, Customs agents

PB-212 086 NTIS Prices: PC-GPO/MF\$0.95-NTIS

A Study and Refinement of the Police Recruitment and Selection System  
(Commonwealth of Massachusetts). Volume I. Patrolman Job Analysis

Bio-Dynamics, Inc., Cambridge, Mass. (057 020)

Final rept.

AUTHOR: Budrose, Charles, Holmes, Marcellus III, Berns, Barbara,  
O'Shea, Maurice F., Duggar, Benjamin C.

C1733E3 FLD: 5I, 70D USGRDR7322

Dec 71 240p

MONITOR: CSC-71-265

ABSTRACT: The study makes an occupational analysis of the police patrol function (the entry-level position in the police career ladder), an examination of existing police selection criteria and process, and an examination of applicant recruitment practices, to serve as the basis of a revision of the police recruitment and selection system in Massachusetts. Functions of the police patrolman are divided into the categories of order maintenance, law enforcement, and public service; and a framework developed for delineating personal qualities, knowledge, and skills necessary to successful job performance.

DESCRIPTORS: (\*Police, \*Job analysis), (\*Law enforcement, \*Recruiting)  
, Personnel selection, Criteria, Classifications, Policies, Urban  
areas, Rural areas, Recommendations, Questionnaires, Massachusetts

IDENTIFIERS: Police<sup>s</sup> patrols, USCSC

PB-223 802/0 NTIS Prices: PC\$14.00/MF\$1.45



Responses to Collective Violence in Threat or Act. Volume II.  
Collective Violence in Actions by Extremist Groups

Human Sciences Research, Inc., McLean, Va. (173 250)

Final rept.

AUTHOR: Vestermark, S. D. Jr  
C0874A3 FLD: 5J, 92C, 91C, 92D USGRDR7312

Jul 71 284p

REPT NO: HSR-RR-71/8-Cy-Vol-2

CONTRACT: LEAA-NI-70-100

MONITOR: LEAA-NI-70-100-Vol-2

See also Volume 1, PB-220 072.

ABSTRACT: The report appraises research and development conducted during the period 1968 - 1970 on the role of law enforcement and criminal justice agencies in preventing and controlling collective violence both in educational institutions from grade schools to colleges and resulting from activities of extremist organizations and youth gangs. Volume 2 considers responses to violence which result from the action of extremist organizations and violence which results from the actions of urban and suburban youth gangs. (Author)

DESCRIPTORS: (\*Insurgency, \*Schools), (\*Law enforcement, Schools), Reviews, Control, Ethnic groups, Organizations, Responses, Emotions, Youths, Group dynamics, Manuals, Police, Universities, Urban areas

IDENTIFIERS: \*Campus violence, \*Collective violence, \*Extremist groups, LEAA

PB-220 073/1 NTIS Prices: PC\$3.00/MF\$0.95

A Longitudinal Study of Psychological Test Predictors and Assessments  
of Patrolman Field Performance

Chicago Police Dept., Ill.

Final rept. 30 Jun 69-31 Dec 70

AUTHOR: Furcon, John, Froemel, Ernest C., Franczak, Ronald G., Baehr,  
Melany E.

C0861A4 FLD: 5J, 5I, 92B\*, 91C, 70D USGRDR7312

1 Jun 71 297p\*

CONTRACT: LEAA-NI-69-010

MONITOR: LEAA-NI-69-010

ABSTRACT: Predictions made from original measures of job performance and test results (in 1966) were correlated with succeeding assessments of job performance made in 1967, 1968 and 1969. The correlations derived were used to estimate the stability and predictive validity of subjective and objective tests administered in 1966. Also studied were the use of racial group differences for predicting performance and the use of patrolman subgroups for predicting stability of performance.

DESCRIPTORS: (\*Police, \*Performance evaluation), (\*Psychological tests, Police), Assessments, Predictions, Personnel selection

IDENTIFIERS: LEAA

PB-218 834/0 NTIS Prices: PC\$6.75/MF\$0.95

A Police Administration Approach to the Corruption Problem

State Univ. of New York, Albany. School of Criminal Justice.

AUTHOR: Brown, William P.

C0782E4 FLD: 5K, 91C, 92C USGRDR7311

Aug 71 114p

MONITOR: 18

ABSTRACT: The report contributes to the study of police corruption. Analysis of the problem corruption includes a description of the societal and organizational framework within which corruption is permitted to thrive and the influences which shape its existence. Typologies are developed for different kinds of police corruption and for the victims of this corruption. The conclusions and recommendations treat police corruption as essentially a problem in police management, the solution to which is a series of programs and procedures to control police behavior and to reshape police attitudes.

DESCRIPTORS: (\*Police, \*Criminal psychology), (\*Law enforcement, Improvement), Management analysis, Classifications, Sources, Policies, Suggestions, Organizations, Community relations, Finance, Ethics, Attitudes, Reviews, Analyzing

IDENTIFIERS: \*Police corruption, LEAA

PB-218 936/3 NTIS Prices: PC\$3.00/MF\$0.95

The Utilization of Helicopters for Police Air Mobility

Law Enforcement Assistance Administration, Washington, D.C. National  
Inst. of Law Enforcement and Criminal Justice.

CO484E2 FLD: 5K, 91C USGRDR7307

Feb 71 97p

REPT NO: ICR-71-2

MONITOR: 18

Paper copy available from GPO \$0.45 as J1.36/2:71-2.

ABSTRACT: Law enforcement agencies which use helicopters were surveyed to ascertain the types of activities for which helicopters are used. While the main emphasis continues to be on traffic surveillance, speed law enforcement, traffic control, and search and rescue activities, other types of activities are becoming increasingly evident. These growing activity areas include air evacuation, air and water pollution control, emergency cargo transportation, riot control, narcotics detection, fire fighting and patrols for crime prevention. Included in the survey were the types and numbers of helicopters employed, their annual utilization rates, and the types of special law enforcement-related equipment installed. (Author)

DESCRIPTORS: (\*Law enforcement, \*Helicopters), (\*Police, Helicopters), Equipment, Cost effectiveness, Vehicular traffic control, Utilization, Evacuating (Transportation), Pollution, Cargo transportation, Narcotics, Fire fighting

IDENTIFIERS: Riot control

PB-214 662/9 NTIS Prices: PC-GPO/MF\$0.95-NTIS

Basic Elements of Intelligence. A Manual of Theory, Structure and Procedures for Use by Law Enforcement Agencies Against Organized Crime

Department of Justice, Washington, D.C. Office of Criminal Justice.

AUTHOR: Godfrey, E. Drexel, Harris, Don R.

C0483J1 FLD: 5K, 91C, 92B USGRDR7307

Nov 71 163p\*

MONITOR: 18

ABSTRACT: Any city whose population includes the rich or poor is a target for organized crime. Law enforcement must organize to combat this threat, particularly in light of the increasingly sophisticated techniques and complex financial operations which have become the hallmark of organized crime. The authors draw on their extensive experience in intelligence as well as consultations with other practitioners. They state that the primary purpose of an intelligence unit is to provide accurate, thorough information to those who must make both immediate tactical decisions and plan for longer range strategies. For example, specialists in such fields as law and accounting work with men trained to investigate and analyze information from a variety of sources. Police patrolmen, informants, public records and financial reports are all useful to data collection and evaluation, while adequate office security arrangements and sufficient clerical support are equally important to the integrity and efficiency of intelligence units. Principles of selecting and training the necessary personnel are discussed as are methods of information storage and retrieval. The appendices include a discussion of legal limitations of intelligence gathering, detailed operational guidelines for a unit, and bibliography. (Author)

DESCRIPTORS: (\*Intelligence, Manuals), (\*Law enforcement, Intelligence), Police, Theories, Crimes, Management, Strategic intelligence, Tactical intelligence

IDENTIFIERS: \*Organized crime

PB-214 632/2 NTIS Prices: PC\$4.50/MF\$0.95

Private Police in the United States: Findings and Recommendations,  
Volume I

RAND Corp., Santa Monica, Calif. (296 600)

Final rept. 30 Jun 70-31 Dec 71

AUTHOR: Kakalik, James S., Wildhorn, Sorrel

A4655H3 FLD: 5K, 56C USGRDR7215

Dec 71 126p

REPT NO: R-869-DOJ

CONTRACT: LEAA-NI-70-057

MONITOR: LEAA-NI-PR-72-4

Paper copy available from GPO \$1.25 as stock no. 2700-0137.

ABSTRACT: The report is the summary of a five-volume study of the private police industry in the United States. The study describes the nature and extent of the private security industry, its problems, its present regulation, and how the law applies to it. It also evaluates the benefits, costs, and risks to society of current private security operations and proposes preliminary policy and statutory guidelines for improving its future operations and regulation. The study will be of particular interest to private security agencies, users, government regulatory agencies, and police departments. (Author)

DESCRIPTORS: (\*Police, Reviews), (\*United States, Police), Security, Licenses, Specialized training, Administrative law, Control

IDENTIFIERS: \*Private police

PB-209 813 NTIS Prices: PC-GPO/MF\$0.95-NTIS

Dayton/Montgomery County Criminal Justice Pilot Cities Program

Community Research, Inc., Dayton, Ohio.

Rept. for 1 Jul 70-31 Dec 71 on Phase 1.

A4884E1 FLD: 5K, 13B, 56C, 53G USGRDR7217

Jan 72 19p\*

GRANT: LEAA-NI-70-092

MONITOR: LEAA-NI-70-092

ABSTRACT: The report covers the first 18 months of a projected five-year criminal justice pilot cities program operating in the Dayton, Ohio metropolitan area. The program, sponsored by the LEAA in cooperation with local community administrators, seeks to make comprehensive improvements in the criminal justice systems in eight selected pilot cities. This report, which covers in some detail the planning for the Dayton project, emphasizes the value of establishing good working relationships between the pilot city team and local government administrators to facilitate implementation of proposed improvements. The report also outlines the systems analysis approach adopted by the projected team. Research activities undertaken include a study of apprehension time for the Dayton Police Department and development of a juvenile justice system model to improve the effectiveness of the city's juvenile justice system.

DESCRIPTORS: (\*Law enforcement, Urban planning), (\*Criminology, \*Ohio), Projects, Police, Juvenile delinquency, Research management, Information systems, Cooperation, System analysis, Models

IDENTIFIERS: \*Criminal justice, \*Dayton (Ohio), Programming planning budgeting, \*Montgomery County (Ohio)

PB-210 632 NTIS Prices: PC\$3.00/MF\$0.95

Nonlethal Weapons for Law Enforcement. Research Needs and Priorities  
Security Planning Corp., Washington, D.C.

Final rept.

AUTHOR: Sagalyn, Arnold, Labovitz, John R., Labovitz, Peter C.,  
Sagalyn, Louise, Van de Mark, George

A4542I2 FLD: 5K, 56C USGRDR7274

Mar 72 70p\*

GRANT: NSF-C696

MONITOR: NSF-JC-1

See also report dated Nov 67, AD-661 041.

ABSTRACT: Many contend that providing an officer with a less-than-lethal alternative to the firearm will increase the flexibility and effectiveness of law enforcement, and decrease the possibility of serious injury in situations where the threat is of a less-than-lethal nature. Within this frame of reference, the conference and the workshops had two objectives: To review the problems and policy issues concerning nonlethal weapons for law enforcement and related uses; and to develop recommendations for research and development priorities for addressing these technical and policy issues. (Author)

DESCRIPTORS: (\*Law enforcement, \*Weapons), (\*Police, Law enforcement),  
Injuries, Risk, Antipersonnel agents

IDENTIFIERS: \*Nonlethal weapons

PB-209 635 NTIS Prices: PC\$4.50/MF\$0.95



On Improving Police-Community Relations: Findings from the Conduct and Evaluation of an OEO-Funded Experiment in Washington, D.C

American Institutes for Research, Kensington, Md. (406 998)

Final rept.

AUTHOR: Kelly, Nita Mae

A4234F4 FLD: 5K, 56C, 56N USGRDR7211

Jan 72 33p\*

CONTRACT: OEO-BOO-5133

MONITOR: OEO-LN-1041

ABSTRACT: The paper describes a pilot program to improve police-community relations and discusses basic principles to guide future research and programs. (Author)

DESCRIPTORS: (\*Police, \*Community relations), Project planning, District of Columbia, Law enforcement

IDENTIFIERS: \*Police community relations

PB-208 557 NTIS Prices: PC\$3.00/MF\$0.95

The Pilot Police Project: A Description and Assessment of a  
Police-Community Relations Experiment in Washington, D.C

American Institutes for Research, Kensington, Md. (406 998)

Final rept.

AUTHOR: Kelly, Rita Mae, Dockett, Doris, Farber, Martin, West, Garmon  
Jr, Gray, Cheryl

A4151J1 FLD: 5K, 56N USGRDR7210

Jan 72 468p

CONTRACT: OEO-BOO-5133

MONITOR: OEO-LN-1040

ABSTRACT: A study was made to review the literature of  
police-community relations and to assess the effectiveness of a pilot  
project in improving police-community relations in the Third Police  
District of Washington, D.C. (Author)

DESCRIPTORS: (\*Police, \*Community relations), District of Columbia,  
Law enforcement, Effectiveness, Projects

PB-208 157 NTIS Prices: PC\$6.00/MF\$0.95

Job Attitudes of Police

Baruch Coll., New York. Dept. of Psychology.

Final rept.

AUTHOR: Lefkowitz, Joel

A3334J1 FLD: 5J, 56K USGRDR7202

Aug 71 169p\*

CONTRACT: LEAA-NI-70-065-PG-12

ABSTRACT: The study assesses the job attitudes of the 425 sworn patrolmen and command personnel of the Dayton, Ohio Police Department and relates these attitudes to items of personal history data. Attitudes measured were: job satisfaction, job involvement, supervisory attitudes, cynicism, rigidity, attitudes toward Negroes, etc. The aim is to establish a basis for comparison with other occupational groups. (Author)

DESCRIPTORS: (\*Police, \*Job satisfaction), Attitudes, Psychometrics, Supervision, Group psychology, Ethnic groups, Adjustment (Psychology), Questionnaires, Background, Job analysis

IDENTIFIERS: Job attitudes

PB-204 268 NTIS Prices: PC\$3.00/MF\$0.95

Responses to the Police Uniform: A Study of the Effect of the  
Civilian Blazer in Police Work

Stetson Univ., DeLand, Fla. (388 671)  
AUTHOR: Wiley, Ronald E., Cochran, C. D.  
A3122D4 FLD: 5I, 5K, 56C, 56K USGRDR7123  
1971 137p  
MONITOR: LEAA-NI-70-065-PG-18

ABSTRACT: The primary objective of the study was to determine the relationship between the physical appearance of police officers and the emotional responses of persons coming in contact with the officers. The idea was to conduct laboratory experiments to investigate whether the type of clothing worn by police officers has any measurable variations on the perceptions and attitudes of citizens. The major finding in the study is that it is advisable for officers to use a uniform that is designed flexibly and can convey the civilian impression under certain circumstances and the more traditional police-type impression under other circumstances.

DESCRIPTORS: (\*Public opinion, Uniforms), (\*Uniforms, \*Police), Attitudes, Responses, Clothing, Psychology, Law enforcement, Correlations

IDENTIFIERS: Civilian blazers

PB-203 547 NTIS Prices: PC\$3.00 MF\$0.95

A Study of the Effects of Law Enforcement on Traffic Flow Behavior  
Indiana Univ., Bloomington. Inst. for Research in Public Safety.

Final rept., 1 Jan-31 Dec 70

AUTHOR: Joscelyn, Kent B., Bryan, Thomas H., Goldenbaum, Donald M.

A2712D4 FLD: 5D, 13L, 56C, 53F USGRDR7118

Jan 71 270p\*

CONTRACT: FH-11-7476

MONITOR: FH-11-7476-71-1

ABSTRACT: Results of a study on the reactions of traffic flow to police vehicle stimuli are presented. Both moving and stationary state police vehicles were used in the examination to determine their effects on a variety of traffic flow measures. Six stationary enforcement vehicle configurations, representing various intensities of police activity, were included. A special computer-sensor system was used to collect and to store traffic flow data. Both mean speed and percentage of speed violators were affected by the enforcement vehicles. In terms of absolute reductions in these measures, the immediate effects were more pronounced for the more-threatening, than for the less-threatening, stationary vehicle configurations. (DOT abstract)

DESCRIPTORS: (\*Vehicular traffic control, \*Law enforcement), (\*Police, Psychological effects), (\*Vehicular traffic, Behavior), Responses, Data acquisition, Detectors, Computer programming, Law enforcement, Statistical data, Traffic safety, Factor analysis, Psychological effects

IDENTIFIERS: Police vehicles

PB-201 647 NTIS Prices: PC\$3.00 MF\$0.95

Perceptions of the Police in a Black Community. Volume 1 - Summary  
and Conclusions

Research Analysis Corp., McLean, Va. (302 750)

Client rept.

AUTHOR: Wallach, Irving A., Carter, Colette C.

A2234B3 FLD: 5K, 5J, 56N, 56C USGRDR7113

Jan 71 31p\*

REPT NO: RAC-CR-25-Vol-1

CONTRACT: OEO-B99-5018

MONITOR: OEO-LN-890

See also Volume 2, PB-199 165.

ABSTRACT: A description and analysis are given of how a cross section of residents in an urban Negro community perceive the police, and their activities and behavior. The point of view of these residents is contrasted with that of the local police who function in the same community. The community studied is the Western Police District of the city of Baltimore. Data were gathered in late 1969 and early 1970. (Author)

DESCRIPTORS: (\*Community relations, \*Negroes), (\*Police, Urban areas), Attitudes, Opinions, Sociopsychological surveys, Behavior, Analyzing, Criminology, Maryland, Age

IDENTIFIERS: Police dogs, Hostility, \*Police citizen interactions, Baltimore(Maryland)

PB-199 164 NTIS Prices: PC\$3.00 MF\$0.95

Perceptions of the Police in a Black Community. Volume II

Research Analysis Corp., McLean, Va. (302 750)

Client rept.

AUTHOR: Wallach, Irving A., Carter, Colette C.

A2234B4 FLD: 5K, 5J, 56N, 56C USGRDR7113

Jan 71 279p\*

REPT NO: RAC-CR-25-Vol-2

CONTRACT: OEO-B99-5018

MONITOR: OEO-LN-891

See also Volume 1, PB-199 164.

ABSTRACT: A description and analysis of how a cross section of residents in an urban Negro community perceive the police, and their activities and behavior. The point of view of these residents is contrasted with that of the local police who function in the same community. The community studied is the Western Police District of the City of Baltimore. Data were gathered in late 1969 and early 1970.  
(Author)

DESCRIPTORS: (\*Community relations, \*Negroes), (\*Police, Urban areas), Attitudes, Opinions, Demography, Criminology, Interactions, Behavior, Problem solving, Public relations, Socioeconomic status, Maryland

IDENTIFIERS: \*Police citizen interactions, Police brutality, Citizen prejudice, Hostility

PB-199 165 NTIS Prices: PC\$3.00 MF\$0.95

The Professionalization of the Police: An Essay on the Limitations of Institutional Change in Urban America, 1890-1970

Massachusetts Inst. of Tech., Cambridge. Urban Ghetto Study Program.

AUTHOR: Fogelson, Robert M.

C2143B3 FLD: 5I, 91C, 86K USGRDR7404

1970 28p

GRANT: EDA-OER-228-G-68-14

MONITOR: EDA/OER-73-182

ABSTRACT: The paper is a history of the development of a professional, bureaucratic police department in the city of New York. Beginning in 1890, with a department ruled by precinct captains and manned by politically approved patrolmen with minimal expertise, it traces the effects of various reform movements aimed at separating the influence of the police from that of organized crime and political machines.

DESCRIPTORS: \*Police, \*Local government, \*Organizing, \*New York, Reviews, Organizations, History, Revisions, Development

IDENTIFIERS: Bureaucracies, EDA

COM-74-10028/1 NTIS Prices: PC\$3.50/MF\$1.45



Police Training and Performance Study

New York City Police Dept., N.Y.

AUTHOR: McManus, George P., Griffin, John I.

C0573J1 FLD: 5I, 5K USGRDR7308

Sep 70 247p

GRANT: LEAA-339

MONITOR: LEAA-NI-PR-70-4

Paper copy available from GPO \$2.25 as J1.36:70-4.

ABSTRACT: A total educational experience for the police officer is emphasized and presented in this study of NYCPD. The relationship between education and training is clarified for the purpose of creating police departments which are in step with the community expectations of them. A humanistic yet practical curriculum is proposed which endeavors to demonstrate to the recruit the relevance of the following areas of learning - behavioral and social sciences, law education to the practical training in firearms and physical training. The police training program must be a complete educational experience. The overall effectiveness of training minus the total educational experience is examined and criticized. (Author)

DESCRIPTORS: (\*Police, \*Specialized training), (\*Education, Police), New York, Effectiveness, Performance evaluation, Ethics

IDENTIFIERS: New York City (New York)

PB-214 791/6 NTIS Prices: PC-GPO/MF\$0.95-NTIS

## Police-Community Relations Training

Law Enforcement Assistance Administration, Washington, D.C.

AUTHOR: Cizon, Francis A., Smith, William H. T.

A4982F2 FLD: 5I, 5K, 56N USGRDR7218

Jan 70 54p\*

ABSTRACT: High priority of police-community relations has led to the development of special training for urban policemen at all levels. Because of supreme court decisions on police practices, police officers across the country are looking at their roles within the communities they serve. The necessity for the police to maintain a balance between the security of the community and individual rights, and to work with the community has led to specialized training in this field. Three programs are discussed, and conclusions and suggestions are drawn for the most efficient method of presenting a program of community relations training.

DESCRIPTORS: (\*Police, \*Community relations), (\*Specialized training, Police), Public relations, Law enforcement, Interactions, Attitudes, Project planning, Reviews, Effectiveness, Recommendations

PB-211 153 NTIS Prices: PC\$3.00/MF\$0.95

Computer Assisted Instruction Program for Police Training

Coast Community Coll. District, Costa Mesa, Calif.

Final rept.

AUTHOR: Brightman, Richard W.

A4134J1 FLD: 5I, 56E USGRDR7210

Dec 71 64p

MONITOR: LEAA-NI-PR-71-5

Sponsored in part by Law Enforcement Assistance Administration,  
Washington, D.C. National Inst. of Law Enforcement and Criminal  
Justice.

Paper copy available from GPO \$0.35 as stock no. 2700-0081.

ABSTRACT: The primary objectives of Project CALCOP were to: develop a computer-assisted instruction (CAI) program for teaching police students rules of evidence and search and seizure principles, and compare a CAI procedure for teaching these areas of police knowledge with the more traditional academic approach used in a police academy. Matched groups of subjects spent comparable amounts of time learning search and seizure principles and rules of evidence by using a CAI program and an independent study guide at Golden West College and by conventional classroom instruction at the Los Angeles Police Academy. The group which was taught by the CAI approach performed significantly better than the conventional instruction group on each of three tests conducted at the end of the training period. (Author)

DESCRIPTORS: (\*Programmed instruction, \*Police), Education

IDENTIFIERS: Computer aided instruction, CALCOP project

PB-207 718 NTIS Prices: PC-GPO/MF\$0.95-NTIS

Portable Police Pensions - Improving Inter-Agency Transfers

College of Insurance, New York.

A4134I4 FLD: 5I, 70D USGRDR7210

Dec 71 89p

CONTRACT: LEAA-NI-70-072

MONITOR: LEAA-NI-70-072

Paper copy available from GPO \$0.45 as stock no. 2700-0082.

ABSTRACT: The objective of the study was to improve opportunities for inter-departmental transfer of policemen by providing for the portability of police pension rights throughout the United States. Appropriate pension plan documents, both as to individual police departments and statewide systems, and nationwide systems outside the police field were examined. The relative merits of various methods of achieving nationwide portability were examined and a single best method was recommended. (Author)

DESCRIPTORS: (\*Police, \*Personnel management), (\*Pensions, Transferring), Benefit plans, Retirement

PB-207 716 NTIS Prices: PC-GPO/NF\$0.95-NTIS

Guidelines for Examining and Constructing Police Career Path Programs

American Institutes for Research, Silver Spring, Md. (023 846)

Final rept. 1 May 70-30 Jul 71

AUTHOR: Sheppard, David I., Glickman, Albert S.

A3913H2 FLD: 5I, 70D USGRDR7208

Jul 71 45p\*

REPT NO: AIR-R71-3, AIR-20061-7/71-FR-2

CONTRACT: LEAA-NI-70-041

MONITOR: LEAA-NI-70-041B

See also report dated Jul 71, PB-207 313.

ABSTRACT: The report offers guidelines for examining the career structure existing within a police agency and for developing a career path model. The grantee carried out its research in the St. Louis Police Department where personnel records were examined, officers interviewed, and questionnaires administered. American Institutes for Research collected information on personnel flow, career fields, career development programs, and future police roles. While many of the suggestions relate particularly to the St. Louis Police Department, these guidelines were designed for broad applicability.  
(Author)

DESCRIPTORS: (\*Police, Personnel management), (\*Personnel development, Police), Projects, Interviews, Questionnaires, Urban areas, Placement, Employment

IDENTIFIERS: Career development programs, Career path models, St

FB-207 317 NTIS Prices: PC\$3.00/MF\$0.95

A Method for Constructing Career Paths to Meet Requirements of Tomorrow's Police Force

American Institutes for Research, Silver Spring, Md. (023 846)

Final rept. 1 May 70-30 Jul 71

AUTHOR: Sheppard, David I., Glickman, Albert S.

A3913G2 FLD: 5I, 70D USGRDR7208

Jul 71 156p\*

REPT NO: AIR-R71-2, AIR-20061-7/71-FR-1

CONTRACT: LEAA-NI-70-041

MONITOR: LEAA-NI-70-041A

See also report dated Jul 71, PB-207 317.

ABSTRACT: The project was conducted to develop and demonstrate a method for building improvements into the career program of a police department so that career paths will incorporate requirements for change to meet future needs in police work. The methods, findings and recommendations for this study were developed at one demonstration site, the St. Louis Metropolitan Police Department, and were conceived, carried out and described in a manner to encourage other cities to adapt components and methods of the proposed career programs. (Author)

DESCRIPTORS: (\*Police, Personnel management), (\*Personnel development, Police), Projects, Interviews, Questionnaires, Urban areas

IDENTIFIERS: Career development programs

PB-207 313 NTIS Prices: PC\$3.00/MF\$0.95

Aids to Decisionmaking in Police Patrol: An Overview of Study Findings

Rand Corp Santa Monica Calif (296600)  
AUTHOR: Kakalik, James S., Wildhorn, Sorrel  
A3863K3 FLD: 5I, 70D USGRDR7208  
Mar 71 13p\*  
REPT NO: P-4614

ABSTRACT: With increasing demands on limited local government funds, there is a growing need for effective aids to decisionmaking in determining: Proper patrol force strength; Equitable and effective distribution of patrol services by police district and tour of duty; Effective operational policies and tactics for police patrol. The paper summarizes the findings of a five-month study of police patrol conducted as part of a broader study on the allocation and deployment of municipal services. (Author)

DESCRIPTORS: (\*Police, Urban areas), (\*Management engineering, Police), Reviews, Deployment, Effectiveness, Criminology, Federal budgets, Personnel

IDENTIFIERS: Police patrol, Police law enforcement, Police management

AD-738 054 NTIS Prices: PC\$3.00/MF\$0.95

Violence Control and the Selfish Urbanite

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Miller, Richard A.

C2353H3 FLD: 5K USGRDR7407

8 Mar 71 17p

MONITOR: 18

ABSTRACT: The study examines popular support for police actions during periods of urban violence and how to achieve support. The forces of law and order, police or troops, use various techniques to win this support but one powerful and basic trait of human nature is not sufficiently exploited. This trait is human selfishness or self-interest. The essay examines the significance of this trait and possible circumstances under which it can be used. (Author)

DESCRIPTORS: \*Urban areas, \*Police, \*Counterinsurgency, Behavior, Conflict

IDENTIFIERS: Civil disorders, A

AD-773 540/0 NTIS Prices: PC\$4.00/MF\$1.45



Police Air Mobility: STOL Evaluation, Phase I

Cornell Aeronautical Lab., Inc., Buffalo, N.Y. (098 300)

Final technical rept.

AUTHOR: Kidder, Allen R., Zobel, Sigmund P.

A3201D4 FLD: 5K, 1C, 56C USGRDR7124

30 Sep 70 166p

REPT NO: CAL-VY-2901-G-2

GRANT: LEAA-NI-70-006, LEAA-NI-71-038

ABSTRACT: The purpose of the study was to evaluate the effectiveness of a short take-off and landing (STOL) aircraft in routine police patrol, and compare it with a helicopter in mission effectiveness. The project included planning for weeks of operational testing; however, one week was eliminated due to a civil disturbance in the Miami area. The study resulted in the development of preliminary guidelines which might be used in evaluation of grant applications for police air mobility programs, and in data requirements for the evaluation. The report also describes the way the helicopter and STOL were used to augment the police department's response to the civil disturbance. (Author)

DESCRIPTORS: (\*Law enforcement, \*Short takeoff aircraft), (\*Police, Airmobile operations), Effectiveness, Helicopters, Standards, Evaluation, Florida

IDENTIFIERS: Civil disorders, Dade County(Florida)

PB-203 722 NTIS Prices: PC\$3.00 MF\$0.95

The Police Function in a Negro Community. Volume I. Summary and Conclusions

Research Analysis Corp., McLean, Va. (302 750)

Client rept.

AUTHOR: Wallach, Irving A.

A1552A2 FLD: 5I, 5K, 56C, 56L USGRDR7105

Aug 70 23p\*

REPT NO: RAC-CR-19-Vol-1

See also Volume 2, PB-196 763.

ABSTRACT: The report presents a description of how one Negro ghetto community is policed, and an analysis of some of the factors which influence or determine why the community is policed in this manner--from the perspective of the police. The community studied was the Western Police District of the City of Baltimore. Data were gathered by a single investigator, primarily by participant observation, interviews, and the use of key informants during the October 1968 through September 1969 time period. The purpose of the study was to describe for a specific Negro community: How and by whom the community is policed; the community and police environment within which policing takes place; the rationale underlying police efforts; and factors influencing police operations and behavior. The Western District can be described in overall terms as a small, heterogeneous, densely populated, primarily residential, high crime, all Negro area. (Author)

DESCRIPTORS: (\*Police, Community relations), (\*Officer personnel, Behavior), (\*Law enforcement, Maryland), Operations, Behavior, Responses, Pattern recognition, Crimes, Organizations

IDENTIFIERS: Ghettos, Negro communities, Hostility, Baltimore(Maryland), High crime areas

PE-196 762 NTIS Prices: PC\$3.00 MF\$0.95

The Police Function in a Negro Community. Volume II

Research Analysis Corp., McLean, Va. (302 750)

Client rept.

AUTHOR: Wallach, Irving A.

A1552A3 FLD: 5I, 5K, 56C, 56L USGRDR7105

Aug 70 194p\*

REPT NO: RAC-CR-19-vol-2

See also Volume 1, PB-196 762.

ABSTRACT: Recent dramatic increases in crime and civil disorder have focused increased attention upon the police, not all of which has been favorable. Nevertheless, almost all elements of our society recognize the need for social control, and that the performance of the control function affects their daily lives. The purpose of the research was to develop - through empirical investigation a first-hand understanding of the police function and its implementation in a Negro community, from the police perspective. The community selected for study was the Western Police District of the city of Baltimore. This community was selected because it met three criteria: it was essentially an all-Negro community; it had a high crime rate; and it was policed by a racially mixed police force. The objectives of the research were: to describe the Western District as it appeared to the police; to describe police roles, functions, and activities in the District; and to present a description of the police behavior patterns involved in policing the community. (Author)

DESCRIPTORS: (\*Police, Community relations), (\*Officer personnel, Behavior), (\*Law enforcement, Maryland), Urban areas, Operations, Attitudes, Organizations, Pattern recognition, Crimes, Responses

IDENTIFIERS: Ghettos, Negro communities, High crime areas, Baltimore(Maryland)

PB-196 763 NTIS Prices: PC\$3.00 MF\$0.95

The Use of Probability Theory in the Assignment of Police Patrol Areas

Edina Police Dept., Minn.

Final rept.

AUTHOR: Bennett, Wayne, DuBois, John R.

A1314F2 FLD: 5I, 56C USGRDR7102

Jul 70 58p\*

GRANT: LEAA-235

MONITOR: LEAA-NI-PR-70-2

Prepared in cooperation with North Star Research and Development  
Inst., Minneapolis, Minn.

ABSTRACT: The primary goal of the project was to develop a system of random patrol that would reduce the time required for a police officer to respond to a call. If the patrol areas are assigned to cars on a random basis, probability theory predicts that patrol cars will be closer to the point of need when they are requested than under any other system of patrol assignment. Another desired product of the project was to develop a model patrolling technique that, in addition to serving as the patrolling method for this project, would also be suitable for use by other police departments. Results were attributed to an intense competition that developed between those officers who were on routine patrol and those on random patrol. (LEAA abstract)

DESCRIPTORS: (\*Police, Department), (\*Law enforcement, Probability theory), Randomization, Performance evaluation, Effectiveness, Time, Mathematical models

IDENTIFIERS: Police patrols, Area assignments, Random patrol, Routine patrol

PB-195 856 NTIS Prices: PC\$3.00 MF\$0.95

AN ECONOMIC ANALYSIS OF THE DISTRIBUTION OF POLICE PATROL FORCES

Miami Univ., Oxford, Ohio. Dept. of Economics.

Final rept.

AUTHOR: Giertz, J. Fred

A1155L2 FLD: 5K, 56C USGRDR7024

1 Apr 70 127p\*

CONTRACT: LEAA-NI-69-080

MONITOR: LEAA-NI-69-080

ABSTRACT: The purpose of the study is to use the techniques of economic analysis to investigate the distribution of police among the various districts of a city. Police protection refers to resources used primarily for the purposes of crime control and prevention. The study deals primarily with police patrol activities since this is the most important type of preventive activity. The first section analyzes the existing distribution of police and index crimes in the city of Chicago, investigating the relationship between the number of police and the amount of crime in a given district and the relevant demographic and economic characteristics of the area. The second section deals with various alternative distribution plans in several precincts in the city of Los Angeles which might be used by police administration and their implications. A decision model is established utilizing the hypothesized preventive effect on crime of police patrol to analyze the various plans. A more precise measure of the benefits of police protection is set forth involving the reduction in the cost of index crimes to society. (LEAA abstract)

DESCRIPTORS: (\*Crimes, Prevention), (\*Police, Deployment), (\*Criminology, Statistical analysis), Economic analysis, Statistical distributions, Urban areas, Demography, Correlation techniques, Benefit cost analysis, Management planning, Illinois, California

IDENTIFIERS: Management information systems, Chicago(Illinois), Los Angeles(California)

FB-194 985 NTIS Prices: HC\$3.00 MF\$0.65

A STUDY OF THE PROBLEM OF HOT PURSUIT BY THE POLICE

Center for the Environment and Man, Inc., Hartford, Conn.

AUTHOR: Fennessy, Edmund F., Hamilton, Thomas, Joscelyn, Kent B.,  
Merritt, John S.

A0921L4 FLD: 5D, 5K, 56C, 85E USGRDR7021

Jul 70 260p\*

REPT NO: CEM-4022-409

CONTRACT: FH-11-7220

MONITOR: DOT-HS-800 275

ABSTRACT: The document covers police 'hot pursuit' of fleeing drivers, an active attempt by a law enforcement officer in a patrol car to apprehend occupants of a moving motor vehicle, when the driver of the vehicle is resisting apprehension. The purpose is to determine the nature and magnitude of the hot pursuit problem nationally and to prepare guidelines to assist the police in dealing with it. (Author)

DESCRIPTORS: (\*Law enforcement, Highways), (\*Motor vehicle operators, Evasion), (\*Police, Traffic safety), Law (Jurisprudence), Policies, Motor vehicle accidents, Statistical data, Countermeasures, Criminology

IDENTIFIERS: \*Police pursuit policies, Vehicle pursuit, Traffic violations

PB-194 202 NTIS Prices: HC\$3.00 MF\$0.65

SUPPLEMENT TO THE PROCEEDINGS OF CARNAHAN CONFERENCE OF ELECTRONIC  
CRIME COUNTERMEASURES, HELD AT CARNAHAN HOUSE, KENTUCKY UNIVERSITY,  
LEXINGTON, APRIL 16-18, 1970

Kentucky Univ., Lexington. Coll. of Engineering. (402 333)

A0845C2 FLD: 5K, 56C USGRDR7020

Jun 70 25p

REPT NO: Bull-92-Suppl.

Sponsored in part by Kentucky Commission on Law Enforcement and Crime  
Prevention. Prepared in cooperation with the Institute of Electrical  
Engineers. See also PB-190 589. Paper copy available from Office of  
Research and Engineering Services, Publication Services, College of  
Engineering, University of Kentucky, Lexington, Ky. 40506 Free.

ABSTRACT: Contents: Handsfree emergency reporting; Signal attenuation  
for passenger vehicles between 0.1 and 1.0 GHz; Louisville police  
experimental alarm system; A checkless society or an unchecked  
society.

DESCRIPTORS: (\*Criminology, \*Symposia), Electronic countermeasures,  
Telephone equipment, Attenuation, Passenger vehicles, Warning systems,  
Police, Money

IDENTIFIERS: \*Law enforcement

PB-193 606 NTIS Price: MF\$0.65

Allocation of Patrol Manpower Resources in the Saint Louis Police Department

Saint Louis Police Dept., Mo.

Supplementary rept.

C0274L3 FLD: 5I USGRDR7304

29 Jan 69 60p

GRANT: LEAA-039

MONITOR: 18

See also Volume 1, PB-213 668.

ABSTRACT: An evaluation was made of computer use in providing data for patrol planning. The report suggests expansion of resource allocation in the area of variable vs. fixed number of beats, traditional vs. split patrol, one vs. two man patrol units, and stacking of radio calls. (Author)

DESCRIPTORS: (\*Police, Personnel management), Scheduling, Effectiveness, Manpower utilization, Missouri

IDENTIFIERS: Saint Louis(Missouri)

PB-213 667/3 NTIS Prices: PC\$5.00/MF\$0.95



Police-Community Relations Evaluation Report

Portland State Univ., Oreg.

Final rept.

AUTHOR: Brown, Lee P.

A4541E1 FLD: 5K, 56C, 56N USGRDR7214

1969 236p

CONTRACT: LEAA-NI-69-075

ABSTRACT: A California study was made aimed at clarifying and developing some fundamental concepts of local police agencies approaches to police-community relations. An attempt was made to identify programs throughout the nation and an examination was made of the criteria useful in program evaluation. Program development, history, problems, issues, terminology, functions and evaluation are included. Footnotes and an appendix on public attitudes toward police are also included. (Author)

DESCRIPTORS: (\*Police, \*Community relations), California, Evaluation, Project management, Crimes

IDENTIFIERS: \*Police community relations

PB-209 203 NTIS Prices: PC\$3.00/MF\$0.95

Applicability of the Rochester Tactical Communications System Concept  
to Other Medium-Sized Cities

Rochester Dept. of Public Safety, N.Y.

Final rept. on Phase 2.

A3625B1 FLD: 17B, 5I, 61H, 56C USGRDR7205

Sep 69 112p\*

GRANT: LEAA-322

MONITOR: LEAA-OLEA-322-B

Prepared in cooperation with General Dynamics/Electronics, Rochester,  
N.Y. See also Final rept. on Phase 1, PB-205 478.

ABSTRACT: The report is a follow-up of an analysis that was conducted of the communications system of the Rochester, New York, Police Bureau. The objective of the first phase was to develop communications system concepts to improve the tactical communications in the Rochester Police Bureau. The objective of this second phase was to determine the applicability of the concepts to police departments in other medium-sized cities. The communications systems of two other cities were compared to the system concept developed in the first phase. It was found that in most cases the communications system concepts developed for Rochester could be applied to these other cities with only minor modifications.

DESCRIPTORS: (\*Telecommunication, \*Police), (\*Law enforcement, \*Transfer of technology), Municipalities, Telephone systems, Questionnaires, Methodology, Classifications

IDENTIFIERS: \*Rochester(New York), Complaint boards

PB-205 479 NTIS Prices: PC\$3.00/MF\$0.95

A Study of the Tactical Communications System of the Rochester Police Bureau, Rochester, New York

Rochester Dept. of Public Safety, N.Y.

Final rept. on Phase 1.

A3625A4 FLD: 17B, 5I, 61H, 56C USGRDR7205

Aug 69 439p\*

GRANT: LEAA-322

MONITOR: LEAA-OLEA-322-A

Prepared in cooperation with General Dynamics/Electronics, Rochester, N.Y. See also Final rept. on Phase 2, PB-205 479.

ABSTRACT: An analysis of the communications system in the Rochester, New York, Police Bureau is reported. It is the first phase of a two-phase study. The objective of the first phase was to improve tactical communications in the Rochester Police Bureau. Included were studies of present communications equipment and procedures; quality and quantity of telephone traffic received by the Complaint dispatcher and the patrol cars; present and proposed layouts for the communications center; recommendations for improving the training, selection, and supervision of communications center personnel; and recommendations for new equipment and procedures.

DESCRIPTORS: (\*Telecommunication, \*Police), (\*Law enforcement, New York), Command and control, Improvement, Models, Data acquisition, Interviews, Statistical analysis, Recommendations, Telephone systems, Criteria, Personnel management, Performance evaluation

IDENTIFIERS: \*Rochester(New York), Complaint boards

PB-205 478 NTIS Prices: PC\$6.00/MF\$0.95

Illinois Police Communications Study. Phase II, Summary

IIT Research Inst., Chicago, Ill. (175 350)

Final rept.

A3195B4 FLD: 17B, 61, 56C USGRDR7124

Dec 69 23p

CONTRACT: LEAA-NI-69-003

MONITOR: LEAA-NI-69-003-Vol-3

See also Volume 2, PB-203 420.

ABSTRACT: Using information obtained during Phase 1 plus additional data acquired during Phase II, the project was to determine: (1) Present and future police communications needs of all the municipalities encompassed in a tri-state area (including portions of Indiana, Illinois and Wisconsin) and to translate these needs into spectrum requirements; (2) To develop empirically, quantitative criteria for evaluating police communication system; (3) To examine the administrative, legal and governmental problems of organizing cooperative communication networks among police departments; and (4) To design new networks which might provide more effective and efficient police communications.

DESCRIPTORS: (\*Telecommunication, Police), Illinois, Municipalities, Requirements, Communications management

PB-203 421 NTIS Prices: PC\$3.00 MF\$0.95

Illinois Police Communications Study, Phase II. Volume II, Initial Development of Implementation Plans

IIT Research Inst., Chicago, Ill. (175 350)

Final rept.

A3195B3 FLD: 17B, 61, 56C USGRDR7124

Dec 69 313p

CONTRACT: LEAA-NI-69-003

MONITOR: LEAA-NI-69-003-Vol-2

Prepared in cooperation with Associated Public-Safety Communications Officers, Inc., Springfield, Ill. See also Volume 1, PB-203 419 and Summary, PB-203 421.

ABSTRACT: Using information obtained during Phase I plus additional data acquired during Phase II, the project was to determine: (1) Present and future police communications needs of all the municipalities encompassed in a tri-state area (including portions of Indiana, Illinois and Wisconsin) and to translate these needs into spectrum requirements; (2) To develop empirically, quantitative criteria for evaluating police communication system; (3) To examine the administrative, legal and governmental problems of organizing cooperative communication networks among police departments; and (4) To design new networks which might provide more effective and efficient police communications.

DESCRIPTORS: (\*Telecommunication, Police), Illinois, Municipalities, Requirements, Communications management

PB-203 420 NTIS Prices: PC\$6.00 MF\$0.95

THE POLICE DEPARTMENT IN NATURAL DISASTER OPERATIONS

Ohio State Univ Columbus Disaster Research Center (387540)  
AUTHOR: Brooks, J. Michael, Vargo, Stephen M., Kennedy, Will C.  
A0522I4 FLD: 5A, 15C, 56C, 74E USGRDR7016  
Sep 69 85p  
REPT NO: DRC-Ser-6  
CONTRACT: OCD-PS-64-46  
PROJECT: OCD-2651A

ABSTRACT: The report describes the involvement of the police department in natural disaster operations. The organization of such departments in terms of time, function, and authority is initially discussed as are the implications of these variables for the department's involvement in disaster tasks. Several different forms of organizational adaptation to disaster demands are indicated: assigning priority to demands, reallocating personnel internally, redeploying and recalling field personnel, and reducing and delaying normal tasks. The consequences of these adaptations for the authority structure, the decision-making process, and channels of communication are discussed. The relationship of the police to other organizations in emergency action is also elaborated. (Author)

DESCRIPTORS: (\*Civil defense systems, Management planning), (\*Police, Countermeasures), Scheduling, Personnel management, Deployment, Job analysis, Manpower studies

IDENTIFIERS: \*Natural disasters, \*Disaster planning

AD-707 937 CFSTI Prices: HC\$3.00 MF\$0.65

STATEWIDE POLICE COMMAND AND SUPERVISORY TRAINING--THREE DEMONSTRATION  
PROJECTS: NEW JERSEY MOBILE TRAINING UNITS: NORTH CAROLINA POLICE  
MANAGEMENT INSTITUTE: ARKANSAS REGIONAL COURSES FOR POLICE  
SUPERVISORS

New Jersey Police Training Commission.

7272L1 FLD: 5K, 5I, 942, 907 USGRDR7006  
1969 329p\*  
GRANT: LEAA-016, LEAA-053

ABSTRACT: The document presents the final project reports of three demonstration training efforts conducted for police personnel of a particular state. The states involved are New Jersey, North Carolina, and Arkansas. The projects vary markedly in coverage, design, course content, and training format and thus present an interesting selection of models appropriate to different circumstances and training needs. Each project provided for an independent evaluation study, the results of which are included in the compilation. (Author)

DESCRIPTORS: (\*Police, Training), (\*Criminology, Management planning), Professional personnel, Supervisory personnel, Teaching methods, Models(Simulations), Urban areas, Problem solving, North Carolina, Arkansas, New Jersey

IDENTIFIERS: Law enforcement, Evaluation, Demonstration projects

PB-188 994 CFSTI Prices: HC\$6.00 MF\$0.95

THE STUDY OF MAN. HOW POLICE CONFRONT DIASTER

Denver Univ Colo Dept of Sociology (404291)

AUTHOR: Drabek, Thomas E., Haas, J. Eugene

7104I4 FLD: 5J, 907 USGRDR7004

1969 7p

GRANT: AF-AFOSR-1307-67, AF-AFOSR-572-65

PROJECT: AF-9779

TASK: 977901

MONITOR: AFOSR-69-3083TR

Availability: Pub. in Transaction, p33-38 May 69.

ABSTRACT: Group response to organizational stress was analyzed through the realistic simulation of a police communication system. Three teams of police communication officers participated in three, two hour laboratory sessions wherein they confronted normal demand loads. A simulated airplane crash was used to generate system overload in the final laboratory session. Hypotheses tested and supported were that as stress increases: (1) the rate of task performance will increase; (2) decisions will be made more rapidly; (3) personnel will increasingly limit themselves to tasks of highest priority; and (4) frequency of self-initiated contacts between organization will increase.

DESCRIPTORS: (\*Police, Stress(Psychology)), (\*Disasters, Simulation), Communication systems, Reaction(Psychology), Decision making, Aviation accidents

AD-698 553



GAMING LAW ENFORCEMENT AND CRIMINAL JUSTICE PROBLEMS

Research Analysis Corp Mclean Va (302750)

AUTHOR: Longmire, Richard M., Rae, R. William, Butchers, Ralph J.,  
Kraus, Ellen E.

6921D4 FLD: 5D, 942 USGRDR7001

Feb 69 43p\*

ABSTRACT: The document covers an elementary resource planning game designed to serve two objectives: to acquaint personnel with some of the characteristics and techniques of gaming as they apply to the study of law enforcement problems in general, and to show how gaming may assist in identifying and overcoming some of the major pitfalls in law enforcement planning. (Author)

DESCRIPTORS: (\*Criminology, \*Game theory), Systems engineering, Operations research, Law, Organizations, Errors, Rural areas, Urban areas, Statistical data, Police, Vehicles, Classification

IDENTIFIERS: \*Criminal justice, \*Law enforcement games, Jails

AD-697 065 CFSTI Prices: HC\$6.00 MF\$0.95

PREDICTION OF POLICE INCIDENTS AND ACCIDENTS BY METEOROLOGICAL variables

Texas Christian Univ Fort Worth Inst of Behavioral Research (180820)

Technical rept. Jan 64-Mar 69

AUTHOR: Will, Donald P. Jr, Sells, S. B.

5973C3 FLD: 5J USGRDR6911

Mar 69 92p\*

REPT NO: TR-14

CONTRACT: Nonr-3436(00)

Report on Dimensions of Stimulus Situations which Account for Behavior Variance.

ABSTRACT: Weather variables were studied as predictors of police incidents in the City of Fort Worth for a six month period. Frequencies of 31 categories of calls to the police department and means of 13 weather variables, as well as the day of the year, were computed by six-hour intervals. Correlations among all variables were computed for each of the four quarters of the day over 178 days, and also across all 712 quarter-day periods; nine categories of police calls were selected for further analysis. Two factors, a temperature-pressure and precipitation-fog, were found for all criteria; a pressure-wind factor occurred for 8 of the 9 criterion variables, and a precipitation factor occurred for three criteria. Methodological problems suggest caution in interpretation, although both the results and the methods used appear promising for further research. (Author)

DESCRIPTORS: (\*Behavior, Mathematical prediction), (\*Weather, Correlation techniques), Statistical analysis, Records, Police, Accidents, Criminology, Mental disorders, Periodic variations, Meteorological parameters, Psychometrics, Texas

IDENTIFIERS: Stimulus (Psychophysiology)

AD-685 615 CFSTI Prices: PC\$6.00 MF\$0.95

The Cincinnati Police-Juvenile Attitude Project. A Demonstration Project in Police-Teacher Curriculum Development to Improve Police-Juvenile Relations

Cincinnati Univ., Ohio. (083 700)

Final rept.

A3342E1 FLD: 5I, 5K, 56C, 56E USGRDR7202

Jun 68 274p

GRANT: LEAA-052

MONITOR: NCJ-000191

ABSTRACT: To improve police-juvenile relations, the University of Cincinnati and the Cincinnati police developed curriculum units for junior high schools and the Police Academy. Steps in the project included: a National Conference on Early Adolescent Attitudes towards Police to develop curriculum guidelines, with top law enforcement officers and secondary school administrators as participants; development of curriculum units and materials by 12 social studies teachers and 12 police officers; experimental introduction of the units in 12 junior high schools and in the Police Academy; statistical analysis of program data; dissemination of project information and distribution of 500 curriculum kits at a National Institute of Early Adolescent Attitudes toward Law Enforcement; and expansion of attitude research and development of two university courses on design and use of curriculum materials. Curriculum guides and lesson plans for grades 7, 8, 9, and the police academy are included in the appendices. The directors conclude that such curriculum units and materials are both feasible and timely. (Author)

DESCRIPTORS: (\*Students, \*Attitudes), (\*Police, \*Community relations), (\*Education, \*Law enforcement), Adolescence, Schools, Instructors, Feasibility

IDENTIFIERS: Curricula

PB-204 539 NTIS Prices: PC\$3.00/MF\$0.95

THEORY AND METHODS IN THE STUDY OF ORGANIZATIONAL STRESS

Denver Univ Colo Dept of Sociology (404291)

Final scientific rept.

AUTHOR: Drabek, Thomas E.

5415A1 FLD: 5K USGRDR6903

Nov 68 16p

GRANT: AF-AFOSR-1307-67

PROJECT: AF-9779

TASK: 977901

MONITOR: AFOSR-68-1677

ABSTRACT: A conceptual framework for the analysis of organizational stress was constructed. Additional theoretical work was completed on the pre-suppositions implicit in this and other organizational models. The stress framework was used to intensely analyze data collected at Ohio State on three simulated police communication teams subjected to stress. These findings and the conceptual model were critically reviewed by seventeen organizational specialists at the Symposium on Organizational Stress held at the University of Denver in January, 1968. A summary of the proceedings is organized into three general headings: (1) theory, (2) method, and (3) future research needs. Following the Symposium, the conceptual model, theoretical discussion, and analysis of police team response to stress was revised. Simulation as a bridge between the laboratory and field is briefly discussed as are major problem areas related to organizational stress which require future empirical, methodological, and conceptual work. (Author)

DESCRIPTORS: (\*Organizations, \*Stress(Psychology)), (\*Police, Stress(Psychology)), Sociometrics, Reaction(Psychology), Theory, Analysis, Social communication, Group dynamics, Performance(Human)

AD-678 929 CFSTI Prices: PC\$3.00 MF\$0.95

LOCAL COMMUNITY STRUCTURE AND CIVIC PARTICIPATION

National Federation of Settlements and Neighborhood Centers, Chicago, Ill. Training Center.

AUTHOR: Hillman, Arthur

6324B1 FLD: 5K, 5J, 942 USGRDR6916

May 68 175

ABSTRACT: Contents: People in cities; Civic participation; The good community; Local community organization; Pilot study of citizen participation in local communities; Goals and functions of neighborhood programs; Neighborhood centers - Historical and current developments; Planning for coverage and projections of costs for neighborhood centers; Expansion of neighborhood centers and related programs - guidelines for the future.

DESCRIPTORS: (\*Urban areas, Group dynamics), (\*Organizations, Urban areas), Sociology, Social sciences, Political science, Social psychology, Attitudes, Urban planning, History, Economics, United States Government, Education, Religion, Public health, Libraries, Industrial training, Employment, Recreation, Police, Costs, Personnel

IDENTIFIERS: \*Community relations, Neighborhoods, \*Neighborhood centers, Objectives, Local government, Schools, Demography, Poverty, Social workers

PB-184 696 CFSTI Prices: HC\$6.00 MF\$0.95

Detection of Potential Community Violence

Rice Univ., Houston, Tex. Center for Research in Social Change and Economic Development. (405 552)

Final rept.

AUTHOR: Justice, Blair

C0063E1 FLD: 5K, 56N, 92C USGRDR7301

Jun 68 122p

GRANT: LEAA-207

MONITOR: 18

ABSTRACT: A total of 7,156 interviews were conducted in the black community of Houston to give authorities a running account of the racial temperature. The methodology attempted to gauge the amount of man-on-the-street tension with the realization that unpredictable and unmeasurable elements can trigger community violence. Attitudes toward jobs, housing, schools, and religion from July 1966 to August 1967, as well as psychological factors and attitudes to specific occurrences were surveyed with the idea of planning programs to help reduce tension.

DESCRIPTORS: (\*Community relations, Tension), (\*Ethnic groups, \*Attitudes), (\*Sociopsychological surveys, \*Texas), Negroes, Interviews, Group psychology, Emotions, Project planning, Problem solving, Urban areas, Police

IDENTIFIERS: Community violence, \*Houston(Texas)

PB-212 926/0 NTIS Prices: PC\$8.25/MF\$0.95

LABORATORY SIMULATION OF A POLICE COMMUNICATIONS SYSTEM UNDER STRESS

Ohio State Univ Columbus Disaster Research Center (387540)

AUTHOR: Drabek, Thomas E.

A0111B2 FLD: 5I, 17B, 907, 910 USGRDR7011

Mar 67 157p

REPT NO: Mono-D-2

GRANT: AF-AFOSR-572-65

PROJECT: AF-9779

TASK: 977901

MONITOR: AFOSR-67-1540

Supersedes AD-621 192.

ABSTRACT: The research objective of the study was to explore the utility of 'realistic simulation,' as a methodological technique, for the analysis of complex organizations. A laboratory simulate of the dispatching room and communication system of a metropolitan police department was constructed. The simulate involved three different sets of four police officers and 26 simulators subject to four experimental sessions, two hours in length. Three sessions involved routine police communications. Each of the last sessions presented a simulated disaster in an attempt to place the system under stress and to test selected aspects of a theoretical framework regarding organizational stress which had been concurrently developed. The experimental data obtained provided general support for the theoretical framework used and also indicated that the effort to subject the simulate to stress was successful. (Author)

DESCRIPTORS: (\*Disasters, Urban areas), (\*Police, \*Communication systems), Simulators, Stress (Psychology), Decision making, Performance (Human), Organizations, Pattern recognition

IDENTIFIERS: Experimental realism

AD-703 751 CFSTI Prices: HC\$6.00 MF\$0.95

Allocation of Patrol Manpower Resources in the Saint Louis Police Department. Volume I

Saint Louis Police Dept., Mo.  
C0274L4 FLD: 5I USGRDR7304

Jul 66 101p  
GRANT: LEAA-039  
MONITOR: 18

See also Volume 2, PB-213 669 and Supplementary Report, PB-213 667.

ABSTRACT: Resource allocation should alleviate assigning manpower to coincide with fluctuation demands for police services procedures to provide manpower in terms of need. Evaluation by the government research institute consists of an analysis of the basic resource allocation concept and the mathematical prediction model; the results actually achieved in terms of the theory upon which the system and its methods are based; and the effects of resource allocation methods on police officer morale. (Author)

DESCRIPTORS: (\*Police, \*Personnel management), Manpower utilization, Evaluation, Mathematical prediction, Morale, Missouri

IDENTIFIERS: Saint Louis(Missouri)

PB-213 668/2 NTIS Prices: PC\$7.25/MF\$0.95



Allocation of Patrol Manpower Resources in the Saint Louis Police Department. Volume II

Saint Louis Police Dept., Mo.  
C0275A1 FLD: 5I USGRDR7304  
Jul 66 100p  
GRANT: LEAA-039  
MONITOR: 18

See also Volume 1, PB-213 668, and Supplementary Report, PB-213 667.

ABSTRACT: Manpower scheduling problems are described. Tabulations of results of attitude tests and surveys are presented. The computer hardware equipment, processing of source documents, prediction statistics, and a crime system are described. Crime statistics, radio traffic, traffic accidents, and other statistics are presented by year, day, and time. Manpower statistics are tabulated and a mathematical model given. (Author)

DESCRIPTORS: (\*Police, \*Personnel management), Manpower utilization, Scheduling, Information systems, Morale, Attitudes, Law enforcement, Statistical analysis, Missouri

IDENTIFIERS: Saint Louis(Missouri)

PB-213 669/1 NTIS Prices: PC\$7.00/MF\$0.95

THE PRESERVATION OF ROADSIDE SCENERY THROUGH THE POLICE POWER

Vermont Central Planning Office, Montpelier.

AUTHOR: Fonoroff, Allen

6321G1 PLD: 13B, 5D, 903 USGRDR6916

1966 35p

ABSTRACT: Background for legislation as well as proposed legislation to preserve and enhance roadside scenery is contained in this report. The proposed legislation is designed to preserve and enhance scenic values visually related to Vermont's highways by regulating the use of land adjacent to such highways. The legislation classifies areas of unique scenic significance into two categories...scenic corridors and scenic sites. In general the law would prohibit the location of certain obnoxious uses within one-half mile of the highway right-of-way, or between its right-of-way and a ridgetop, whichever distance is less. Permitted uses are regulated with respect to minimum lot size for residential use (two acres) and the size, location and lighting of signs. Areas of special scenic value--approaches to historic towns, rural churches, etc.--may be designated for similar protection by a state agency. Standards are set forth to guide the agency in the selection of such areas and provisions are made for public participation through hearings. The regulations protect the right to sell farm produce as well as nonconforming uses that were in active operation before the passage of the law. It is estimated that Vermont's natural aesthetic resources generate the expenditure of \$188,304,000 annually by persons attracted to hunting, fishing, skiing, camping and vacation travel opportunities in the state.

DESCRIPTORS: (\*Law, Natural resources), (\*Natural resources, \*Vermont), Police, Roads, Rural areas, Urban areas, Protection, Environment, Economics

IDENTIFIERS: \*State planning and development, \*Roadside scenery, Esthetics, Land use, Tourism, Income, Right of way acquisition, Eminent domain

PB-184 569 CFSTI Prices: HC\$6.00 MF\$0.95

Effective Police Organization and Management. Volume I. Municipal Police

California State Coll., Los Angeles. (071 720)

Final rept.

AUTHOR: Gourley, G. Douglas  
C1265K1 FLD: 5I USGRDR7316  
Oct 66 134p  
CONTRACT: OLEA-017  
MONITOR: 18

ABSTRACT: Basic principles of police department organization are outlined, and a detailed analysis of municipal police organization is made. The municipal police chief is discussed according to the tasks he must perform if he is to build and maintain an effective police force. The author outlines a basic organizational model for municipal police forces, based on the work police are expected to do.

IDENTIFIERS: LEAA

PB-220 797/5 NTIS Prices: PC\$8.75/MF\$0.95

Effective Police Organization and Management. Volume 2. County  
Police Systems

California State Coll., Los Angeles. (071 720)

Final rept.

AUTHOR: Gourley, G. Douglas

C1265K2 FLD: 5I USGRDR7316

Oct 66 119p

GRANT: LEAA-017

MONITOR: 18

See also PB-220 799.

ABSTRACT: County police systems are characterized as archaic structures in need of administrative and organizational change. The current county sheriff systems, centralization versus autonomous entities, types and methods of consolidation, and model organizations are discussed. The report recommends centralization of most services and decentralization of most operations.

IDENTIFIERS: LEAA

PB-220 798/3 NTIS Prices: PC\$8.00/MF\$0.95

Effective Police Organization and Management. Volume 3. State Police Systems

California State Coll., Los Angeles.

Final rept.

AUTHOR: Gourley, G. Douglas

C1265K3 FLD: 5I USGRDR7316

Oct 66 135p

GRANT: LEAA-017

MONITOR: 18

See also PB-220 798.

ABSTRACT: State Police systems, their history, administration and organization are compared. Tabulations and discussions cover the types of police under state control, the numbers of personnel, training, salaries, and organizations and functions. Proposed is an organizational model using principles of positive management and organization. The conclusions are that organizations and divisions performing the same general function should be combined. State police should have the status of being an independent department under the state government, personnel should have secure tenure, command should be unified which would promote economy of supervision.

IDENTIFIERS: LEAA

PB-220 799/1 NTIS Prices: PC\$8.75/MF\$0.95

Effective Police Organization and Management. Volume 4. Patrol  
Specialization vs. Generalization

California State Coll., Los Angeles. (071 720)

Final rept.

AUTHOR: Gourley, G. Douglas  
C1265K4 FLD: 5I USGRDR7316

Oct 66 172p

GRANT: LEAA-017

MONITOR: 18

See also PB-220 801.

ABSTRACT: Patrol specialization versus generalization, distribution of the patrol force, police reserves, and police cadet program are reviewed. Police generalization and police specialization are defined with the advantages and disadvantages of each presented. A balance is indicated depending on area, size of the police force, and work volume. Elements and other criteria of the weighting system is chronological and geographical distribution of the patrol force are presented as well as types of patrol systems. The need for constant reevaluation, history, organization, and use of police reserves are analyzed. The use of police cadets as clerks and other non-enforcement positions is described.

IDENTIFIERS: LEAA

PB-220 800/7 NTIS Prices: PC\$10.75/MF\$0.95

Effective Police Organization and Management. Volume 5. The Investigative, Custodial and Crime Prevention Functions of Police

California State Coll., Los Angeles. (071 720)

Final rept.

AUTHOR: Gourley, G. Douglas

C1265L1 FLD: 5I USGRDR7316

Oct 66 206p

GRANT: LEAA-017

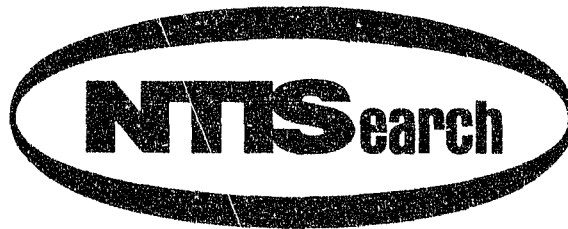
MONITOR: 18

See also PB-220 802.

ABSTRACT: The volume covers three parts of the total report concerning the investigative, custodial, and crime prevention functions of police departments. Criteria for selecting investigators are discussed and the results of a national survey on methods of selecting investigators are presented. The advantages and disadvantages of specialized investigators are reviewed and recommendations are made. The custody function including procedures used, responsibilities of police, personnel, facilities, and prisoner rights are covered. Organizing for crime prevention and police work with juveniles, community information and relations are a third discussion. The Oakland police department security system is examined in detail with recommendations that every law enforcement agency institute similar activities.

IDENTIFIERS: LEAA

PB-220 801/5 NTIS Prices: PC\$12.50/NF\$0.95



NTIS-PR-186  
June 1976

NTISearches are fully annotated bibliographies that are prepared by information specialists at NTIS from its on-line interactive bibliographic retrieval system comprising almost 500,000 document/data records. NTISearches are of two kinds: Published Searches and On-Line Searches. Published Searches are prepared by NTIS analysts in anticipation of users' needs. Also available are Published Searches prepared from the Engineering Index data base. On-Line Searches are prepared by these same analysts on a customized basis to satisfy a very specific user information need. This is a listing of currently available Published Searches with ordering information and other relevant data on NTIS products and services.

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**NTIS** National Technical Information Service  
U.S. DEPARTMENT OF COMMERCE  
Springfield, Virginia 22161



Because the Published Search program is a dynamic, changing one, please request a new PR-136 from NTIS for the latest information if this brochure is more than six months old.



## ABOUT NTIS

The National Technical Information Service of the U.S. Department of Commerce is the central source for the public sale of Government-sponsored research, development and engineering reports and other analyses prepared by Federal agencies, their contractors or grantees. And, it is a central source for Federally generated machine processable data files.

NTIS ships 19,000 information products daily as one of the world's leading processors of specialty information. It supplies the public with approximately four million documents and microforms annually. The NTIS information collection exceeds 900,000 titles. All are available for sale. About 105,000 titles are in current shelf stock. Catalogs of special interest reports describe those most in demand.

NTIS is obligated by Title 15 of the U.S. Code to recover its costs from sales. The distribution of its information products and services is self-sustaining.

Timely and continuous reporting to subscribers is ensured by agreements between NTIS and several hundreds of Federal research sponsoring organizations. NTIS is the marketing coordinator for the latter, for their publications, technical inquiries and special analyses.

The public may quickly locate summaries of interest from among 500,000 Federally sponsored research reports completed from 1964 to date, using the agency's NTISearch program which comprises On-Line Searches and this and a variety of published searches.

The NTIS Bibliographic Data File on magnetic tape, which includes published and nonpublished abstracts, is available for lease. The computer products of other Federal agencies also are sold or leased.

Current summaries of new research reports and other specialized technical information in various categories of interest are published in weekly newsletters (Weekly Government Abstracts), for which a subject index is prepared annually. An all-inclusive biweekly journal (Government Reports Announcements and Index) is published for librarians, technical information specialists and those requiring all the summaries categorized in a single volume and accompanying index.

A standing order microfiche service (SRIM) automatically provides subscribers with the full texts of research reports selected to satisfy individual requirements.

Other services, such as the coordination, packaging and marketing of special technical information for organizations may be specially designed, anytime.

## ABOUT ENGINEERING INDEX, INC.

For more than ninety years, Ei, a not-for-profit information service, has provided a data bank of abstracts, citations, and an index to the world's significant technical literature and conferences. It has played the leading role in furnishing the engineering, library, and informational communities with the latest knowledge available on prominent research and applications of technical ideas relevant to the field of engineering.

Ei's staff of editors (that is, engineers or individuals with technical backgrounds) read and analyze more than 2,000 technical publications in all principal languages each year. Included among these publications are the regular professional and industrial journals, as well as the proceedings, transactions, and special publications of engineering societies, scientific and technical associations, universities, laboratories and research institutions, governmental agencies, and industrial organizations. Also covered are papers of conferences, colloquiums and symposiums, monographs, seminars, reports, and books.

The editors systematically select, abstract, and index significant articles and make available a large, organized compilation (The Engineering Index data base) so that the individual seeking knowledge can scan terse, one paragraph summaries of documents to determine if there are original publication articles or conference proceedings that should be obtained for further information. During 1975, more than 85,000 Ei abstracts and citations were made available.

Ei places findings of the various disciplines side by side with extensive interconnecting indexing and cross-references. Some 12,000 subject headings and an index of 100,000 authors are used currently. The inquirer need only scan Ei's specialized index to find entries bearing upon his specific concern. The searcher is thereby exposed not only to the obvious areas of interest, but is automatically informed of developments in collateral fields ensuring that new and meaningful information is not overlooked or missed entirely.

Consideration has also been given to the frequency of issue, ease of handling, cost, and the varying needs of the user. Ei abstracts and citations that are in the Ei master data bank are available in annual and monthly updates in printed, computer-readable, and microform format.

Ei is also unique in that it is worldwide and transdisciplinary; it scrutinizes all disciplines of engineering for relevant information. This is of utmost importance when an inquiry in one discipline quite probably entails research from other disciplines.

To further enhance the value of Ei's services, copies of the majority of articles appearing in The Engineering Index data base may be obtained from the Engineering Societies Library at a moderate cost. ESL is a closely allied, but completely separate, organization adjoining Ei at The United Engineering Center in New York City.

## ABOUT NTISEARCHES

Published Searches are bibliographies developed by information specialists at NTIS from an on-line interactive bibliographic information retrieval system in order to meet anticipated users' needs. Although most of the Published Searches are prepared from the NTIS data base, some are prepared from the Engineering Index, Inc. (Ei) data base. Through an agreement with Ei, some Published Searches of the NTIS data base are prepared and announced with companion Published Searches of the Ei data base.

The Engineering Index data base includes bibliographic citations from worldwide professional and industrial journals as well as the proceedings, transactions, and special publications of engineering societies, associations, universities, and research institutions. More than 80,000 reports are announced each year.

The NTIS data base consists of bibliographic citations of Federally-sponsored reports and analyses dating from 1964. Copies of most of these reports are sold by NTIS in both paper and microfiche. Each year more than 60,000 reports are announced and made available to the public.

Published Searches are updated at regular intervals and are available in paper copy or microfiche at a cost of \$25 each for domestic addresses (\$35 for addresses outside of the U.S.) whether in paper copy or microfiche. Additional copies of the same Published Search to the same address cost \$10 each for domestic addresses (\$12.50 each for addresses outside of the U.S.) in paper copy or microfiche. A complete list of Published Searches is printed in this brochure starting on page g-1.

On-Line Searches of the NTIS data base are also available. Should a Published Search prepared from the NTIS data base not fully satisfy your special information needs, you may wish to obtain a specially prepared NTIS On-Line Search. You may return your NTIS Published Search to NTIS for full credit toward the purchase of an NTIS On-Line Search. Simply call the On-Line Search telephone number (703) 321-9040 to make arrangements with an NTIS Information Specialist and to discuss directly your specific information needs. The costs of a customized NTIS On-Line Search are as follows:

	<u>Domestic</u>	<u>Foreign</u>
Up to 100 technical report summaries	\$ 100	\$ 125
101 to 200 technical report summaries	125	160
201 to 300 technical report summaries	150	190
301 to 400 technical report summaries	175	220
401 to 500 technical report summaries	200	250
More than 500 technical report summaries	Negotiated	

## AVAILABLE PUBLISHED SEARCHES

This brochure presents three lists of Published Searches:

A subject category index which arranges these  
Published Searches into the categories shown  
below (Starts on page g-1)

A subject index (Starts on page h-1)

A NTIS order number list (Starts on page i-1)

The citations in these listings include the following information:

- + Order Number (Please use when ordering any information item)
  - + Title
  - + Number of citations (in parentheses) in the search
  - + Date of preparation or coverage of the search
  - + Whether the Published Search was prepared from the Engineering Index data base. The letters Ei (in parentheses) indicate that the search is of Engineering Index.
- ~~NTIS/PS-76/0145/3GSE~~  
~~Band Pass Filters (139) Feb 76~~  
~~NTIS/PS-76/0146/1GSB~~  
~~Band Pass Filters (154) 1974-1975 (Ei)~~

Published Searches are updated at regular intervals and are available in paper copy or microfiche at a cost of \$25 each for domestic addresses (\$35 for a ddresses outside of the U.S.) whether in paper copy or microfiche.

### SUBJECT CATEGORIES AND PAGE LOCATION

	<u>Page</u>		<u>Page</u>
Administration	g-1	Industrial & Mechanical Engineering	g-13
Aeronautics and Aerodynamics	g-1	Library and Information Sciences	g-14
Agriculture and Food	g-1	Materials Sciences	g-14
Astronomy and Astrophysics	g-2	Mathematical Sciences	g-16
Atmospheric Sciences	g-2	Medicine and Biology	g-16
Behavior and Society	g-2	Military Sciences	g-18
Biomedical Technology & Engineering	g-3	Missile Technology	g-18
Building Technology	g-4	Natural Resources & Earth Sciences	g-18
Business and Economics	g-4	Navigation, Guidance and Control	g-19
Chemistry	g-5	Non-Destructive Testing	g-19
Civil and Structural Engineering	g-6	Nuclear Science and Technology	g-19
Communication	g-7	Ocean Technology and Engineering	g-20
Computers, Control and Information Theory	g-8	Ordnance	g-20
Detection and Countermeasures	g-8	Photography and Recording Devices	g-20
Electrotechnology	g-9	Physics	g-21
Energy	g-10	Propulsion	g-22
Environmental Pollution and Control	g-10	Space Technology	g-22
Health Planning	g-13	Transportation	g-22
		Urban Technology	g-22

SAMPLE ENTRY OF A CITATION FROM THE  
NTIS DATA BASE

Title  
Compilation of State Data for Eight Selected Toxic Substances. Volume I

Corporate Author  
Mitre Corp., McLean, Va. \*Environmental Protection Agency, Washington, D.C.  
Office of Toxic Substances. (402 364)

Sponsoring Agency  
\*Environmental Protection Agency, Washington, D.C.

Report Date  
Final rept.  
Sep 75

Pages in Report  
165p\*

NTIS Subject Categories  
C5945F4 FLD: 06T, 06F, 57Y\*, 57H, 68\* USGRDR7606

AUTHOR: Roberts, Elisabeth, Spewark, R., Stryker, S., Tracey, S.  
REPT NO: MITRE-75-52-Vol-1  
CONTRACT: EPA-68-01 2933  
MONITOR: EPA/560/7-75/001-1  
Paper copy also available in set of 5 reports: as PB-248 659-SET, PC\$36.00.

ABSTRACT: In June 1974, toxic substances data in the U.S. was collected and analyzed in 20 key states. This report describes that effort and discusses the amount, type and usefulness of the data and the toxic substances monitoring capabilities of the state agencies contacted.

DESCRIPTORS: \*Environmental surveys, States (United States), Monitors, Toxicology, Arsenic, Beryllium, Cadmium, Cyanides, Lead(Metal), Mercury(Metal), Chlorine aromatic compounds, Data acquisition, Data processing, Water pollution, Air pollution, Chemical compounds

IDENTIFIERS: \*Toxic agents, Biphenyl/chloro, State agencies, NTISEPAOTS

PB-248 660/3ST NTIS Prices: PC\$6.75/MF\$2.25

Keywords

Order Number

Paper Copy Price      Microfiche Price

NOTE: Prices are subject to change.

SAMPLE ENTRY OF A CITATION FROM THE  
ENGINEERING INDEX DATA BASE

Ei Accession Number

Title

Author(s)

Author Affiliation

ID NO.-EI740205806

405806

COAL GASIFICATION FOR ELECTRIC POWER GENERATION.

LEMEZIS, SYLVESTER; ARCHER, DAVID H.

WESTINGHOUSE ELECTR CORP, LESTER, PA

DESCRIPTORS-\*COAL, POWER GENERATION, FUELS,

CARD ALERT - 522, 524, 6L5

CODEN-COMBAF SOURCE- COMBUSTION V 45 N 5 NOV L973 P 6-12

THIS NEW MULTIPLE FLUIDIZED-BED CONCEPT HAS THE POTENTIAL FOR OVERCOMING THE INHERENT LIMITATIONS OF OTHER GASIFICATION PROCESSES AND PROVIDING AN ECONOMIC GASIFICATION SYSTEM FOR POWER PLANTS. A WIDE VARIATION IN FUELS INCLUDING CAKING COALS AND HIGH-ASH COALS CAN BE USED WITHOUT COSTLY AND INEFFICIENT PRETREATMENT. THIS FLEXIBILITY WILL ALLOW POWER PLANTS TO UTILIZE LOCAL COAL RESOURCES AND MINIMIZE TRANSPORTATION COSTS. WHEN SCALE-UP PROCEDURES HAVE BEEN VERIFIED, A COMMERCIAL-SIZE GASIFIER PLANT WILL BE CONSTRUCTED. 2 REFS.

Abstract

Keywords

Journal Title

## PUBLISHED SEARCHES BY SUBJECT CATEGORY

### Administration

- Replacement Theory (85) Apr 75  
NTIS/PS-75/405/1G5B
- Linear Programming in Management (38) May 75  
NTIS/PS-75/406/9G5B
- PERT (123) May 75  
NTIS/PS-75/439/0G5B
- Productivity (142) Jul 75  
NTIS/PS-75/492/9G5B
- Technology Assessment (188) Jun 75  
NTIS/PS-75/494/5G5B
- Mathematical Models of Manpower and Personnel Management. Vol 1. 1964-1973 (172) Jun 75  
NTIS/PS-75/498/6G5B
- Mathematical Models of Manpower and Personnel Management. Vol 2. 1973-May 75 (97) Jun 75  
NTIS/PS-75/499/4G5B
- Decision Making in Management (76) Jun 75  
NTIS/PS-75/500/9G5B
- Management Games (180) Aug 75  
NTIS/PS-75/598/3G5B
- Management Information Systems (164) Jul 75 Excludes urban information systems  
NTIS/PS-75/601/5G5B
- All Volunteer Military Services (154) Aug 75  
NTIS/PS-75/621/3G5B
- Urban Information Systems. Part 1. General (69) Jul 75  
NTIS/PS-75/623/9G5B
- Urban Information Systems. Part 2. USAC Reports (210) Jul 75  
NTIS/PS-75/624/7G5B
- Inventory Control (220) 1970-Aug 75  
NTIS/PS-75/631/2G5B
- Job Analysis Methodology (95) Aug 75  
NTIS/PS-75/675/9G5B
- Participative Management (102) Sep 75  
NTIS/PS-75/696/5G5B
- Job Satisfaction (295) Sep 75  
NTIS/PS-75/708/8G5B
- Human Work Measurement (66) Oct 75 Excludes physiological effects.  
NTIS/PS-75/797/1G5B
- Revenue Sharing (45) Nov 75  
NTIS/PS-75/840/9G5B
- Production Planning and Scheduling (193) Dec 75  
NTIS/PS-75/863/1G5B
- Design to Cost and Life Cycle Costing (190) Dec 75  
NTIS/PS-75/875/5G5B
- Technology Transfer: General and Theoretical Studies (121) Jan 76  
NTIS/PS-75/884/7G5B
- Time Series Forecasting and Prediction (117) Jan 76 Includes studies on hydrology, meteorology, management, and energy among others  
NTIS/PS-76/0031/5G5B

- The Role of Women in the Workforce (171) Feb 76  
NTIS/PS-76/0103/2G5B
- Career Development. Part 1. Military Careers (224) Feb 76  
NTIS/PS-76/0115/6G5B
- Career Development. Part 2. Civilian Careers (245) Feb 76  
NTIS/PS-76/0116/4G5B
- Construction Management (147) Apr 76  
NTIS/PS-76/0297/2G5B

### Aeronautics and Aerodynamics

- Holographic Flow Visualization (53) Jan 75  
NTIS/PS-75/115/6G5B
- Flow Visualization (106) Jan 75 Excludes shadowgraph, schlieren, and holographic techniques  
NTIS/PS-75/116/4G5B
- Surface Effect Vehicles/Ships in Marine Environments (108) Jan 75  
NTIS/PS-75/332/7G5B
- Surface Effect Vehicles and Surface Effect: General Studies. Vol. 1. 1964-1971 (134) Jan 75 Does not include marine environments  
NTIS/PS-75/333/5G5B
- Surface Effect Vehicles and Surface Effect: General Studies. Vol. 2. 1972-1974 (67) Jan 75 Does not include marine environments  
NTIS/PS-75/334/3G5B
- Airport Noise (138) Jun 75  
NTIS/PS-75/530/6G5B
- Hot Wire Anemometry. Vol 1. 1964-1970 (71) Aug 75  
NTIS/PS-75/662/7G5B
- Hot Wire Anemometry. Vol 2. 1971-July 1975 (87) Aug 75  
NTIS/PS-75/663/5G5B
- Hot Film Anemometry (32) Aug 75  
NTIS/PS-75/664/3G5B
- Collision Avoidance Systems (198) Aug 75  
NTIS/PS-75/671/8G5B
- Boundary Layer Separation. Vol 1. 1966-1970 (127) Nov 75  
NTIS/PS-75/814/4G5B
- Boundary Layer Separation. Vol 2. 1971-Aug 75 (115) Nov 75  
NTIS/PS-75/815/1G5B
- Boundary Layer Transition. Vol 1. 1964-1968 (98) Nov 75  
NTIS/PS-75/816/9G5B
- Boundary Layer Transition. Vol 2. 1969-1971 (104) Nov 75  
NTIS/PS-75/817/7G5B
- Boundary Layer Transition. Vol 3. 1972-1975 (112) Nov 75  
NTIS/PS-75/818/5G5B
- Shear Flow. Part 1. Liquids (152) Oct 75  
NTIS/PS-75/819/3G5B
- Shear Flow. Part 2. Gases. Vol 1. 1964-1969 (154) Nov 75  
NTIS/PS-75/820/1G5B

- Shear Flow. Part 2. Gases. Vol 2. 1970-November 1975 (166) Nov 75  
NTIS/PS-75/821/9G5B
- Shear Flow. Part 3. General Studies (150) Nov 75 Excludes wind shear  
NTIS/PS-75/822/7G5B
- Flow Reattachment (86) Nov 75  
NTIS/PS-75/823/5G5B
- Boundary Layer Control (143) Nov 75  
NTIS/PS-75/824/3G5B
- Wind Shear (200) Dec 75 Excludes wind effects on structures  
NTIS/PS-75/874/8G5B
- Remotely Piloted Vehicles (85) Dec 75 Includes aircraft, drones, and extraterrestrial vehicles  
NTIS/PS-75/876/3G5B
- Cavity Flow. Vol. 1. 1964-1970 (110) Feb 76  
NTIS/PS-76/0040/6G5B
- Cavity Flow. Vol. 2. 1971-1975 (94) Feb 76  
NTIS/PS-76/0041/4G5B
- Aerospace Computer Systems. Part 1. Avionic Applications (158) Jan 76  
NTIS/PS-76/0042/2G5B
- Flight Simulator Training (175) Feb 76  
NTIS/PS-76/0068/7G5B
- Aircraft Wake Vortices (177) Feb 76  
NTIS/PS-76/0072/9G5B
- Aircraft Sonic Boom. Part 1. Aircraft Flight, Aircraft Design, and Measurement (119) Mar 76  
NTIS/PS-76/0175/0G5B
- Aircraft Sonic Boom. Part 2. Effects on Buildings (64) Mar 76  
NTIS/PS-76/0176/8G5B
- Aircraft Sonic Boom. Part 3. Biological Effects (66) Mar 76  
NTIS/PS-76/0177/6G5B
- Parachutes and Decelerators. Vol 1. 1965-1973 (103) Apr 76  
NTIS/PS-76/0258/4G5B
- Parachutes and Decelerators. Vol 2. 1974-1976 (103) Apr 76  
NTIS/PS-76/0259/2G5B
- Flight Simulator Training (151) Apr 76  
NTIS/PS-76/0286/5G5B

### Agriculture and Food

- GRAS (Generally Recognized as Safe) Food Ingredients (253) April 75  
NTIS/PS-75/356/6G5B
- Medical Entomology. Vol.1.1964-1969 (157) 1964-1969  
NTIS/PS-75/361/6G5B
- Food Packaging and Storage (187) 1970-Apr 75  
NTIS/PS-75/380/6G5B
- Sewage and Organic Waste Irrigation (111) May 75  
NTIS/PS-75/460/6G5B
- Sport Fishing (150) Jun 75  
NTIS/PS-75/468/9G5B
- Food Processing Waste Treatment (167) Jun 1975  
NTIS/PS-75/484/6G5B

Synthetic Foods (39) Jun 75 Excludes fish protein concentrates  
NTIS/PS-75/493/7GSB

Animal Waste Pollution and Its Control (117) Jun 75  
NTIS/PS-75/531/4GSB

Food Processing. Vol 2. Jul 1974-Jun 1975 (95) Jul 75  
NTIS/PS-75/576/9GSB

Food Processing. Vol 1. 1964-Jul 1975 (166) Jul 75  
NTIS/PS-75/577/7GSB

Fertilizers (198) Jul 75 Excludes water pollution studies  
NTIS/PS-75/599/1GSB

Agricultural Resources Surveys (81) Aug 75  
NTIS/PS-75/668/4GSB

Oyster Utilization, Biology, and Growth (205) Sep 75  
NTIS/PS-75/718/7GSB

Food Taste (161) Oct 75  
NTIS/PS-75/734/4GSB

Ground Water Pollution. Part 2. Pollution From Irrigation and Fertilization (178) Sep 75  
NTIS/PS-75/740/1GSB

Fish Protein Concentrates (140) Dec 75  
NTIS/PS-75/862/3GSB

Fishway Design and Operation (65) Dec 75  
NTIS/PS-75/868/0GSB

Fisheries Economics. Part 1. Marketing (113) Dec 75  
NTIS/PS-75/882/1GSB

Fisheries Economics. Part 2. General Economic Studies (220) Dec 75  
NTIS/PS-75/883/9GSB

Material Shortages (136) Jan 76 Includes agricultural products, metals, minerals, and other materials except fuels  
NTIS/PS-76/0006/7GSB

Air Pollution Effects on Plants (173) Dec 75  
NTIS/PS-76/0015/8GSB

Aquaculture. Part 1. Fish. Vol 1. 1964-1974 (212) Mar 76 Excludes studies on salmon  
NTIS/PS-76/0244/4GSB

Aquaculture. Part 1. Fish. Vol 2. 1975-Mar 76 (132) Mar 76 Excludes studies on salmon and shellfish  
NTIS/PS-76/0245/1GSB

Aquaculture. Part 2. Shellfish (236) Mar 76  
NTIS/PS-76/0246/9GSB

Aquaculture. Part 3. Salmon (87) Mar 76  
NTIS/PS-76/0247/7GSB

Fishery Law (222) Apr 76  
NTIS/PS-76/0260/0GSB

## Astronomy and Astrophysics

Cosmic Rays (129) 1973-Jan 75  
NTIS/PS-75/134/7GSB

Mars Environment (146) 1971-Sep 75  
NTIS/PS-75/752/6GSB

Cosmology (113) Mar 76  
NTIS/PS-76/0126/3GSB

Solar Eclipses (150) Mar 76  
NTIS/PS-76/0131/3GSB

Quasars, Pulsars and Black Holes (205) Mar 76  
NTIS/PS-76/0134/7GSB

## Atmospheric Sciences

Cloud Seeding (231) Apr 75 Includes effects on water resources  
NTIS/PS-75/395/4GSB

Atmospheric Modeling of Air Pollution (140) May 75 Excludes stratospheric studies  
NTIS/PS-75/476/2GSB

Precipitation Washout (73) Jun 75 Includes radioactive, pollution, and aerosol washout studies  
NTIS/PS-75/517/3GSB

Chemical Analysis of Aerosols and Airborne Particulates (102) Jun 75 Excludes sampling and particle size analysis  
NTIS/PS-75/527/2GSB

Nitrogen Oxide Air Pollution. Part 3. Atmospheric Chemistry (81) Jul 75  
NTIS/PS-75/609/8GSB

Atmospheric Echo Sounding (58) Aug 75  
NTIS/PS-75/641/1GSB

Atmospheric Effects on Laser Beams (227) Aug 75  
NTIS/PS-75/670/0GSB

Weather Modification Effects and Management (117) Sep 75 Excludes theory and physics of cloud seeding and nucleation  
NTIS/PS-75/722/9GSB

Fog Dispersal (177) Oct 75  
NTIS/PS-75/750/0GSB

Clear Air Turbulence (232) Oct 75  
NTIS/PS-75/761/7GSB

Ice Fog (45) Oct 75  
NTIS/PS-75/770/8GSB

Paleoclimatology (66) Nov 75  
NTIS/PS-75/851/6GSB

Wind Effects. Part 1. Buildings and Bridges (83) Dec 75  
NTIS/PS-75/870/6GSB

Wind Effects. Part 2. General Structures (67) Dec 75 Excludes buildings and bridges  
NTIS/PS-75/871/4GSB

Wind Shear (200) Dec 75 Excludes wind effects on structures  
NTIS/PS-75/874/8GSB

Hurricanes: Forecasting, Modification, and Research (211) Jan 76  
NTIS/PS-76/0027/3GSB

The Chemistry and Physics of Ozone in the Stratosphere (142) Jan 76  
NTIS/PS-76/0029/9GSB

Ice and Fog: Detection and Warning Systems (91) Feb 76  
NTIS/PS-76/0096/8GSB

Solar Eclipses (150) Mar 76  
NTIS/PS-76/0131/3GSB

Air Pollution Tracer Studies in the Lower Atmosphere (55) Mar 76  
NTIS/PS-76/0144/6GSB

Automobile Air Pollution. Part 6... Atmospheric Motion (54) 1970-Feb 76  
NTIS/PS-76/0189/1GSB

Atmospheric Particle Detectors (120) Mar 76 Excludes studies on the chemical analysis of particles  
NTIS/PS-76/0219/6GSB

Hail: Meteorology, Damage, Prevention, and Forecasting (241) Mar 76  
NTIS/PS-76/0256/8GSB

## Behavior and Society

Probation and Parole (55) Jan 75  
NTIS/PS-75/145/3GSB

Drug Abuse (113) Jan 75  
NTIS/PS-75/147/9GSB

Attitudes, Opinions, and Motivations among Adolescents (186) Feb 75  
NTIS/PS-75/232/9GSB

Public Opinion and Sociology of Water Resource Development (82) 1970-Apr 75  
NTIS/PS-75/373/1GSB

Arms Control (234) Apr 75  
NTIS/PS-75/393/9GSB

Crimes and Crime Prevention (134) May 75  
NTIS/PS-75/425/9GSB

Blindness (113) May 75  
NTIS/PS-75/427/5GSB

Police (200) Jun 75  
NTIS/PS-75/443/2GSB

Drinking Drivers (91) Jun 75  
NTIS/PS-75/505/8GSB

Alcoholism (95) Jun-75 Excludes drinking drivers  
NTIS/PS-75/506/6GSB

The Elderly (174) Jun 75  
NTIS/PS-75/548/8GSB

Computer Aided Instruction. Vol 2. 1974-May 1975 (75) Jul 75  
NTIS/PS-75/556/1GSB

Computer Aided Instruction. Vol 1. 1970-1974 (217) Jul 75  
NTIS/PS-75/557/9GSB

Water Rights and Water Law. Vol 2. 1974-1975 (99) July 75  
NTIS/PS-75/558/7GSB

Water Rights and Water Law. Vol 1. 1964-1973 (122) July 75  
NTIS/PS-75/559/5GSB

Wages, Salaries, Earnings. Vol 2. 1974-May 1975 (64) Jul 75  
NTIS/PS-75/567/8GSB

Wages, Salaries, and Earnings. Vol 1. 1964-1973 (168) Jul 75  
NTIS/PS-75/568/6GSB

Quality of Life in the Urban Environment (166) 1970-Jun 75  
NTIS/PS-75/570/2GSB

Insurance. Part 1. General, Life, and Unemployment Insurance (83) Jul 75 Excludes health and hospitalization insurance  
NTIS/PS-75/604/9GSB

Insurance. Part 2. Automobile and Other Transportation Insurance (55) Jul 75  
NTIS/PS-75/605/6GSB



- Insurance. Part 3. Property, Housing, and Disaster Insurance (70) Jul 75  
NTIS/PS-75/606/4GSB
- Motor Vehicle Operator Behavior (119) Aug 75 Excludes studies on the effects of stress, alcohol, and vision characteristics  
NTIS/PS-75/619/7GSB
- Driver Performance under Abnormal Conditions. Physical Impairment, Drugs, Gases (43) Aug 75 Excludes alcohol effects  
NTIS/PS-75/620/5GSB
- Juvenile Delinquency (195) Aug 75  
NTIS/PS-75/626/2GSB
- Youth Programs (142) Sep 75  
NTIS/PS-75/650/2GSB
- The Use of Mass Media by Local and Regional Governments (77) Aug 75  
NTIS/PS-75/653/6GSB
- Housing (211) 1970-Aug 75  
NTIS/PS-75/654/4GSB
- Speech Intelligibility (185) Aug 75  
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- Riots and Riot Control (127) Sep 75  
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- Human Work Measurement (66) Oct 75 Excludes physiological effects.  
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- Intrusion and Weapon Detection: Crime Prevention (77) Nov 75 Divided into two parts- civil development and military development with civil possibilities  
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- Industrial Psychology (177) Nov 75  
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- Negroes in the U.S.-Social, Industrial, and Behavioral Interactions. Vol 1. 1965-1972 (122) Nov 75  
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- Negroes in the U.S.-Social, Industrial, and Behavioral Interactions. Vol 2. 1973-Sep 75 (99) Nov 75  
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- Information Processing in Humans. Vol 1. 1964-1973 (209) Dec 73  
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- Information Processing in Humans. Vol 2. 1974-Nov 75 (89) Nov 75  
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- Archaeology: Site Studies, Activation Analysis, Preservation, and Remote Sensing (114) Dec 75  
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- Natural Language Processing (199) Dec 75  
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- Health Manpower (126) Nov 75 Excludes allied health personnel  
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- Contraceptives and Birth Control (51) Dec 75  
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- Social Indicators (50) Jan 76  
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- Behavior and Physiological Effects of Noise. Vol 1. 1964-1972 (199) 1964-Oct 72  
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- Behavior and Physiological Effects of Noise. Vol 2. 1972-1975 (119) 1972-Dec 75  
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- Individualized Instruction (32) Jan 76  
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- Historical Background Studies of the National Park Service (193) Feb 76  
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- Flight Simulator Training (175) Feb 76  
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- Effects of Fatigue on Human Behavior and Performance (121) Jan 76  
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- Career Development. Part 1. Military Careers (224) Feb 76  
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- Outdoor Recreation (155) Mar 76 Excludes studies primarily on boating and sport fishing  
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- Public Attitudes Toward Highways and Highway Transportation (93) Mar 76  
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- Deterrence and Detente (107) Mar 76  
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- Social Change (168) March 76 Effects of environmental, economic, technological conditions on people and society.  
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- Vocational Education and Training for the Non-Handicapped (69) Mar 76  
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- Human Aggression (57) Mar 76  
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- Adult Education (128) Mar 76  
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- Labor Relations. Vol. 1. 1964-1974 (169) Mar 76 Excludes job satisfaction, bargaining, and productivity  
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- Labor Relations. Vol. 2. 1975-March 1976 (71) Mar 76 Excludes job satisfaction, bargaining, and productivity  
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- Fishery Law (222) Apr 76  
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- Population Mobility (165) Apr 76  
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- Simulators in Education and Training (186) Apr 76 Excludes flight simulator training  
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- Work Attitudes in the Civilian Sector (187) Apr 76  
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- Electromagnetic Shielding. Vol 2. 1972-1975 (78) Apr 75  
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- Bionics (53) May 75  
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- Artificial Intelligence (80) May 75  
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- Artificial Kidneys (182) 1968-Apr 75  
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- Health Care Delivery (137) May 75  
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- Mechanical Hearts. Vol. 1. 1969-1973. (173) May 75  
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- Mechanical Hearts. Vol. 2. 1974-1975. (77) May 75  
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- Blindness (113) May 75  
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- Artificial Limbs (115) 1968-May 75  
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- Biocompatible Materials. Vol. 1. 1964-1973 (147) 1964-1973  
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- Biocompatible Materials. Vol. 2. 1974-June 1975 (96) 1974-June 75  
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- Preventive Medicine (107) Jun 75  
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- Computer Technology in Medicine (192) 1972-June 7  
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- Cryobiology (106) Jun-75  
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- Medicare and Medicaid Programs--Utilization and Evaluation (88) Oct 75  
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- Signs and Display Systems: Graphic Design and Human Engineering (107) Nov 75 Signs and Display Systems: Graphic Design and Human Engineering  
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- Color Vision Jan 76  
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- Protective Clothing. Part 1. Arctic and Tropical Environments (80) Apr 76  
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- Protective Clothing. Part 2. Fire and Radiation Environments (68) Apr 76  
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- Protective Clothing. Part 3. Survival, Aircraft, and Combat Environments (112) Apr 76  
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- Protective Clothing. Part 4. Industrial Environments (57) Apr 76  
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- ### Building Technology
- Structural Foundations in Soils, Ice, Snow, and Permafrost. Vol. 1. 1964-1971 (135) Jan 75 Excludes subway and seabed construction  
NTIS/PS-75/282/4GSB
- Structural Foundations in Soils, Ice, Snow, and Permafrost. Vol. 2. 1972-1974 (57) Jan 75 Excludes subway and seabed construction  
NTIS/PS-75/283/2GSB
- Architectural Construction Materials. Part 1. Non Concrete (189) May 75 Excludes concretes, bridges, pavements, airfields, cold weather construction, composites, and earthquake resistant construction  
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- Architectural Construction Materials. Part 2. Concrete and Cement (127) May 75 Excludes non-concretes, bridges, pavements, airfields, cold weather construction, composites, and earthquake resistant construction  
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- Construction Equipment (174) May 75 Excludes translations  
NTIS/PS-75/391/3GSB
- Cold Weather Construction (99) May 75 Excludes permafrost construction  
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- Structural Mechanics Software (185) May 75  
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- Stress Crack Phenomena (186) Jun 75 Excludes rock mechanics and mathematical analysis  
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- Mathematical Analysis of Stress Cracks. Vol 1. 1964-1973 (207) June 75  
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- Mathematical Analysis of Stress Cracks. Vol 2. 1974-May 75 (109) June 75  
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- Concrete Polymer Composites (90) Jun 75  
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- Finite Elements in Structural Analysis (70) Jun 75  
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- Industrialized Housing (183) Jul 75  
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- Earthquake Engineering: Buildings, Bridges, Dams and Related Structures. Vol 1. (172) 1964-1973  
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- Earthquake Engineering: Buildings, Bridges, Dams, and Related Structures. Vol.2. (127) 1974-Jul 75  
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- Building Fires (137) Sep 75  
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- Solar Space Heating and Air Conditioning (123) Sep 75  
NTIS/PS-75/689/0GSB
- Fire Alarms and Fire Detectors (120) Oct 75  
NTIS/PS-75/793/0GSB
- Pine Wood (65) Oct 75 Covers pine wood products, uses, and properties  
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- Wood Bonding (99) Dec 75  
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- Wind Effects. Part 1. Buildings and Bridges (83) Dec 75  
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- Wind Effects. Part 2. General Structures (67) Dec 75 Excludes buildings and bridges  
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- Prestressed Concrete Technology (181) Feb 76  
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- Particle Boards and Fiberboards: Fabrication, Use, and Properties (115) Feb 76  
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- Particle Boards: Fabrication, Use, and Properties. (154) Mar 76 (Ei)  
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- Fiberboards: Fabrication, Use, and Properties. Vol. 1. 1970-1974 (223) Mar 76 (Ei)  
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- Fiberboards: Fabrication, Use, and Properties. Vol. 2. 1975-Jan 1976 (121) Mar 76 (Ei)  
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- Aircraft Sonic Boom. Part 2. Effects on Buildings (64) Mar 76  
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- Total Energy Systems for Buildings (46) Apr 76 Includes Modular Integrated Utility Systems  
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- Total Energy Systems for Buildings (55) Apr 76 Includes Modular Integrated Utility Systems (Ei)  
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- Construction Management (147) Apr 76  
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- ### Business and Economics
- Telecommunications--Economic Studies (66) May 75  
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- Economic Models. Vol 1. 1964-Apr 1974 (161) May 75  
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- Economic Models. Vol 2. Apr 1974-Apr 1975 (140) May 75  
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- Consumer Products and Consumer Affairs (41) May 75  
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- Noise Pollution Economics (27) Jun 75  
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- Air Pollution Economics (240) Jun 75  
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- Solid Waste Disposal Economics (101) Jun 75  
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- Water Pollution Economics (280) Jun 75 Excludes sewage treatment  
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- Wages, Salaries, Earnings. Vol 2. 1974-May 1975 (64) Jul 75  
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- Insurance. Part 1. General, Life, and Unemployment Insurance (83) Jul 75 Excludes health and hospitalization insurance  
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- Insurance. Part 2. Automobile and Other Transportation Insurance (55) Jul 75  
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- Insurance. Part 3. Property, Housing, and Disaster Insurance (70) Jul 75  
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- Effects of Inflation (70) Aug 75  
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- Development of Forest Industries (109) Nov 75  
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- Revenue Sharing (45) Nov 75  
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- Economic Development of Ethnic Minorities (122) Dec 75  
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- Federal Individual Income Tax Return Data by ZIP Code Dec 75  
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- Fisheries Economics. Part 1. Marketing (113) Dec 75  
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- Material Shortages (136) Jan 76 Includes agricultural products, metals, minerals, and other materials except fuels  
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- Federal Trade Commission Advertising Substantiation Program (212) Jan 76  
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- Financing and Taxation For Urban Control of Pollution (134) Mar 76  
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- Housing Taxation and Financing by the Federal, State, and Local Governments (104) Mar 76  
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- Financing Urban Transportation. Part 1. General Studies (84) 1970-Mar 76  
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- Financing Urban Transportation. Part 2. Local Studies (138) 1970-Mar 76  
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- Economic Factors in Regional Water Supply Management. Vol 1. 1964-1973 (199) Mar 76  
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- Labor Relations. Vol. 1. 1964-1974 (169) Mar 76 Excludes job satisfaction, bargaining, and productivity  
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- Mercury Pollution (113) Dec 74 Excludes toxicity and pollution effects  
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- Hazardous Material Waste Disposal (92) Dec 74 Excludes radioactive wastes  
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- Hazardous Materials Transportation (126) Dec 74 Excludes radioactive wastes  
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- Chemical Analysis of Steels (110) Feb 75  
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- Polywater (34) Apr 75  
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- Desulfurization of Coal and Petroleum (107) Apr 75 Excludes flue gas and other post-combustion sulfur control  
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- Sulfur Dioxide Control. Vol 2. 1973-May 1975 (94) May 75 Excludes fuel desulfurization  
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- Activated Carbon (221) May 75 Includes activated carbon treatment of sewage  
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- Chemical Vapor Deposition (211) May 75  
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- Drag Reducing Fluids (158) 1969-Jun 75  
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- Chemical Analysis of Aerosols and Airborne Particulates (102) Jun 75 Excludes sampling and particle size analysis  
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- Waste Processing and Pollution in the Chemical and Petrochemical Industries (212) Jun 75  
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- Electrostatic Precipitators for Air Pollution Control (88) Jul 75  
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- The Synthesis and Properties of Polyurethane Resins. Vol 2. 1964-1972 (143) Oct 75 Excludes polyurethane foams  
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- The Synthesis and Properties of Polyurethane Resins. Vol 1. 1973-Sep 1975 (81) Oct 75 Excludes polyurethane foams  
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- Fire Resistance of Fibers and Textiles (170) Oct 75 Includes fiber preparation and additives, standards, textile burning studies, and consumer aspects  
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- Detection and Sampling of Combustion Products in Flue Gases (97) Nov 75  
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- Chemical and Biological Warfare. Part 1. Detection and Warning Systems (87) Nov 75  
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- The Chemistry and Physics of Ozone in the Stratosphere (142) Jan 76  
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- Water Pollution Analysis and Detection. Vol 1. 1970-June 1974 (145) Jan 76 Excludes oil spill detection and analysis  
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- Water Pollution Analysis and Detection. Vol 2. July 1974-January 1976 (101) Jan 76 Excludes oil spill detection and analysis  
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- Laser Raman Spectroscopy (90) 1970-Feb 76  
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- Acrylic Resins. Part 1. Acrylonitrile Polymers (86) Mar 76 Covers fabrication, polymerization, and properties  
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NTIS/PS-75/365/7GGSB

Electromagnetic Shielding. Vol 1. 1964-1971 (162) Apr 75  
NTIS/PS-75/366/5GGSB

Electromagnetic Shielding. Vol 2. 1972-1975 (78) Apr 75  
NTIS/PS-75/367/3GGSB

Architectural Construction Materials. Part 1. Non Concrete (189) May 75 Excludes concretes, bridges, pavements, airfields, cold weather construction, composites, and earthquake resistant construction  
NTIS/PS-75/389/7GGSB

Architectural Construction Materials. Part 2. Concrete and Cement (127) May 75 Excludes non-concretes, bridges, pavements, airfields, cold weather construction, composites, and earthquake resistant construction  
NTIS/PS-75/390/5GGSB

Construction Equipment (174) May 75 Excludes translations  
NTIS/PS-75/391/3GGSB

Cold Weather Construction (99) May 75 Excludes permafrost construction  
NTIS/PS-75/394/7GGSB

Mathematical Analysis of Stress Cracks. Vol 1. 1964-1973 (207) June 75  
NTIS/PS-75/466/3GGSB

Mathematical Analysis of Stress Cracks. Vol 2. 1974-May 75 (109) June 75  
NTIS/PS-75/467/1GGSB

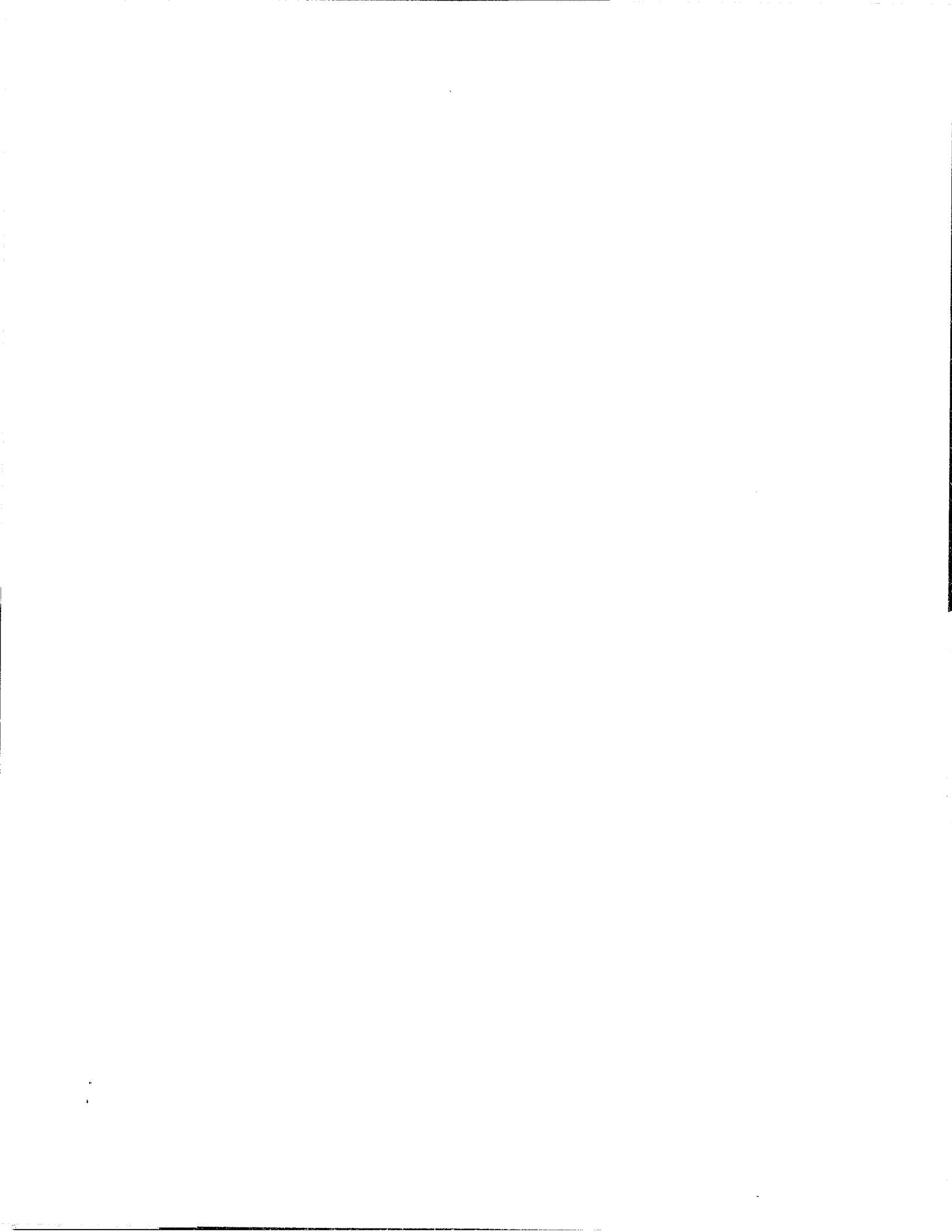
Erosion Control (138) May 75 Excludes soil stabilization  
NTIS/PS-75/469/7GGSB

Soil Stabilization (167) May 75 Excludes erosion control  
NTIS/PS-75/470/5GGSB

Concrete Polymer Composites (90) Jun 75  
NTIS/PS-75/475/4GGSB

Airfield Pavements. Vol 1. 1964-1970 (159) Jun 75  
NTIS/PS-75/518/1GGSB

- Airfield Pavements. Vol 2. 1971-1972 (123) Jun 75  
NTIS/PS-75/519/9GSB
- Airfield Pavements. Vol 3. 1973-1975 (111) Jun 75  
NTIS/PS-75/520/7GSB
- Tunnel Construction (180) Jul 75  
NTIS/PS-75/550/4GSB
- Flood Control (258) 1972-Jun 75  
NTIS/PS-75/552/0GSB
- Breakwaters (186) Jun 75  
NTIS/PS-75/553/8GSB
- Earthquake Engineering: Buildings, Bridges, Dams and Related Structures. Vol 1. (172) 1964-1973  
NTIS/PS-75/632/0GSB
- Earthquake Engineering: Buildings, Bridges, Dams, and Related Structures. Vol.2. (127) 1974-Jul 75  
NTIS/PS-75/633/8GSB
- Flexible Highway Pavements. Vol 1. 1964-1969 (245) Aug 75 Excludes bridge decks, landing fields and concrete pavements  
NTIS/PS-75/672/6GSB
- Flexible Highway Pavements. Vol 2. 1970-1974 (299) Aug 75 Excludes bridge decks, landing fields and concrete pavements  
NTIS/PS-75/673/4GSB
- Flexible Highway Pavements. Vol 3. 1975 (41) Aug 75 Excludes bridge decks, landing fields and concrete pavements  
NTIS/PS-75/674/2GSB
- Concrete(Rigid) Highway Pavements. Vol 1. 1964-1970 (204) Aug 75 Excludes bridge decks, landing fields and flexible pavements  
NTIS/PS-75/677/5GSB
- Concrete(Rigid) Highway Pavements. Vol 2. 1971-1973 (131) Aug 75 Excludes bridge decks, landing fields and flexible pavements  
NTIS/PS-75/678/3GSB
- Concrete(Rigid) Highway Pavements. Vol 3. 1974-July 1975 (61) Aug 75 Excludes bridge decks, landing fields and flexible pavements  
NTIS/PS-75/679/1GSB
- Environmental and Ecological Effects of Dredging (136) Oct 75  
NTIS/PS-75/755/9GSB
- Expansion Joints (65) Oct 75 Primarily covers highway and bridge expansion joints  
NTIS/PS-75/795/5GSB
- Snow Removal and Deicing Techniques for Roads and Runways (117) Nov 75  
NTIS/PS-75/829/2GSB
- Wind Effects. Part 1. Buildings and Bridges (83) Dec 75  
NTIS/PS-75/870/6GSB
- Wind Effects. Part 2. General Structures (67) Dec 75 Excludes buildings and bridges  
NTIS/PS-75/871/4GSB
- Bridges: Construction and Construction Materials (223) Dec 75  
NTIS/PS-75/888/8GSB
- Highway Beautification (58) Jan 76  
NTIS/PS-76/0009/1GSB
- Nondestructive Testing of Pavements and Pavement Bases (80) Jan 76  
NTIS/PS-76/0062/0GSB
- Permafrost. Part 1. General Studies (113) Feb 76  
NTIS/PS-76/0069/5GSB
- Permafrost. Part 2. Structural Engineering (188) Feb 76  
NTIS/PS-76/0070/3GSB
- Permafrost Engineering (171) Feb 76 (Ei)  
NTIS/PS-76/0071/1GSB
- Prestressed Concrete Technology (181) Feb 76  
NTIS/PS-76/0098/4GSB
- Highway Markings (92) Apr 76  
NTIS/PS-76/0294/9GSB
- Highway Safety Structures (142) Apr 76  
NTIS/PS-76/0295/6GSB
- Construction Management (147) Apr 76  
NTIS/PS-76/0297/2GSB
- Communication**
- Acoustic Surface Waves. Vol. 1. 1964-1972 (75) Jan 75  
NTIS/PS-75/248/5GSB
- Acoustic Surface Waves. Vol. 2. 1973-1974 (137) Jan 75  
NTIS/PS-75/249/3GSB
- Microwave Communication (163) Jan 75  
NTIS/PS-75/250/1GSB
- Electromagnetic Shielding. Vol 1. 1964-1971 (162) Apr 75  
NTIS/PS-75/366/5GSB
- Electromagnetic Shielding. Vol 2. 1972-1975 (78) Apr 75  
NTIS/PS-75/367/3GSB
- Walsh Functions (55) Apr 75  
NTIS/PS-75/378/0GSB
- Information and Communication Theory (124) May 75  
NTIS/PS-75/398/8GSB
- Telecommunications--Economic Studies (66) May 75  
NTIS/PS-75/400/2GSB
- Cable Television (75) Apr 75  
NTIS/PS-75/404/4GSB
- Light Communication Systems (151) Apr 75  
NTIS/PS-75/412/7GSB
- Fiber Optics (147) 1969-May 75  
NTIS/PS-75/420/0GSB
- Microforms. Vol 1. 1964-1973 (187) Jun 75  
NTIS/PS-75/434/1GSB
- Microforms. Vol 2. 1973-Apr 75 (74) Jun 75  
NTIS/PS-75/435/8GSB
- Single Sideband Communications (86) Apr 75  
NTIS/PS-75/449/9GSB
- Tropospheric Scatter Communications (98) Apr 75  
NTIS/PS-75/459/8GSB
- Speech Recognition by Computer (168) Jun 75  
NTIS/PS-75/495/2GSB
- Telephone Systems (202) Jun 75  
NTIS/PS-75/516/5GSB
- Computer Networks (245) Jun 75  
NTIS/PS-75/524/9GSB
- Land Mobile Communications (51) Jun 75  
NTIS/PS-75/546/2GSB
- Portable Radio Equipment (65) Jun 75  
NTIS/PS-75/547/0GSB
- Mine Safety. Part 2. Communication and Position Finding Systems (53) June 1975  
NTIS/PS-75/563/7GSB
- Telecommunications in Medicine (36) Jul 75  
NTIS/PS-75/580/1GSB
- Applications of the Fast Fourier Transform (181) Aug 75  
NTIS/PS-75/645/2GSB
- Speech Intelligibility (185) Aug 75  
NTIS/PS-75/669/2GSB
- Atmospheric Effects on Laser Beams (227) Aug 75  
NTIS/PS-75/670/0GSB
- Vocoders (90) Aug 75  
NTIS/PS-75/680/9GSB
- Network Flows (138) Sep 75 Includes Applied Studies  
NTIS/PS-75/694/0GSB
- Electroluminescent Display Devices (114) Sep 75  
NTIS/PS-75/742/7GSB
- Psycholinguistics (67) Oct 75  
NTIS/PS-75/747/6GSB
- Frequency Standards (136) Oct 75  
NTIS/PS-75/765/8GSB
- Underwater Voice Communication Systems (92) Oct 75  
NTIS/PS-75/773/2GSB
- Modems (123) Oct 75  
NTIS/PS-75/782/3GSB
- Frequency Synthesizers (87) Oct 75  
NTIS/PS-75/790/6GSB
- Signs and Display Systems: Graphic Design and Human Engineering (107) Nov 75 Signs and Display Systems: Graphic Design and Human Engineering  
NTIS/PS-75/791/4GSB
- Data Compression (120) Dec 75  
NTIS/PS-75/860/7GSB
- Shift Registers (79) Dec 75  
NTIS/PS-75/879/7GSB
- Optical Character Recognition (115) Dec 75  
NTIS/PS-75/892/0GSB
- Impacts and Studies of the Extremely Low Frequency Communication System, Sanguine (106) Jan 76 Includes environmental and biological



**CONTINUED**

**2 OF 3**

- effects of this global communication system  
NTIS/PS-76/0003/4GSB
- Television Systems (114) 1970-Jan 76  
Excludes research on closed circuit television  
NTIS/PS-76/0016/6GSB
- Frequency Allocation and Management (147) Jan 76  
NTIS/PS-76/0054/7GSB
- Band Pass Filters (139) Feb 76  
NTIS/PS-76/0145/3GSB
- Band Pass Filters (154) 1974-1975 Excludes optical filters (Ei)  
NTIS/PS-76/0146/1GSB
- Phased Arrays. Vol 1. 1964-1971 (141) Feb 75  
NTIS/PS-75/337/6GSB
- Phased Arrays. Vol. 2. 1972-February 1976 (195) Apr 76  
NTIS/PS-76/0308/7GSB
- Phased Arrays (165) 1974-Mar 76 (Ei)  
NTIS/PS-76/0309/5GSB
- Antenna Arrays. Vol 1. 1964-1971 (219) Feb 75 Excludes phased arrays  
NTIS/PS-75/303/8GSB
- Antenna Arrays. Vol. 2. 1972-February 1976 (193) Apr 76 Excludes phased arrays  
NTIS/PS-76/0310/3GSB
- Antenna Arrays (147) Apr 76 Excludes phased arrays (Ei)  
NTIS/PS-76/0311/1GSB
- Computers, Control and Information Theory**
- Interactive Computer Graphics (126) 1970-Jan 75  
NTIS/PS-75/158/6GSB
- Computer Software Maintenance (45) Apr 75  
NTIS/PS-75/355/8GSB
- Closed Loop Control Systems (156) April 75  
NTIS/PS-75/364/0GSB
- Walsh Functions (55) Apr 75  
NTIS/PS-75/378/0GSB
- Artificial Intelligence (80) May 75  
NTIS/PS-75/397/0GSB
- Information and Communication Theory (124) May 75  
NTIS/PS-75/398/8GSB
- Machine Translation (127) May 75 Covers several foreign languages  
NTIS/PS-75/411/9GSB
- Computer Software Standards (53) May 75  
NTIS/PS-75/416/8GSB
- Computer Information Security and Protection (167) May 75  
NTIS/PS-75/437/4GSB
- Machine Automation and Numerical Control. Vol 1. 1964-1970 (226) Jun 75  
NTIS/PS-75/480/4GSB
- Machine Automation and Numerical Control. Vol 2. 1971-1973 (166) Jun 75  
NTIS/PS-75/481/2GSB
- Machine Automation and Numerical Control. Vol 3. 1974-Jun 75 (68) Jun 75  
NTIS/PS-75/482/0GSB
- The Use of Computers in Solving Mathematical Problems (228) Jun 75  
NTIS/PS-75/485/3GSB
- Computer Software Reliability (98) Jun 75  
NTIS/PS-75/486/1GSB
- Speech Recognition by Computer (168) Jun 75  
NTIS/PS-75/495/2GSB
- Structured Programming (51) Jun 75  
NTIS/PS-75/501/7GSB
- Control Theory. Vol 1. 1970-1973 (202) Jun 75  
NTIS/PS-75/503/3GSB
- Control Theory. Vol 2. 1974-Jun 75 (113) Jun 75  
NTIS/PS-75/504/1GSB
- Computer Technology in Medicine (192) 1972-Jun 7  
NTIS/PS-75/507/4GSB
- Pattern Recognition (184) Jun 75  
NTIS/PS-75/514/0GSB
- Computer Networks (245) Jun 75  
NTIS/PS-75/524/9GSB
- Computer Storage Management (129) Jun 75  
NTIS/PS-75/528/0GSB
- Minicomputers (258) Jul 75  
NTIS/PS-75/572/8GSB
- Programming Language Design (127) Jul 75  
NTIS/PS-75/588/4GSB
- Automatic Programming (40) Jul 75  
NTIS/PS-75/594/2GSB
- Applications of the Fast Fourier Transform (181) Aug 75  
NTIS/PS-75/645/2GSB
- Trends in Computer Technology (43) Aug 75  
NTIS/PS-75/657/7GSB
- Magnetic Bubble Domains (55) Sep 75  
NTIS/PS-75/686/6GSB
- Network Flows (138) Sep 75 Includes Applied Studies  
NTIS/PS-75/694/0GSB
- Integration of Partial Differential Equations (138) Sep 75  
NTIS/PS-75/702/1GSB
- Automata Theory (159) Sep 75  
NTIS/PS-75/707/0GSB
- Robots (103) Sep 75  
NTIS/PS-75/731/0GSB
- Electroluminescent Display Devices (114) Sep 75  
NTIS/PS-75/742/7GSB
- Computer Performance Evaluation (76) Oct 75  
NTIS/PS-75/753/4GSB
- Read Only Memories (37) Nov 75  
NTIS/PS-75/789/8GSB
- Random Access Memories (68) Nov 75  
NTIS/PS-75/811/0GSB
- Logic Design (147) Nov 75  
NTIS/PS-75/831/8GSB
- Data Compression (120) Dec 75  
NTIS/PS-75/860/7GSB
- Natural Language Processing (199) Dec 75  
NTIS/PS-75/864/9GSB
- Printers (105) Dec 75 Includes computer printers, contact printers, projection printers, and printer readers  
NTIS/PS-75/865/6GSB
- Shift Registers (79) Dec 75  
NTIS/PS-75/879/7GSB
- Optical Character Recognition (115) Dec 75  
NTIS/PS-75/892/0GSB
- Parallel Processors (207) Jan 76  
NTIS/PS-76/0022/4GSB
- Parallel Processors (227) Jan 76 (Ei)  
NTIS/PS-76/0023/2GSB
- Optical Memories (86) Jan 76  
NTIS/PS-76/0034/9GSB
- Aerospace Computer Systems. Part 1. Avionic Applications (158) Jan 76  
NTIS/PS-76/0042/2GSB
- Aerospace Computer Systems. Part 2. Spacecraft and Guided Missile Applications (154) Jan 76  
NTIS/PS-76/0043/0GSB
- Interactive Computer Graphics (204) Jan 76  
NTIS/PS-76/0077/8GSB
- Interactive Computer Graphics (202) Jan 76 (Ei)  
NTIS/PS-76/0078/6GSB
- Switching Circuits (209) Jan 76  
NTIS/PS-76/0089/3GSB
- Switching Circuits (184) Jan 76 (Ei)  
NTIS/PS-76/0090/1GSB
- Symbolic Programming (54) Mar 76  
NTIS/PS-76/0121/4GSB
- Automated Text Editing (108) Mar 76 Covers techniques to compose or format printed or displayed text  
NTIS/PS-76/0181/8GSB
- Microcomputers (99) Mar 76  
NTIS/PS-76/0202/2GSB
- Microcomputers. Vol 1. 1970-1974 (107) Mar 76 (Ei)  
NTIS/PS-76/0203/0GSB
- Microcomputers. Vol 2. 1975-February 1976 (224) Mar 76 (Ei)  
NTIS/PS-76/0204/8GSB
- Semiconductor Computer Storage (116) Mar 76  
NTIS/PS-76/0234/5GSB
- Data Base Management (86) Mar 76  
NTIS/PS-76/0265/9GSB
- Data Base Management (58) Mar 76 (Ei)  
NTIS/PS-76/0266/7GSB
- Detection and Countermeasures**
- Infrared Upconversion (48) Dec 74  
NTIS/PS-75/075/2GSB
- Remote Sensing for Natural Resource, Environmental, and Regional Planning (91) 1973-Jan 75  
NTIS/PS-75/104/0GSB



Electronic Countermeasures and Electronic Counter Countermeasures (91) Jan 75  
NTIS/PS-75/165/1G5B

Electromagnetic Shielding. Vol 1. 1964-1971 (162) Apr 75  
NTIS/PS-75/366/5G5B

Electromagnetic Shielding. Vol 2. 1972-1975 (78) Apr 75  
NTIS/PS-75/367/3G5B

Light Detection and Ranging(LIDAR) (191) May 75  
NTIS/PS-75/402/8G5B

Night Vision Devices (124) Aug 75  
NTIS/PS-75/647/8G5B

Intrusion and Weapon Detection: Crime Prevention (77) Nov 75 Divided into two parts- civil development and military development with civil possibilities  
NTIS/PS-75/809/4G5B

Range Finders (114) Nov 75  
NTIS/PS-75/812/8G5B

Magnetometers (162) Nov 75 Includes only equipment studies  
NTIS/PS-75/830/0G5B

Instrumentation and Data Processing Used in the Earth Resources Technology Satellite (157) 1974-Jan 76  
NTIS/PS-76/0055/4G5B

Ice and Fog: Detection and Warning Systems (91) Feb 76  
NTIS/PS-76/0096/8G5B

Seismic Detection. Part 1. General Studies (155) Mar 76 Excludes detection of nuclear events  
NTIS/PS-76/0206/3G5B

Seismic Detection. Part 2. Nuclear Events. Vol 1. 1970-1972 (135) Mar 76  
NTIS/PS-76/0207/1G5B

Seismic Detection. Part 2. Nuclear Events. Vol 2. 1973-1974 (124) Mar 76  
NTIS/PS-76/0208/9G5B

Seismic Detection. Part 2. Nuclear Events. Vol 3. 1975 (145) Mar 76  
NTIS/PS-76/0209/7G5B

Nonlinear Acoustics (87) Mar 76  
NTIS/PS-76/0235/2G5B

Phased Arrays. Vol 1. 1964-1971 (141) Feb 75  
NTIS/PS-75/337/6G5B

Phased Arrays. Vol. 2. 1972-February 1976 (195) Apr 76  
NTIS/PS-76/0308/7G5B

Phased Arrays (165) 1974-Mar 76 (Ei)  
NTIS/PS-76/0309/5G5B

Antenna Arrays. Vol 1. 1964-1971 (219) Feb 75 Excludes phased arrays  
NTIS/PS-75/303/8G5B

Antenna Arrays. Vol. 2. 1972-February 1976 (193) Apr 76 Excludes phased arrays  
NTIS/PS-76/0310/3G5B

## Electrotechnology

IMPATT Diodes (81) Jan 75  
NTIS/PS-75/149/5G5B

Phase Shifters (119) Jan 75  
NTIS/PS-75/154/5G5B

Beam Lead Microelectronics (36) Jan 75  
NTIS/PS-75/246/9G5B

Integrated Circuit Reliability (173) Jan 75  
NTIS/PS-75/247/7G5B

Acoustic Surface Waves. Vol. 1. 1964-1972 (75) Jan 75  
NTIS/PS-75/248/5G5B

Acoustic Surface Waves. Vol. 2. 1973-1974 (137) Jan 75  
NTIS/PS-75/249/3G5B

Microwave Oscillators. Vol 1. 1964-1974 (118) Jan 75  
NTIS/PS-75/324/4G5B

Electromagnetic Shielding. Vol 1. 1964-1971 (162) Apr 75  
NTIS/PS-75/366/5G5B

Electromagnetic Shielding. Vol 2. 1972-1975 (78) Apr 75  
NTIS/PS-75/367/3G5B

Amorphous Semiconductors (224) Oct 73-Dec 74  
NTIS/PS-75/368/1G5B

Light Emitting Diodes (159) Apr 75  
NTIS/PS-75/415/0G5B

Fiber Optics (147) 1969-May 75  
NTIS/PS-75/420/0G5B

Ferrite Microwave Electronics. Vol 1. 1964-1969 (221) Apr 75  
NTIS/PS-75/457/2G5B

Ferrite Microwave Electronics. Vol 2. 1970-Apr 75 (105) Apr 75  
NTIS/PS-75/458/0G5B

Josephson Junctions (111) Jul 75  
NTIS/PS-75/590/0G5B

Superconducting Magnets (137) Jul 75  
NTIS/PS-75/636/1G5B

Night Vision Devices (124) Aug 75  
NTIS/PS-75/647/8G5B

Ion Implantation (140) Aug 75  
NTIS/PS-75/661/9G5B

Squid Devices (59) Aug 75  
NTIS/PS-75/687/4G5B

Electroluminescent Display Devices (114) Sep 75  
NTIS/PS-75/742/7G5B

Frequency Standards (136) Oct 75  
NTIS/PS-75/765/8G5B

Frequency Synthesizers (87) Oct 75  
NTIS/PS-75/790/6G5B

Magnetometers (162) Nov 75 Includes only equipment studies  
NTIS/PS-75/830/0G5B

Logic Design (147) Nov 75  
NTIS/PS-75/831/8G5B

Radome Technology (181) Nov 75  
NTIS/PS-75/847/4G5B

Shift Registers (79) Dec 75  
NTIS/PS-75/879/7G5B

Schottky Barrier Devices (181) Jan 76  
NTIS/PS-76/0065/3G5B

Schottky Barrier Devices (127) 1975 (Ei)  
NTIS/PS-76/0066/1G5B

Switching Circuits (209) Jan 76  
NTIS/PS-76/0089/3G5B

Switching Circuits (184) Jan 76 (Ei)  
NTIS/PS-76/0090/1G5B

Lightning, Surge, and Transient Protection (146) Feb 76  
NTIS/PS-76/0119/8G5B

Electron Beam Semiconductor Devices (49) Feb 76  
NTIS/PS-76/0122/2G5B

Electron Beam Semiconductor Devices (55) Feb 76 (Ei)  
NTIS/PS-76/0123/0G5B

Band Pass Filters (139) Feb 76  
NTIS/PS-76/0145/3G5B

Band Pass Filters (154) 1974-1975 Excludes optical filters (Ei)  
NTIS/PS-76/0146/1G5B

Printed Circuits. Vol. 1. 1964-1971 (109) Mar 76  
NTIS/PS-76/0154/5G5B

Printed Circuits. Vol. 2. 1972-1975 (107) Mar 76  
NTIS/PS-76/0155/2G5B

Printed Circuits (108) 1975 (Ei)  
NTIS/PS-76/0156/0G5B

Transistor Amplifiers (118) Mar 76  
NTIS/PS-76/0233/7G5B

Semiconductor Computer Storage (116) Mar 76  
NTIS/PS-76/0234/5G5B

Charge Transfer Devices (109) Mar 76  
NTIS/PS-76/0240/2G5B

Charge Transfer Devices (187) 1974-Feb 76 (Ei)  
NTIS/PS-76/0241/0G5B

Strip Transmission Lines (176) Mar 76  
NTIS/PS-76/0254/3G5B

Strip Transmission Lines (130) 1975-Mar 76 (Ei)  
NTIS/PS-76/0255/0G5B

Gunn Effect and Transferred Electron Devices (176) Apr 76  
NTIS/PS-76/0271/7G5B

Gunn Effect Devices (157) Apr 76 (Ei)  
NTIS/PS-76/0272/5G5B

Transferred Electron Devices (155) Apr 76 (Ei)  
NTIS/PS-76/0273/3G5B

Phased Arrays. Vol 1. 1964-1971 (141) Feb 75  
NTIS/PS-75/337/6G5B

Phased Arrays. Vol. 2. 1972-February 1976 (195) Apr 76  
NTIS/PS-76/0308/7G5B

- Phased Arrays (165) 1974-Mar 76 (Ei)  
NTIS/PS-76/0309/5GSB
- Antenna Arrays. Vol 1. 1964-1971 (219)  
Feb 75 Excludes phased arrays  
NTIS/PS-75/303/8GSB
- Antenna Arrays. Vol. 2. 1972-February  
1976 (193) Apr 76 Excludes phased  
arrays  
NTIS/PS-76/0310/3GSB
- Antenna Arrays (147) Apr 76 Excludes  
phased arrays (Ei)  
NTIS/PS-76/0311/1GSB
- Microwave Oscillators. Vol. 2. 1972-  
March 1976 (128) Apr 76  
NTIS/PS-76/0312/9GSB
- Microwave Oscillators (140) 1975-Mar  
76 (Ei)  
NTIS/PS-76/0313/7GSB

## Energy

- Energy Conservation (91) Jan 75  
NTIS/PS-75/214/7GSB
- Fuel Consumption. Part 2. Transporta-  
tion (93) Feb 75  
NTIS/PS-75/342/6GSB
- Fuel Consumption. Part 1. Industrial,  
Residential, and General Studies  
(75) Feb 75  
NTIS/PS-75/343/4GSB
- Wind Power (85) Jan 75  
NTIS/PS-75/348/3GSB
- Oil Shale (137) Apr 75  
NTIS/PS-75/362/4GSB
- Electric Power Consumption (89) Apr  
75  
NTIS/PS-75/363/2GSB
- Thermionics (119) Apr 75  
NTIS/PS-75/372/3GSB
- Geothermal Energy (148) Apr 75  
NTIS/PS-75/377/2GSB
- Hydrogen Energy (86) Apr 75  
NTIS/PS-75/379/8GSB
- Desulfurization of Coal and Petroleum  
(107) Apr 75 Excludes flue gas and  
other post-combustion sulfur con-  
trol  
NTIS/PS-75/381/4GSB
- Coal Gasification and Liquefaction. Vol  
1. 1964-1973 (161) May 75  
NTIS/PS-75/385/5GSB
- Coal Gasification and Liquefaction. Vol  
2. 1974-1975 (90) May 75  
NTIS/PS-75/386/3GSB
- Nickel Cadmium Batteries (163) May 75  
NTIS/PS-75/445/7GSB
- Magnetohydrodynamic Generators in  
Power Generation (105) May 75  
NTIS/PS-75/448/1GSB
- Natural Gas. Part 1. Supply, Demand,  
and Utilization (97) May 75  
NTIS/PS-75/463/0GSB
- Natural Gas. Part 2. Marine Transporta-  
tion (44) May 75  
NTIS/PS-75/464/8GSB
- Lithium Batteries (198) May 75  
NTIS/PS-75/471/3GSB
- Lead Batteries (62) May 75 Includes  
lead acid batteries  
NTIS/PS-75/472/1GSB

- Fuel Cells. Vol 1. 1969-1973 (234) Jun  
75  
NTIS/PS-75/478/8GSB
- Fuel Cells. Vol 2. 1974-Jun 75 (73)  
1974-Jun 75  
NTIS/PS-75/479/6GSB
- Cooling Towers (123) Jun 75  
NTIS/PS-75/549/6GSB
- Silicon Solar Cells (147) Jul 75  
NTIS/PS-75/628/8GSB
- Energy Research Planning (92) Aug 75  
NTIS/PS-75/630/4GSB
- Silver Cells (172) Aug 75  
NTIS/PS-75/649/4GSB
- Synthetic Fuels From Municipal, Indus-  
trial, and Agricultural Wastes (36)  
Aug 75  
NTIS/PS-75/655/1GSB
- Accident Risks in Nuclear Facilities  
(131) Aug 75  
NTIS/PS-75/659/3GSB
- Solar Space Heating and Air Condition-  
ing (123) Sep 75  
NTIS/PS-75/689/0GSB
- Solar Energy Collectors and Concentra-  
tors (117) Aug 75  
NTIS/PS-75/690/8GSB
- Solar Electric Power Generation (144)  
Aug 75  
NTIS/PS-75/691/6GSB
- Optical Coatings for Solar Cells and  
Solar Collectors (89) Aug 75  
NTIS/PS-75/692/4GSB
- Cadmium Sulfide Solar Cells (181) Sep  
75  
NTIS/PS-75/693/2GSB
- Design and Applications of Flywheels  
(69) Sep 75  
NTIS/PS-75/743/5GSB
- Power Plant Siting (96) Sep 75  
NTIS/PS-75/748/4GSB
- Laser Fusion (109) Nov 75  
NTIS/PS-75/783/1GSB
- Electron Beam Fusion (44) Nov 75  
NTIS/PS-75/784/9GSB
- Nuclear Fusion (139) Dec 75 Excludes  
research sponsored by ERDA as  
well as that on laser and electron  
beam fusion  
NTIS/PS-75/850/8GSB
- Time Series Forecasting and Prediction  
(117) Jan 76 Includes studies on  
hydrology, meteorology, manage-  
ment, and energy among others  
NTIS/PS-76/0031/5GSB
- Thermal Pollution. Part 1. Control  
Techniques and General Studies  
(116) Mar 76 Excludes waste heat  
utilization studies  
NTIS/PS-76/0127/1GSB
- Thermal Pollution. Part 2. Biological Ef-  
fects. Vol 1. 1964-1973 (132) Mar 76  
NTIS/PS-76/0128/9GSB
- Thermal Pollution. Part 2. Biological Ef-  
fects. Vol 2. 1974-March 1976 (132)  
Mar 76  
NTIS/PS-76/0129/7GSB
- Thermal Pollution. Part 3. Hydrology and  
Hydrodynamics (177) Mar 76  
NTIS/PS-76/0130/5GSB

- Fluidized Bed Combustion (138) Mar 76  
NTIS/PS-76/0161/0GSB
- Automobile Air Pollution. Part 4. New  
Automotive Engines and Engine Im-  
provements (111) 1970-Feb 1976  
NTIS/PS-76/0187/5GSB
- Automobile Air Pollution. Part 5. Au-  
tomotive Fuels (69) 1970-Feb 76  
NTIS/PS-76/0188/3GSB
- Nuclear Materials Safeguards. Vol 1.  
1964-1974 (287) Mar 76 This  
bibliography does not contain ab-  
stracts  
NTIS/PS-76/0200/6GSB
- Nuclear Materials Safeguards. Vol 2.  
1975-March 1976 (88) Mar 76  
NTIS/PS-76/0201/4GSB
- Petroleum Exploration, Production, and  
Recovery Methods (96) Mar 76 Ex-  
cludes offshore drilling  
NTIS/PS-76/0210/5GSB
- Pollution and Environmental Aspects of  
Fuel Conversion (87) Mar 76  
NTIS/PS-76/0222/0GSB
- Heat Pipes. Vol. 1. 1964-1972 (175) Mar  
76  
NTIS/PS-76/0248/5GSB
- Heat Pipes. Vol. 2. 1973-February 1976  
(191) Mar 76  
NTIS/PS-76/0249/3GSB
- Heat Pipes. Vol. 1. 1970-1973 (125) Mar  
76 (Ei)  
NTIS/PS-76/0250/1GSB
- Heat Pipes. Vol. 2. 1974 Feb 76 (137)  
Mar 76 (Ei)  
NTIS/PS-76/0251/9GSB
- Total Energy Systems for Buildings (46)  
Apr 76 Includes Modular Integrated  
Utility Systems  
NTIS/PS-76/0274/1GSB
- Total Energy Systems for Buildings (55)  
Apr 76 Includes Modular Integrated  
Utility Systems (Ei)  
NTIS/PS-76/0275/8GSB
- Waste Heat Utilization (165) Apr 76 Ex-  
cludes total energy systems  
NTIS/PS-76/0276/6GSB
- Waste Heat Utilization. Vol 1. 1970-1974  
(179) Apr 76 Excludes total energy  
systems (Ei)  
NTIS/PS-76/0277/4GSB
- Waste Heat Utilization. Vol 2. 1975-  
March (71) Apr 76 Excludes total  
energy systems (Ei)  
NTIS/PS-76/0278/2GSB
- Aerodynamic Forces on Motor Vehicles  
(38) Mar 76  
NTIS/PS-76/0283/2GSB
- Regional and Urban Solid Waste  
Disposal. Part 3. Handling and  
Disposal Technology (147) Apr 76  
NTIS/PS-76/0303/8GSB

## Environmental Pollution and Control

- Ecosystem Models (144) Jan 74  
NTIS/PS-75/088/5GSB
- Remote Sensing for Natural Resource,  
Environmental, and Regional  
Planning (91) 1973-Jan 75  
NTIS/PS-75/104/0GSB

- Ecology of Insecticide Water Pollution. Vol 2. 1964-1973 (203) Jan 75  
NTIS/PS-75/108/1G5B
- Coal Mine Waste (51) Dec 74  
NTIS/PS-75/112/3G5B
- Mercury Pollution (113) Dec 74 Excludes toxicity and pollution effects  
NTIS/PS-75/209/7G5B
- Biological Effects of Mercury Pollution (112) Dec 74  
NTIS/PS-75/210/5G5B
- Hazardous Material Waste Disposal (92) Dec 74 Excludes radioactive wastes  
NTIS/PS-75/285/7G5B
- Hazardous Materials Transportation (126) Dec 74 Excludes radioactive wastes  
NTIS/PS-75/286/5G5B
- Oil Shale (137) Apr 75  
NTIS/PS-75/362/4G5B
- Biochemical Oxygen Demand (262) Mar 75  
NTIS/PS-75/375/6G5B
- Desulfurization of Coal and Petroleum (107) Apr 75 Excludes flue gas and other post-combustion sulfur control  
NTIS/PS-75/381/4G5B
- Metal Processing Wastes. Part 2. Water Pollution (112) Apr 75  
NTIS/PS-75/382/2G5B
- Metal Processing Wastes. Part 1. Air Pollution (167) Apr 75  
NTIS/PS-75/383/0G5B
- Septic Tank Design and Use (73) Apr 75 Includes reports dealing with non-septic tank, household sewage treatment systems  
NTIS/PS-75/388/9G5B
- Effects of Land Use and Urbanization on Water Resources (94) 1971-May 75  
NTIS/PS-75/401/0G5B
- Air Pollution Emission Factors (69) May 75  
NTIS/PS-75/410/1G5B
- Salt Marshes (92) May 75  
NTIS/PS-75/426/7G5B
- Radioactivity from Nuclear Power Plants (227) May 75  
NTIS/PS-75/429/1G5B
- Sewage Effects in Marine and Estuarine Environments (136) May 75  
NTIS/PS-75/430/9G5B
- Water Quality Modeling--Hydrological and Limnological Systems (213) Jun 75  
NTIS/PS-75/441/6G5B
- Highway Traffic Noise (101) May 75  
NTIS/PS-75/444/0G5B
- Solid Waste Reclamation and Recycling. Part 1. Packaging and Containers (44) May 75 Excludes studies only dealing with specific materials  
NTIS/PS-75/450/7G5B
- Solid Waste Reclamation and Recycling. Part 2. Plastics. (60) May 75  
NTIS/PS-75/451/5G5B
- Solid Waste Reclamation and Recycling. Part 3. Metals (136) May 75 Includes metal recovery from aqueous industrial waste streams  
NTIS/PS-75/452/3G5B
- Solid Waste Reclamation and Recycling. Part 4. Glass (39) May 75  
NTIS/PS-75/453/1G5B
- Solid Waste Recycling and Reclamation. Part 5. Paper (59) May 75  
NTIS/PS-75/454/9G5B
- Sulfur Dioxide Control. Vol 2. 1973-May 1975 (94) May 75 Excludes fuel desulfurization  
NTIS/PS-75/455/6G5B
- Sulfur Dioxide Control. Vol 1. 1964-1972 (159) May 75  
NTIS/PS-75/456/4G5B
- Sewage and Organic Waste Irrigation (111) May 75  
NTIS/PS-75/460/6G5B
- Activated Carbon (221) May 75 Includes activated carbon treatment of sewage  
NTIS/PS-75/461/4G5B
- Ocean Waste Disposal (164) May 75 Excludes thermal effluents  
NTIS/PS-75/462/2G5B
- Atmospheric Modeling of Air Pollution (140) May 75 Excludes stratospheric studies  
NTIS/PS-75/476/2G5B
- Food Processing Waste Treatment (167) Jun 1975  
NTIS/PS-75/484/6G5B
- Aircraft Air Pollution (193) Jun 75 Includes studies of exhaust from supersonic aircraft and from around airports  
NTIS/PS-75/491/1G5B
- Synthetic Foods (39) Jun 75 Excludes fish protein concentrates  
NTIS/PS-75/493/7G5B
- Supertankers and Superports (81) Jun 75 Includes environmental considerations  
NTIS/PS-75/510/8G5B
- Precipitation Washout (73) Jun 75 Includes radioactive, pollution, and aerosol washout studies  
NTIS/PS-75/517/3G5B
- Chemical Analysis of Aerosols and Airborne Particulates (102) Jun 75 Excludes sampling and particle size analysis  
NTIS/PS-75/527/2G5B
- Air Quality Monitoring (181) Jun 75  
NTIS/PS-75/529/8G5B
- Airport Noise (138) Jun 75  
NTIS/PS-75/530/6G5B
- Animal Waste Pollution and Its Control (117) Jun 75  
NTIS/PS-75/531/4G5B
- Noise Pollution Economics (27) Jun 75  
NTIS/PS-75/534/8G5B
- Air Pollution Economics (240) Jun 75  
NTIS/PS-75/535/5G5B
- Solid Waste Disposal Economics (101) Jun 75  
NTIS/PS-75/536/3G5B
- Water Pollution Economics (280) Jun 75 Excludes sewage treatment  
NTIS/PS-75/537/1G5B
- Offshore Drilling (116) Jun 75 Includes environmental impacts  
NTIS/PS-75/540/5G5B
- Waste Processing and Pollution in the Chemical and Petrochemical Industries (212) Jun 75  
NTIS/PS-75/541/3G5B
- Oil Spill Removal (202) Jun 74  
NTIS/PS-75/542/1G5B
- Urban Noise Pollution (79) Jul 75  
NTIS/PS-75/544/7G5B
- Urban Air Pollution (172) Jul 75 Includes only studies deemed of general interest to urban planners  
NTIS/PS-75/545/4G5B
- Cooling Towers (123) Jun 75  
NTIS/PS-75/549/6G5B
- Water Rights and Water Law. Vol 2. 1974-1975 (99) July 75  
NTIS/PS-75/558/7G5B
- Water Rights and Water Law. Vol 1. 1964-1973 (122) July 75  
NTIS/PS-75/559/5G5B
- Waste Treatment by Reverse Osmosis and Membrane Processes (117) Jul 75 Excludes desalination of natural waters  
NTIS/PS-75/574/4G5B
- Aquatic Weed Control (93) Jul 75  
NTIS/PS-75/581/9G5B
- Wastewater Treatment Using Flocculation, Coagulation, and Flotation (140) Jul 75  
NTIS/PS-75/582/7G5B
- Sewage Filtration (113) Jul 75  
NTIS/PS-75/583/5G5B
- Phosphorus Removal in Sewage Treatment Systems (131) Jul 75  
NTIS/PS-75/585/0G5B
- Nitrogen Removal in Sewage Treatment Systems (113) Jul 75  
NTIS/PS-75/586/8G5B
- Electrostatic Precipitators for Air Pollution Control (88) Jul 75  
NTIS/PS-75/587/6G5B
- Activated Sludge Treatment (256) Jul 75 Excludes sludge disposal  
NTIS/PS-75/589/2G5B
- Oil Pollution Detection and Sensing (176) Jul 75  
NTIS/PS-75/595/9G5B
- Urban Sewage Treatment Planning (175) 1970-Jul 75  
NTIS/PS-75/596/7G5B
- Urban Storm Sewers and Water Runoff. Vol 2. 1974-Jun 1975. (105) Jul 75  
NTIS/PS-75/602/3G5B
- Urban Storm Sewers and Water Runoff. Vol 1. 1964-1973 (177) Jul 75  
NTIS/PS-75/603/1G5B
- Nitrogen Oxide Air Pollution. Part 1. Control Technology (191) Jul 75  
NTIS/PS-75/607/2G5B
- Nitrogen Oxide Air Pollution. Part 2. Detection and Analysis (137) Jul 75  
NTIS/PS-75/608/0G5B
- Nitrogen Oxide Air Pollution. Part 3. Atmospheric Chemistry (81) Jul 75  
NTIS/PS-75/609/8G5B

- Nitrogen Oxide Air Pollution. Part 4. Biological Effects (49) Jul 75  
NTIS/PS-75/610/6GSB
- Nitrogen Oxide Air Pollution. Part 5. Emissions Studies (225) Jul 75  
NTIS/PS-75/611/4GSB
- Pollution and Its Control In the Paper and Pulp Industry (167) Jul 75  
NTIS/PS-75/638/7GSB
- Automatic Acquisition of Water Quality Data (140) 1970-Jul 75  
NTIS/PS-75/639/5GSB
- DDT, DDD, and DDE Pesticides (150) Jul 75  
NTIS/PS-75/640/3GSB
- Fly Ash (171) Aug 75  
NTIS/PS-75/646/0GSB
- Synthetic Fuels From Municipal, Industrial, and Agricultural Wastes (36) Aug 75  
NTIS/PS-75/655/1GSB
- Accident Risks in Nuclear Facilities (131) Aug 75  
NTIS/PS-75/659/3GSB
- Sanitary Landfills (194) Aug 75  
NTIS/PS-75/676/7GSB
- Cadmium Pollution (143) Aug 75  
NTIS/PS-75/681/7GSB
- Network Flows (138) Sep 75 Includes Applied Studies  
NTIS/PS-75/694/0GSB
- Water Quality Management in Estuaries and Coastal Zones (214) Sep 75 Excludes specific biological and oceanographic studies  
NTIS/PS-75/698/1GSB
- Oil Water Separators (89) Sep 75 Primarily concerns ballast water and oil spill separation  
NTIS/PS-75/710/4GSB
- Polychlorinated Biphenyls in the Environment (52) Sep 75  
NTIS/PS-75/713/8GSB
- Acid Mine Drainage (150) Sep 75  
NTIS/PS-75/714/6GSB
- Preparation and Evaluation of Environmental Impact Statements (60) 1970-Sep 75  
NTIS/PS-75/717/9GSB
- Odor Pollution (186) Sep 75  
NTIS/PS-75/723/7GSB
- Textile Processing Wastes (72) Sep 75  
NTIS/PS-75/729/4GSB
- Water Resources In Arid and Semiarid Regions (68) Sep 75  
NTIS/PS-75/737/7GSB
- Ground Water Pollution. Part 1. General Studies (193) Sep 75 Excludes studies dealing with irrigation and fertilization  
NTIS/PS-75/739/3GSB
- Ground Water Pollution. Part 2. Pollution From Irrigation and Fertilization (178) Sep 75  
NTIS/PS-75/740/1GSB
- Ground Water Pollution. Part 3. Saline Ground Water (90) Sep 75  
NTIS/PS-75/741/9GSB
- Asbestos and Silicate Pollution (111) Oct 75 Includes silicosis and asbestosis  
NTIS/PS-75/746/8GSB
- Strip Mining (145) Oct 75  
NTIS/PS-75/751/8GSB
- Environmental and Ecological Effects of Dredging (136) Oct 75  
NTIS/PS-75/755/9GSB
- Toxicity of Pesticides (188) Oct 75  
NTIS/PS-75/756/7GSB
- Air Pollution Effects on Materials (82) Oct 75  
NTIS/PS-75/760/9GSB
- Maneuvering Aircraft: Noise Pollution and Control. (170) Oct 75 Covers takeoff, landing, and flyby noise excluding sonic boom  
NTIS/PS-75/762/5GSB
- Beryllium Pollution (80) Oct 75  
NTIS/PS-75/772/4GSB
- Shipboard Sewage Treatment (48) Oct 75  
NTIS/PS-75/788/0GSB
- Bioindicators of Pollution (167) Nov 75  
NTIS/PS-75/796/3GSB
- Industrial Health Hazards Due to Atmospheric Factors (202) 1970-Aug 75  
NTIS/PS-75/800/3GSB
- Detection and Sampling of Combustion Products in Flue Gases (97) Nov 75  
NTIS/PS-75/828/4GSB
- Environmental Carcinogens (158) Oct 75  
NTIS/PS-75/844/1GSB
- Ecosystem Models (214) Nov 75  
NTIS/PS-75/846/6GSB
- Impacts and Studies of the Extremely Low Frequency Communication System, Sanguine (106) Jan 76 Includes environmental and biological effects of this global communications system  
NTIS/PS-76/0003/4GSB
- Diesel Engine Exhaust (114) Jan 76  
NTIS/PS-76/0007/5GSB
- Electrodialysis Desalination (117) Jan 76  
NTIS/PS-76/0011/7GSB
- Electrodialysis Desalination (64) Jan 76 (E)  
NTIS/PS-76/0012/5GSB
- Behavior and Physiological Effects of Noise. Vol 1. 1964-1972 (199) 1964-Oct 72  
NTIS/PS-76/0013/3GSB
- Behavior and Physiological Effects of Noise. Vol 2. 1972-1975 (119) 1972-Dec 75  
NTIS/PS-76/0014/1GSB
- Air Pollution Effects on Plants (173) Dec 75  
NTIS/PS-76/0015/8GSB
- Sediment-Water Interactions and Their Effects Upon Water Quality (106) Jan 76 Excludes salt water studies  
NTIS/PS-76/0021/6GSB
- The Chemistry and Physics of Ozone in the Stratosphere (142) Jan 76  
NTIS/PS-76/0029/9GSB
- Biodeterioration of Oil Spills (99) Jan 76  
NTIS/PS-76/0032/3GSB
- The Biological Effects of Oil Spills (142) Jan 76 Excludes biodeterioration  
NTIS/PS-76/0033/1GSB
- Ecology of Insecticide Water Pollution. Vol 1. 1964-1973 (206) Jan 76  
NTIS/PS-76/0035/6GSB
- Ecology of Insecticide Water Pollution. Vol 2. 1974-1975 (152) Jan 76  
NTIS/PS-76/0036/4GSB
- Water Pollution Analysis and Detection. Vol 1. 1970-June 1974 (145) Jan 76 Excludes oil spill detection and analysis  
NTIS/PS-76/0037/2GSB
- Water Pollution Analysis and Detection. Vol 2. July 1974-January 1976 (101) Jan 76 Excludes oil spill detection and analysis  
NTIS/PS-76/0038/0GSB
- Gas Scrubbers Used in Pollution Control (216) Jan 76  
NTIS/PS-76/0050/5GSB
- Gas Scrubbers Used in Pollution Control. Vol 1. 1970-1973 (164) Jan 76 (E)  
NTIS/PS-76/0051/3GSB
- Gas Scrubbers Used in Pollution Control. Vol 2. 1974-1975 (136) Jan 76 (E)  
NTIS/PS-76/0052/1GSB
- Coal Mine Waste (78) Feb 76  
NTIS/PS-76/0053/9GSB
- Biological Productivity in Fresh Water Environments (140) Jan 76  
NTIS/PS-76/0056/2GSB
- Lead Pollution (247) Feb 75  
NTIS/PS-76/0073/7GSB
- Biological Effects of Lead Pollution (117) Feb 76  
NTIS/PS-76/0097/6GSB
- Bacterial Pollution of Water (206) Feb 76  
NTIS/PS-76/0120/6GSB
- Thermal Pollution. Part 1. Control Techniques and General Studies (116) Mar 76 Excludes waste heat utilization studies  
NTIS/PS-76/0127/1GSB
- Thermal Pollution. Part 2. Biological Effects. Vol 1. 1964-1973 (132) Mar 76  
NTIS/PS-76/0128/9GSB
- Thermal Pollution. Part 2. Biological Effects. Vol 2. 1974-March 1976 (132) Mar 76  
NTIS/PS-76/0129/7GSB
- Thermal Pollution. Part 3. Hydrology and Hydrodynamics (177) Mar 76  
NTIS/PS-76/0130/5GSB
- Air Pollution Tracer Studies in the Lower Atmosphere (55) Mar 76  
NTIS/PS-76/0144/6GSB
- Fluidized Bed Combustion (138) Mar 76  
NTIS/PS-76/0161/0GSB
- Fluidized Bed Combustion (136) Mar 76 (E)  
NTIS/PS-76/0162/8GSB

- Aircraft Sonic Boom. Part 1. Aircraft Flight, Aircraft Design, and Measurement (119) Mar 76  
NTIS/PS-76/0175/0GSB
- Aircraft Sonic Boom. Part 2. Effects on Buildings (64) Mar 76  
NTIS/PS-76/0176/8GSB
- Aircraft Sonic Boom. Part 3. Biological Effects (66) Mar 76  
NTIS/PS-76/0177/6GSB
- Automobile Air Pollution. Part 1. Abatement Through Management and Planning (118) 1970-Feb 76  
NTIS/PS-76/0183/4GSB
- Automobile Air Pollution. Part 2. Exhaust Analysis (52) 1970-Feb 76  
NTIS/PS-76/0184/2GSB
- Automobile Air Pollution. Part 3. Control Equipment (125) 1970-Feb 76 Includes retrofit techniques, catalytic converters, and thermal reactors  
NTIS/PS-76/0185/9GSB
- Automobile Air Pollution. Part 3. Control Equipment--Catalytic Converters (145) Mar 76 Includes only catalytic converter studies (Ei)  
NTIS/PS-76/0186/7GSB
- Automobile Air Pollution. Part 4. New Automotive Engines and Engine Improvements (111) 1970-Feb 1976  
NTIS/PS-76/0187/5GSB
- Automobile Air Pollution. Part 5. Automotive Fuels (69) 1970-Feb 76  
NTIS/PS-76/0188/3GSB
- Automobile Air Pollution. Part 6. Atmospheric Motion (54) 1970-Feb 76  
NTIS/PS-76/0189/1GSB
- Automobile Air Pollution. Part 7. Public Health (26) Mar 76  
NTIS/PS-76/0190/9GSB
- Toxicity of Vinyl Chloride (36) Mar 76  
NTIS/PS-76/0197/4GSB
- Atmospheric Particle Detectors (120) Mar 76 Excludes studies on the chemical analysis of particles  
NTIS/PS-76/0219/6GSB
- Pollution and Environmental Aspects of Fuel Conversion (87) Mar 76  
NTIS/PS-76/0222/0GSB
- Incineration Studies. Vol 1. 1964-1974 (194) Mar 76  
NTIS/PS-76/0223/8GSB
- Incineration Studies. Vol 2. 1975-Mar. 1976 (88) Mar 76  
NTIS/PS-76/0224/6GSB
- Incineration Studies. Vol 1. 1973-1974 (181) Mar 76 (Ei)  
NTIS/PS-76/0225/3GSB
- Incineration Studies. Vol 2. 1975-Feb 1976 (68) Mar 76 (Ei)  
NTIS/PS-76/0226/1GSB
- Financing and Taxation For Urban Control of Pollution (134) Mar 76  
NTIS/PS-76/0228/7GSB
- Sewage Sludge Disposal (197) Mar 76  
NTIS/PS-76/0236/0GSB
- Sewage Sludge Disposal (165) Mar 76 (Ei)  
NTIS/PS-76/0237/8GSB
- Waste Heat Utilization (165) Apr 76 Excludes total energy systems  
NTIS/PS-76/0276/6GSB
- Waste Heat Utilization. Vol 1. 1970-1974 (179) Apr 76 Excludes total energy systems (Ei)  
NTIS/PS-76/0277/4GSB
- Waste Heat Utilization. Vol 2. 1975-March (71) Apr 76 Excludes total energy systems (Ei)  
NTIS/PS-76/0278/2GSB
- Aeration of Sewage Lagoons, Reservoirs, and Streams (177) Mar 76  
NTIS/PS-76/0279/0GSB
- Aeration of Sewage Lagoons, Reservoirs, and Streams (103) Mar 76 (Ei)  
NTIS/PS-76/0280/8GSB
- Regional and Urban Solid Waste Disposal. Part 1. Management Planning (132) Apr 76  
NTIS/PS-76/0301/2GSB
- Regional and Urban Solid Waste Disposal. Part 2. Local Case Studies (128) Apr 76  
NTIS/PS-76/0302/0GSB
- Regional and Urban Solid Waste Disposal. Part 3. Handling and Disposal Technology (147) Apr 76  
NTIS/PS-76/0303/8GSB
- ### Health Planning
- Health Care Costs (110) Jan 76  
NTIS/PS-76/0018/2GSB
- Emergency Medical Services (160) Feb 76  
NTIS/PS-76/0080/2GSB
- Oral Diseases and Preventive Dentistry (182) Mar 76  
NTIS/PS-76/0282/4GSB
- ### Industrial and Mechanical Engineering
- Metal Drawing (43) Jan 75  
NTIS/PS-75/162/8GSB
- Use of Ultrasonics in Manufacturing Procedures (89) Dec 74  
NTIS/PS-75/244/4GSB
- Nondestructive Ultrasonic Testing and Inspection. Vol. 1. 1964-1971 (188) Jan 75  
NTIS/PS-75/270/9GSB
- Nondestructive Ultrasonic Testing and Inspection. Vol. 2. 1972-1974 (165) Jan 75  
NTIS/PS-75/271/7GSB
- Shipborne Containers and Containerization (100) Jan 75  
NTIS/PS-75/284/0GSB
- Fuel Consumption. Part 1. Industrial, Residential, and General Studies (75) Feb 75  
NTIS/PS-75/343/4GSB
- Machine Automation and Numerical Control. Vol 1. 1964-1970 (226) Jun 75  
NTIS/PS-75/480/4GSB
- Machine Automation and Numerical Control. Vol 2. 1971-1973 (166) Jun 75  
NTIS/PS-75/481/2GSB
- Machine Automation and Numerical Control. Vol 3. 1974-Jun 75 (68) Jun 75  
NTIS/PS-75/482/0GSB
- Cooling Towers (123) Jun 75  
NTIS/PS-75/549/6GSB
- Corrosion in Boilers (77) Jul 75  
NTIS/PS-75/555/3GSB
- Mine Safety. Part 2. Communication and Position Finding Systems (53) June 1975  
NTIS/PS-75/563/7GSB
- Standard Reference Materials (141) Aug 75  
NTIS/PS-75/667/6GSB
- Lubricating Oil Analysis for Wear Monitoring (53) Sep 75  
NTIS/PS-75/688/2GSB
- High Temperature Bearings (102) Sep 75  
NTIS/PS-75/716/1GSB
- Design and Applications of Flywheels (69) Sep 75  
NTIS/PS-75/743/5GSB
- Inert Gas Welding (113) Oct 75  
NTIS/PS-75/764/1GSB
- Powder Metallurgy of Titanium and Titanium Alloys (73) Oct 75  
NTIS/PS-75/766/6GSB
- Diffusion Bonding (142) Oct 75  
NTIS/PS-75/771/6GSB
- Fire Alarms and Fire Detectors (120) Oct 75  
NTIS/PS-75/793/0GSB
- Expansion Joints (65) Oct 75 Primarily covers highway and bridge expansion joints  
NTIS/PS-75/795/5GSB
- Industrial Health Hazards Due to Atmospheric Factors (202) 1970-Aug 75  
NTIS/PS-75/800/3GSB
- Journal Bearings (120) Oct 75  
NTIS/PS-75/801/1GSB
- Thrust, Sleeve, and Jewel Bearings (65) Oct 75  
NTIS/PS-75/802/9GSB
- Roller Bearings (104) Oct 75  
NTIS/PS-75/803/7GSB
- Liquid Bearings (62) Oct 75  
NTIS/PS-75/804/5GSB
- Ball Bearings. Vol 1. 1964-1971 (120) Oct 75  
NTIS/PS-75/805/2GSB
- Ball Bearings. Vol 2. 1972- September 1975 (100) Oct 75  
NTIS/PS-75/806/0GSB
- Gas Bearings. Vol 1. 1964-1970 (152) Oct 75  
NTIS/PS-75/807/8GSB
- Gas Bearings. Vol 2. 1971-August 1975 (138) Oct 75  
NTIS/PS-75/808/6GSB
- Cryogenic Refrigeration. Vol 1. 1964-1972 (135) Nov 75  
NTIS/PS-75/825/0GSB
- Cryogenic Refrigeration. Vol 2. 1973-1975 (94) Nov 75  
NTIS/PS-75/826/8GSB

Industrial Psychology (177) Nov 75  
NTIS/PS-75/839/1GSB

Production Planning and Scheduling (193) Dec 75  
NTIS/PS-75/863/1GSB

High Energy Rate Forming. Part 1. (70) Jan 76 Excludes explosive forming  
NTIS/PS-76/0019/0GSB

High Energy Forming. Part 2. Explosive Forming (110) January 76  
NTIS/PS-76/0020/8GSB

Plasma and Flame Sprayed Coatings (146) Jan 76  
NTIS/PS-76/0047/1GSB

Plasma and Flame Sprayed Coatings. Vol 1. 1970-1973 (131) Jan 76  
NTIS/PS-76/0048/9GSB

Plasma and Flame Sprayed Coatings. Vol 2. 1974-1975 (105) Jan 76 (Ei)  
NTIS/PS-76/0049/7GSB

Superalloys. Vol 1. 1970-1973 (246) Feb 76 (Ei)  
NTIS/PS-76/0107/3GSB

Superalloys. Vol 2. 1974-1975 (179) Feb 76 (Ei)  
NTIS/PS-76/0108/1GSB

Superalloys Feb 76  
NTIS/PS-76/0109/9GSB

Electron Beam Welding (165) Mar 76  
NTIS/PS-76/0136/2GSB

Electron Beam Welding (165) 1975 (Ei)  
NTIS/PS-76/0137/0GSB

Fluid Control Devices. Vol 1. 1964-December 1971 (188) Mar 76  
NTIS/PS-76/0139/6GSB

Fluid Control Devices. Vol 2. 1972-February 1976 (156) Mar 76  
NTIS/PS-76/0140/4GSB

Fluid Control Devices (161) 1974-Feb 76 (Ei)  
NTIS/PS-76/0141/2GSB

Ferrous Metal Casting (193) Mar 76  
NTIS/PS-76/0142/0GSB

Reliability--Mathematical Techniques (228) Mar 76 Restricted to mathematical studies  
NTIS/PS-76/0221/2GSB

Heat Pipes. Vol. 1. 1964-1972 (175) Mar 76  
NTIS/PS-76/0248/5GSB

Heat Pipes. Vol. 2. 1973-February 1976 (191) Mar 76  
NTIS/PS-76/0249/3GSB

Heat Pipes. Vol. 1. 1970-1973 (125) Mar 76 (Ei)  
NTIS/PS-76/0250/1GSB

Heat Pipes. Vol. 2. 1974 Feb 76 (137) Mar 76 (Ei)  
NTIS/PS-76/0251/9GSB

Metrication in the United States (106) Apr 76  
NTIS/PS-76/0305/3GSB

Electrodeposition. Vol 1. 1964-1971 (97) Jan 75  
NTIS/PS-75/330/1GSB

Electrodeposition. Vol. 2. 1972-February 1976 (220) Apr 76 Includes electroforming  
NTIS/PS-76/0307/9GSB

## Library and Information Sciences

User Needs in Documentation and Information (60) Jan 75  
NTIS/PS-75/189/1GSB

Machine Translation (127) May 75 Covers several foreign languages  
NTIS/PS-75/411/9GSB

Microforms. Vol 1. 1964-1973 (187) Jun 75  
NTIS/PS-75/434/1GSB

Microforms. Vol 2. 1973-Apr 75 (74) Jun 75  
NTIS/PS-75/435/8GSB

On-line Retrieval Systems (146) Jul 75  
NTIS/PS-75/513/2GSB

Management Information Systems (164) Jul 75 Excludes urban information systems  
NTIS/PS-75/601/5GSB

Urban Information Systems. Part 1. General (69) Jul 75  
NTIS/PS-75/623/9GSB

Urban Information Systems. Part 2. USAC Reports (210) Jul 75  
NTIS/PS-75/624/7GSB

Interlibrary Loans (62) Nov 75  
NTIS/PS-75/813/6GSB

Natural Language Processing (199) Dec 75  
NTIS/PS-75/864/9GSB

Printers (105) Dec 75 Includes computer printers, contact printers, projection printers, and printer readers  
NTIS/PS-75/865/6GSB

Library Management (137) Dec 75  
NTIS/PS-75/873/0GSB

Biomedical Information Systems (178) Dec 75 Bibliographic and data information systems are included  
NTIS/PS-75/891/2GSB

Publishing: Methods, Analyses, and Surveys (86) Jan 76  
NTIS/PS-76/0005/9GSB

Records Management (235) Feb 76  
NTIS/PS-76/0075/2GSB

Automated Text Editing (108) Mar 76 Covers techniques to compose or format printed or displayed text  
NTIS/PS-76/0181/8GSB

Data Base Management (86) Mar 76  
NTIS/PS-76/0265/9GSB

Data Base Management (58) Mar 76 (Ei)  
NTIS/PS-76/0266/7GSB

Copyrights (67) Apr 76  
NTIS/PS-76/0304/6GSB

## Materials Sciences

Carbon and Graphite Materials. Part 4. Carbon Research (67) Jan 75  
NTIS/PS-75/182/6GSB

Cryogenic Properties of Aluminum and Aluminum Alloys (70) Jan 75  
NTIS/PS-75/192/5GSB

Cathodic Protection (135) Dec 74  
NTIS/PS-75/241/0GSB

Chemical Analysis of Steels (110) Feb 75  
NTIS/PS-75/289/9GSB

Boron Reinforced Composites (199) 1972-May 75  
NTIS/PS-75/414/3GSB

Metal Matrix Composites (180) 1971-May 75  
NTIS/PS-75/422/6GSB

Cyanoacrylate Tissue Adhesives (48) 1964-May 75  
NTIS/PS-75/440/8GSB

Marine Fouling (140) 1969-Jun 75  
NTIS/PS-75/442/4GSB

Solid Waste Reclamation and Recycling. Part 1. Packaging and Containers (44) May 75 Excludes studies only dealing with specific materials  
NTIS/PS-75/450/7GSB

Solid Waste Reclamation and Recycling. Part 2. Plastics. (60) May 75  
NTIS/PS-75/451/5GSB

Solid Waste Reclamation and Recycling. Part 3. Metals (136) May 75 Includes metal recovery from aqueous industrial waste streams  
NTIS/PS-75/452/3GSB

Solid Waste Reclamation and Recycling. Part 4. Glass (39) May 75  
NTIS/PS-75/453/1GSB

Stress Crack Phenomena (186) Jun 75 Excludes rock mechanics and mathematical analysis  
NTIS/PS-75/465/5GSB

Mathematical Analysis of Stress Cracks. Vol 1. 1964-1973 (207) June 75  
NTIS/PS-75/466/3GSB

Mathematical Analysis of Stress Cracks. Vol 2. 1974-May 75 (109) June 75  
NTIS/PS-75/467/1GSB

Concrete Polymer Composites (90) Jun 75  
NTIS/PS-75/475/4GSB

Chemical Vapor Deposition (211) May 75  
NTIS/PS-75/477/0GSB

Biocompatible Materials. Vol. 1. 1964-1973 (147) 1964-1973  
NTIS/PS-75/487/9GSB

Biocompatible Materials. Vol. 2. 1974-June 1975 (96) 1974-Jun 75  
NTIS/PS-75/488/7GSB

Drag Reducing Fluids (158) 1969-Jun 75  
NTIS/PS-75/497/8GSB

Titanium and Titanium Alloy Creep (109) Jul 75  
NTIS/PS-75/538/9GSB

Polycarbonates (72) Jun 75  
NTIS/PS-75/554/6GSB

Corrosion in Boilers (77) Jul 75  
NTIS/PS-75/555/3GSB

Heat Resistant Plastics. Part 1. Nitrogen Containing Polymers (157) Jul 75  
NTIS/PS-75/560/3GSB

Heat Resistant Plastics. Part 2. Silicone, Borane, Halocarbon, and Other Polymers (170) Jul 75  
NTIS/PS-75/561/1GSB

Polycarbonates (100) Jul 75  
NTIS/PS-75/569/4GSB

- High Temperature Lubricants and Oils (109) Jul 75  
NTIS/PS-75/600/7GSB
- Carbon and Graphite. Part 1. Carbon and Graphite Fibers and Fiber Composites Vol 1 (220) 1964-1973  
NTIS/PS-75/612/2GSB
- Carbon and Graphite. Part 1. Carbon and Graphite Fibers and Fiber Composites Vol 2 (142) 1974-Jun 75  
NTIS/PS-75/613/0GSB
- Carbon and Graphite. Part 2. Carbon and Graphite Composites (174) Jul 75 Excludes fiber composites  
NTIS/PS-75/614/8GSB
- Carbon and Graphite. Part 3. Graphite--Physical, Mechanical, and Structural Studies (141) Jul 75  
NTIS/PS-75/615/5GSB
- Carbon and Graphite. Part 4. Graphite--Chemical Studies (124) Jul 75  
NTIS/PS-75/616/3GSB
- Carbon and Graphite. Part 5. Carbon Research (83) Jul 75 Includes studies on carbon black, chars, coke, and carbon foams  
NTIS/PS-75/617/1GSB
- Carbon and Graphite. Part 6. Glassy Carbon (43) Jul 75  
NTIS/PS-75/618/9GSB
- Foamed Plastics. Part 1. Polyurethane Foams (161) Jul 75  
NTIS/PS-75/634/6GSB
- Foamed Plastics. Part 2. Styrene, Silicone, Epoxy, and Other Polymeric Foams (132) Jul 75  
NTIS/PS-75/635/3GSB
- Fly Ash (171) Aug 75  
NTIS/PS-75/646/0GSB
- Standard Reference Materials (141) Aug 75  
NTIS/PS-75/667/6GSB
- Lubricating Oil Analysis for Wear Monitoring (53) Sep 75  
NTIS/PS-75/688/2GSB
- Optical Coatings for Solar Cells and Solar Collectors (89) Aug 75  
NTIS/PS-75/692/4GSB
- Powder Metallurgy of Aluminum (124) Sep 75  
NTIS/PS-75/697/3GSB
- Adhesives (154) Sep 75  
NTIS/PS-75/704/7GSB
- Powder Metallurgy of Iron and Steel (141) Sep 75  
NTIS/PS-75/709/6GSB
- Solid Lubricants (128) Sep 75  
NTIS/PS-75/715/3GSB
- Combustion of Plastics and Elastomers (80) Sep 75  
NTIS/PS-75/728/6GSB
- The Synthesis and Properties of Polyurethane Resins. Vol 2. 1964-1972 (143) Oct 75 Excludes polyurethane foams  
NTIS/PS-75/744/3GSB
- The Synthesis and Properties of Polyurethane Resins. Vol 1. 1973-Sep 1975 (81) Oct 75 Excludes polyurethane foams  
NTIS/PS-75/745/0GSB
- Hydrogen Embrittlement of Metals (230) Sep 75  
NTIS/PS-75/749/2GSB
- Fire Resistance of Fibers and Textiles (170) Oct 75 Includes fiber preparation and additives, standards, textile burning studies, and consumer aspects  
NTIS/PS-75/757/5GSB
- Air Pollution Effects on Materials (82) Oct 75  
NTIS/PS-75/760/9GSB
- Powder Metallurgy of Titanium and Titanium Alloys (73) Oct 75  
NTIS/PS-75/766/6GSB
- Diffusion Bonding (142) Oct 75  
NTIS/PS-75/771/6GSB
- Stress Corrosion of Steel (200) Oct 75 Excludes stainless steel  
NTIS/PS-75/795/6GSB
- Stress Corrosion of Stainless Steel (125) Oct 75  
NTIS/PS-75/786/4GSB
- Pine Wood (65) Oct 75 Covers pine wood products, uses, and properties  
NTIS/PS-75/798/9GSB
- Seals and Gaskets (224) 1970-Sep 75  
NTIS/PS-75/838/3GSB
- Wood Bonding (99) Dec 75  
NTIS/PS-75/861/5GSB
- Material Shortages (136) Jan 76 Includes agricultural products, metals, minerals, and other materials except fuels  
NTIS/PS-76/0006/7GSB
- Plasma and Flame Sprayed Coatings (146) Jan 76  
NTIS/PS-76/0047/1GSB
- Plasma and Flame Sprayed Coatings. Vol 1. 1970-1973 (131) Jan 76  
NTIS/PS-76/0048/9GSB
- Plasma and Flame Sprayed Coatings. Vol 2. 1974-1975 (105) Jan 76 (Ei)  
NTIS/PS-76/0049/7GSB
- The Chemistry of Silicone Resins (152) Jan 76  
NTIS/PS-76/0057/0GSB
- Sea Water Corrosion (208) Feb 76  
NTIS/PS-76/0058/8GSB
- Reinforced Plastics. Part 1. Fiberglass Reinforcement (180) Jan 76  
NTIS/PS-76/0063/8GSB
- Reinforced Plastics. Part 2. Boron, Carbon, and Other Reinforcing Materials (218) Feb 76  
NTIS/PS-76/0064/6GSB
- Turbine Blades: Erosion and Corrosion (80) Feb 76 Excludes cavitation  
NTIS/PS-76/0081/0GSB
- Turbine Blades: Erosion and Corrosion (108) Feb 76 Excludes cavitation (Ei)  
NTIS/PS-76/0082/8GSB
- Gas and Steam Turbines, General: Corrosion and Erosion (166) Feb 73 Excludes turbine blades cavitation  
NTIS/PS-76/0087/7GSB
- Gas and Steam Turbines, General: Corrosion and Erosion (139) Feb 76 Excludes turbine blades cavitation (Ei)  
NTIS/PS-76/0088/5GSB
- Lightweight Armor (123) Feb 76  
NTIS/PS-76/0106/5GSB
- Superalloys. Vol 1. 1970-1973 (246) Feb 76 (Ei)  
NTIS/PS-76/0107/3GSB
- Superalloys. Vol 2. 1974-1975 (179) Feb 76 (Ei)  
NTIS/PS-76/0108/1GSB
- Superalloys Feb 76  
NTIS/PS-76/0109/9GSB
- Detergents, Soaps, and Surface Active Cleaners (124) Feb 76 Excludes oil spill treatment chemicals and fuel additives  
NTIS/PS-76/0110/7GSB
- Corrosion of Stainless Steel (225) Oct 75 Excludes stress corrosion  
NTIS/PS-76/0114/9GSB
- Electron Beam Welding (165) Mar 76  
NTIS/PS-76/0136/2GSB
- Electron Beam Welding (165) 1975 (Ei)  
NTIS/PS-76/0137/0GSB
- Ferrous Metal Casting (193) Mar 76  
NTIS/PS-76/0142/0GSB
- Acrylic Resins. Part 1. Acrylonitrile Polymers (86) Mar 76 Covers fabrication, polymerization, and properties  
NTIS/PS-76/0147/9GSB
- Acrylic Resins. Part 1. Acrylonitrile Polymers--1975 (115) Mar 76 (Ei)  
NTIS/PS-76/0148/7GSB
- Acrylic Resins. Part 2. Methacrylate Polymers Mar 76 Covers fabrication, polymerization, and properties  
NTIS/PS-76/0149/5GSB
- Acrylic Resins. Part 2. Methacrylate Polymers--1975 (177) Mar 76 (Ei)  
NTIS/PS-76/0150/3GSB
- Acrylic Resins. Part 3. Acrylates, Acrylamides, and General Studies (138) Mar 76 Covers fabrication, polymerization, and properties  
NTIS/PS-76/0151/1GSB
- Acrylic Resins. Part 3. Acrylates, Acrylamides, and General Studies (153) Mar 76 (Ei)  
NTIS/PS-76/0152/9GSB
- Particle Boards and Fiberboards: Fabrication, Use, and Properties (115) Feb 76  
NTIS/PS-76/0157/8GSB
- Particle Boards: Fabrication, Use, and Properties. (154) Mar 76 (Ei)  
NTIS/PS-76/0158/6GSB
- Fiberboards: Fabrication, Use, and Properties. Vol. 1. 1970-1974 (223) Mar 76 (Ei)  
NTIS/PS-76/0159/4GSB
- Fiberboards: Fabrication, Use, and Properties. Vol. 2. 1975-Jan 1976 (121) Mar 76 (Ei)  
NTIS/PS-76/0160/2GSB
- Cavitation. Part 3. Corrosion and Erosion (104) Mar 76 Excludes turbine cavitation  
NTIS/PS-76/0166/9GSB



Cavitation. Part 4. Cavitation Flow and Erosion in Turbines (70) Mar 76  
NTIS/PS-76/0167/7GSB

Corrosion in Desalination Plants (158) Mar 76  
NTIS/PS-76/0173/5GSB

Corrosion in Desalination Plants (117) Mar 76 (E1)  
NTIS/PS-76/0174/3GSB

Laminates. Part 1. Laminated Plastics. Vol 1. 1964-1971 (150) Mar 76 Excludes plastics laminated to other materials  
NTIS/PS-76/0191/7GSB

Laminates. Part 1. Laminated Plastics. Vol 2. 1972-Feb 1976 (157) Mar 76 Excludes plastics laminated to other materials  
NTIS/PS-76/0192/5GSB

Laminates. Part 2. Other Materials (62) Mar 76 Excludes laminated plastics  
NTIS/PS-76/0193/3GSB

Fracture of Ceramics (210) Mar 76  
NTIS/PS-76/0198/2GSB

Magnesium Oxide Ceramics and Refractories (154) Mar 76  
NTIS/PS-76/0213/9GSB

Magnesium Oxide Ceramics and Refractories. Vol. 1. 1971-1973 (162) Mar 76 (E1)  
NTIS/PS-76/0214/7GSB

Magnesium Oxide Ceramics and Refractories. Vol. 2. 1974-1976 (101) Mar 76 (E1)  
NTIS/PS-76/0215/4GSB

Ablation and Ablative Materials (173) Mar 76  
NTIS/PS-76/0216/2GSB

Polytetrafluoroethylene (Teflon) (165) Mar 76  
NTIS/PS-76/0217/0GSB

Plywood Research and Applications (121) Mar 76  
NTIS/PS-76/0227/9GSB

Highway Markings (92) Apr 76  
NTIS/PS-76/0294/9GSB

Electrodeposition. Vol 1. 1964-1971 (97) Jan 75  
NTIS/PS-75/330/1GSB

Electrodeposition. Vol. 2. 1972-February 1976 (220) Apr 76 Includes electroforming  
NTIS/PS-76/0307/9GSB

## Mathematical Sciences

Linear Programming in Management (36) May 75  
NTIS/PS-75/406/9GSB

The Use of Computers in Solving Mathematical Problems (228) Jun 75  
NTIS/PS-75/485/3GSB

Network Flows (138) Sep 75 Includes Applied Studies  
NTIS/PS-75/694/0GSB

Integration of Partial Differential Equations (138) Sep 75  
NTIS/PS-75/702/1GSB

Experimental Design (112) Oct 75  
NTIS/PS-75/776/5GSB

Integration of Nonlinear Differential Equations (81) Nov 75  
NTIS/PS-75/794/8GSB

Time Series Forecasting and Prediction (117) Jan 76 Includes studies on hydrology, meteorology, management, and energy among others  
NTIS/PS-76/0031/5GSB

Reliability--Mathematical Techniques (228) Mar 76 Restricted to mathematical studies  
NTIS/PS-76/0221/2GSB

## Medicine and Biology

Ecosystem Models (144) Jan 74  
NTIS/PS-75/088/5GSB

Interferon (157) Jan 75  
NTIS/PS-75/100/8GSB

Ecology of Insecticide Water Pollution. Vol 2. 1964-1973 (203) Jan 75  
NTIS/PS-75/108/1GSB

Drug Abuse (113) Jan 75  
NTIS/PS-75/147/9GSB

Cold Weather Stress on Humans (72) Jan 75  
NTIS/PS-75/170/1GSB

Ultrasonics in Medicine (39) Jan 75  
NTIS/PS-75/175/0GSB

Prostaglandins (37) 1967-Jan 75  
NTIS/PS-75/176/8GSB

Biological Effects of Mercury Pollution (112) Dec 74  
NTIS/PS-75/210/5GSB

Psychoses (85) Jan 75  
NTIS/PS-75/235/2GSB

Hyperbaric Oxygenation (125) Jan 75  
NTIS/PS-75/236/0GSB

Altitude Hypoxia (166) Jan 75  
NTIS/PS-75/237/8GSB

Malaria. Vol 1. 1964-1970 (174) Feb 75  
NTIS/PS-75/307/9GSB

Dental Materials and Equipment (143) Feb 75  
NTIS/PS-75/340/0GSB

Schistosoma and Schistosomiasis (130) Feb 75  
NTIS/PS-75/344/2GSB

GRAS (Generally Recognized as Safe) Food Ingredients (253) April 75  
NTIS/PS-75/356/6GSB

Medical Entomology. Vol.1.1964-1969 (157) 1964-1969  
NTIS/PS-75/361/6GSB

Hemorrhagic Shock (70) 1964 - Apr 75  
NTIS/PS-75/369/9GSB

Biological Effects of Microwaves (112) Mar 75  
NTIS/PS-75/384/8GSB

Toxicity of Gaseous Halocarbons (70) May 1975  
NTIS/PS-75/387/1GSB

Artificial Kidneys (182) 1968-Apr 75  
NTIS/PS-75/418/4GSB

Blindness (113) May 75  
NTIS/PS-75/427/5GSB

Radioactivity from Nuclear Power Plants (227) May 75  
NTIS/PS-75/429/1GSB

Sewage Effects in Marine and Estuarine Environments (136) May 75  
NTIS/PS-75/430/9GSB

Cyanoacrylate Tissue Adhesives (48) 1964-May 75  
NTIS/PS-75/440/8GSB

Psychotropic Drug Research (114) 1964-May 1975  
NTIS/PS-75/469/5GSB

Preventive Medicine (107) Jun 75  
NTIS/PS-75/502/5GSB

Computer Technology in Medicine (192) 1972-Jun 7  
NTIS/PS-75/507/4GSB

Cryobiology (106) Jun-75  
NTIS/PS-75/508/2GSB

Antineoplastic agents (195) 1970-Jun 75  
NTIS/PS-75/509/0GSB

Sickle Cell Anemia (38) Jun 75  
NTIS/PS-75/515/7GSB

Eutrophication. Vol 1. 1964-1973 (194) Jun 75  
NTIS/PS-75/522/3GSB

Eutrophication. Vol 2. 1974-June 1975 (86) Jun 75  
NTIS/PS-75/523/1GSB

Electroretinography (87) Jun 75  
NTIS/PS-75/526/4GSB

Health Services in Rural Areas (87) Jun 75  
NTIS/PS-75/532/2GSB

Hepatitis and Blood Transfusions (58) Jul 75  
NTIS/PS-75/543/9GSB

Radiation Effects on Cells and Chromosomes (109) Jun 75  
NTIS/PS-75/551/2GSB

Mine Safety. Part 3. Occupational Health--General Studies (110) Jun 75  
NTIS/PS-75/564/5GSB

Mine Safety. Part 4. Occupational Health--Radioactivity (49) Jun 75  
NTIS/PS-75/565/2GSB

Immunologic Diseases. Vol 2. 1975 (62) Jul 75  
NTIS/PS-75/578/5GSB

Immunologic Diseases. Vol 1. 1964-1974 (237) Jul 75  
NTIS/PS-75/579/3GSB

Aquatic Weed Control (93) Jul 75  
NTIS/PS-75/581/9GSB

Nerve Regeneration (35) Jul 75  
NTIS/PS-75/592/6GSB

Nitrogen Oxide Air Pollution. Part 4. Biological Effects (49) Jul 75  
NTIS/PS-75/610/6GSB

Motor Vehicle Operator Behavior (119) Aug 75 Excludes studies on the effects of stress, alcohol, and vision characteristics  
NTIS/PS-75/619/7GSB

Driver Performance under Abnormal Conditions. Physical Impairment, Drugs, Gases (43) Aug 75 Excludes alcohol effects  
NTIS/PS-75/620/5GSB

Anthropometry (203) Aug 75  
NTIS/PS-75/629/6GSB



- DDT, DDD, and DDE Pesticides (150)  
Jul 75  
NTIS/PS-75/640/3GSB
- Explosives and Narcotics Detection  
Using Dogs (29) Sep 75  
NTIS/PS-75/648/6GSB
- Polychlorinated Biphenyls in the En-  
vironment (52) Sep 75  
NTIS/PS-75/713/8GSB
- Oyster Utilization, Biology, and Growth  
(205) Sep 75  
NTIS/PS-75/718/7GSB
- Asbestos and Silicate Pollution (111)  
Oct 75 Includes silicosis and  
asbestosis  
NTIS/PS-75/746/8GSB
- Toxicity of Pesticides (188) Oct 75  
NTIS/PS-75/756/7GSB
- Venereal Diseases (54) Aug 75  
NTIS/PS-75/777/3GSB
- Blood Preservation and Storage. Vol. 1.  
1964-1973 (169) Oct 75  
NTIS/PS-75/778/1GSB
- Blood Preservation and Storage. Vol. 2.  
1974-1975 (52) Oct 75  
NTIS/PS-75/779/9GSB
- Vaccines and Immunity (187) Oct 75  
NTIS/PS-75/781/5GSB
- Bioindicators of Pollution (167) Nov 75  
NTIS/PS-75/796/3GSB
- Transplantation Immunology (122) Oct  
75  
NTIS/PS-75/799/7GSB
- Industrial Health Hazards Due to At-  
mospheric Factors (202) 1970-Aug  
75  
NTIS/PS-75/800/3GSB
- Chemical and Biological Warfare. Part 3.  
Biology, Chemistry, Therapy, and  
Toxicology (115) Oct 75 Excludes  
the biochemistry and therapy of  
cholinesterase inhibitors  
NTIS/PS-75/834/2GSB
- Chemical and Biological Warfare. Part 4.  
Defoliants and Herbicides (126)  
Nov 75  
NTIS/PS-75/835/9GSB
- Biochemistry and Therapy of  
Cholinesterase Inhibitors (139) Nov  
75 Primarily covers or-  
ganophosphorus nerve agents  
NTIS/PS-75/837/5GSB
- Lung Cancer (81) Nov 74  
NTIS/PS-75/841/7GSB
- Environmental Carcinogens (158) Oct  
75  
NTIS/PS-75/844/1GSB
- Ecosystem Models (214) Nov 75  
NTIS/PS-75/846/6GSB
- Congenital Abnormalities (79) Nov 75  
NTIS/PS-75/849/0GSB
- Information Processing in Humans. Vol  
1. 1964-1973 (209) Dec 73  
NTIS/PS-75/857/3GSB
- Information Processing in Humans. Vol  
2. 1974-Nov 75 (89) Nov 75  
NTIS/PS-75/858/1GSB
- Fish Protein Concentrates (140) Dec 75  
NTIS/PS-75/862/3GSB
- Shark Behavior and Biology (68) Dec  
75  
NTIS/PS-75/869/8GSB
- Contraceptives and Birth Control (51)  
Dec 75  
NTIS/PS-75/880/5GSB
- Endangered Species (39) Dec 75  
NTIS/PS-75/881/3GSB
- Biofeedback (36) Dec 75  
NTIS/PS-75/885/4GSB
- Biological Pest Control (71) Dec 75  
NTIS/PS-75/887/0GSB
- Epilepsy (66) Dec 75  
NTIS/PS-75/889/6GSB
- Stress Factors on Pilot Performance  
(94) Dec 75  
NTIS/PS-75/890/4GSB
- Biomedical Information Systems (178)  
Dec 75 Bibliographic and data in-  
formation systems are included  
NTIS/PS-75/891/2GSB
- Biological Effects of Laser Radiation  
(188) Dec 75  
NTIS/PS-75/893/8GSB
- Molecular Biology (131) Dec 75  
NTIS/PS-76/0001/8GSB
- Impacts and Studies of the Extremely  
Low Frequency Communication  
System, Sanguine (106) Jan 76 In-  
cludes environmental and biological  
effects of this global communi-  
cations system  
NTIS/PS-76/0003/4GSB
- Auditory Perception in Cetacea (70) Jan  
76  
NTIS/PS-76/0008/3GSB
- Behavior and Physiological Effects of  
Noise. Vol 1. 1964-1972 (199) 1964-  
Oct 72  
NTIS/PS-76/0013/3GSB
- Behavior and Physiological Effects of  
Noise. Vol 2. 1972-1975 (119) 1972-  
Dec 75  
NTIS/PS-76/0014/1GSB
- Air Pollution Effects on Plants (173)  
Dec 75  
NTIS/PS-76/0015/8GSB
- Rehabilitation of the Physically Han-  
dicapped (179) Jan 76  
NTIS/PS-76/0028/1GSB
- Biodegradation of Oil Spills (99) Jan  
76  
NTIS/PS-76/0032/3GSB
- The Biological Effects of Oil Spills (142)  
Jan 76 Excludes biodegradation  
NTIS/PS-76/0033/1GSB
- Ecology of Insecticide Water Pollution.  
Vol 1. 1964-1973 (206) Jan 76  
NTIS/PS-76/0035/6GSB
- Ecology of Insecticide Water Pollution.  
Vol 2. 1974-1975 (152) Jan 76  
NTIS/PS-76/0036/4GSB
- Biological Productivity in Fresh Water  
Environments (140) Jan 76  
NTIS/PS-76/0056/2GSB
- Color Vision Jan 76  
NTIS/PS-76/0059/6GSB
- Rehabilitation of the Mentally Retarded  
(125) Feb 76  
NTIS/PS-76/0067/9GSB
- Cigarette Smoking (60) Feb 76  
NTIS/PS-76/0074/5GSB
- Emergency Medical Services (160) Feb  
76  
NTIS/PS-76/0080/2GSB
- Herpes Virus (115) Feb 76  
NTIS/PS-76/0093/5GSB
- Effects of Fatigue on Human Behavior  
and Performance (121) Jan 76  
NTIS/PS-76/0095/0GSB
- Biological Effects of Lead Pollution  
(117) Feb 76  
NTIS/PS-76/0097/8GSB
- Burn Therapy (157) Feb 76  
NTIS/PS-76/0104/0GSB
- Whales (115) Feb 76  
NTIS/PS-76/0111/5GSB
- Cardiovascular Diseases. Vol. 1. 1964-  
1972 (151) 1964-1972  
NTIS/PS-76/0117/2GSB
- Cardiovascular Diseases. Vol. 2. 1973-  
1975 (179) Mar 76  
NTIS/PS-76/0118/0GSB
- Bacterial Pollution of Water (206) Feb  
76  
NTIS/PS-76/0120/6GSB
- Radioimmunoassay Studies (79) Feb 76  
NTIS/PS-76/0125/5GSB
- Thermal Pollution. Part 2. Biological Ef-  
fects. Vol 1. 1964-1973 (132) Mar 76  
NTIS/PS-76/0128/9GSB
- Thermal Pollution. Part 2. Biological Ef-  
fects. Vol 2. 1974-March 1976 (132)  
Mar 76  
NTIS/PS-76/0129/7GSB
- Night Vision and Dark Adaptation (98)  
Feb 76  
NTIS/PS-76/0133/9GSB
- Nystagmus (209) Mar 76  
NTIS/PS-76/0143/8GSB
- Tumor Viruses (76) Feb 76  
NTIS/PS-76/0172/7GSB
- Aircraft Sonic Boom. Part 3. Biological  
Effects (66) Mar 76  
NTIS/PS-76/0177/6GSB
- Hypertension (97) Mar 76  
NTIS/PS-76/0179/2GSB
- Automobile Air Pollution. Part 7. Public  
Health (26) Mar 76  
NTIS/PS-76/0190/9GSB
- Hemophilia (22) Mar 76  
NTIS/PS-76/0195/8GSB
- Chronic Obstructive Lung Disease (29)  
Mar 76  
NTIS/PS-76/0196/6GSB
- Toxicity of Vinyl Chloride (36) Mar 76  
NTIS/PS-76/0197/4GSB
- Tumor Immunology (76) Mar 1976  
NTIS/PS-76/0218/8GSB
- Ecology of the Marine Environment. Vol  
1. 1964-November 1974 (205) Feb  
76 Excludes effects of pesticides  
and oil pollution  
NTIS/PS-76/0238/6GSB
- Ecology of the Marine Environment. Vol  
2. December 1974-March 1976 (146)  
March 76 Excludes effects of pesti-  
cides and oil pollution  
NTIS/PS-76/0239/4GSB

Malaria. Vol. 2. 1971-March 1976 (108) Mar 76  
**NTIS/PS-76/0262/6GSB**

Underwater Medicine and Physiology. Vol. 1. 1964-1974 (191) Mar 76  
**NTIS/PS-76/0263/4GSB**

Underwater Medicine and Physiology. Vol. 2 1975-March, 1976. (68) Mar 76  
**NTIS/PS-76/0264/2GSB**

Oral Diseases and Preventive Dentistry (182) Mar 76  
**NTIS/PS-76/0282/4GSB**

Leukemia (147) Apr 76  
**NTIS/PS-76/0288/1GSB**

Septicemia (176) Apr 76  
**NTIS/PS-76/0289/9GSB**

Radiotherapeutic Agents and Techniques (193) 1964-Mar 76  
**NTIS/PS-76/0290/7GSB**

Radiodiagnostic Agents and Techniques. Vol. 1. 1964-1973 (177) Mar 76  
**NTIS/PS-76/0291/5GSB**

Radiodiagnostic Agents and Techniques. Vol. 2. 1974-March 1976. (185) Mar 76  
**NTIS/PS-76/0292/3GSB**

Medical Entomology. Vol. 2. 1970-March 1976 (22) 1970-Mar 1976  
**NTIS/PS-76/0293/1GSB**

Forensic Science (115) Apr 76 Includes medical and chemical techniques  
**NTIS/PS-76/0300/4GSB**

## Military Sciences

Arms Control (234) Apr 75  
**NTIS/PS-75/393/9GSB**

Replacement Theory (85) Apr 75  
**NTIS/PS-75/405/1GSB**

All Volunteer Military Services (154) Aug 75  
**NTIS/PS-75/621/3GSB**

Anthropometry (203) Aug 75  
**NTIS/PS-75/629/6GSB**

Inventory Control (220) 1970-Aug 75  
**NTIS/PS-75/631/2GSB**

Night Vision Devices (124) Aug 75  
**NTIS/PS-75/647/8GSB**

Explosives and Narcotics Detection Using Dogs (29) Sep 75  
**NTIS/PS-75/648/6GSB**

Guerrilla Warfare (147) Sep 75  
**NTIS/PS-75/699/9GSB**

Civil Insurgency (97) Sep 75  
**NTIS/PS-75/700/5GSB**

Insurgency and Counterinsurgency in Military Affairs (142) Sep 75  
**NTIS/PS-75/701/3GSB**

Riots and Riot Control (127) Sep 75  
**NTIS/PS-75/730/2GSB**

Chemical and Biological Warfare. Part 1. Detection and Warning Systems (87) Nov 75  
**NTIS/PS-75/832/6GSB**

Chemical and Biological Warfare. Part 2. Protection, Decontamination, and Disposal (122) Nov 75  
**NTIS/PS-75/833/4GSB**

Chemical and Biological Warfare. Part 3. Biology, Chemistry, Therapy, and Toxicology (115) Oct 75 Excludes the biochemistry and therapy of cholinesterase inhibitors  
**NTIS/PS-75/834/2GSB**

Chemical and Biological Warfare. Part 4. Defoliants and Herbicides (126) Nov 75  
**NTIS/PS-75/835/9GSB**

Chemical and Biological Warfare. Part 5. General Studies (147) Nov 75 Covers warfare planning, civil defense, aerial dissemination, containers, and delivery systems  
**NTIS/PS-75/836/7GSB**

Biochemistry and Therapy of Cholinesterase Inhibitors (139) Nov 75 Primarily covers organophosphorus nerve agents  
**NTIS/PS-75/837/5GSB**

Camouflage (133) Feb 76  
**NTIS/PS-76/0079/4GSB**

Deterrence and Detente (107) Mar 76  
**NTIS/PS-76/0178/4GSB**

## Missile Technology

Inertial Navigation and Guidance (208) Apr 74  
**NTIS/PS-75/436/6GSB**

## Natural Resources and Earth Sciences

Remote Sensing for Natural Resource, Environmental, and Regional Planning (91) 1973-Jan 75  
**NTIS/PS-75/104/0GSB**

Coal Mine Waste (51) Dec 74  
**NTIS/PS-75/112/3GSB**

Oil Shale (137) Apr 75  
**NTIS/PS-75/362/4GSB**

Public Opinion and Sociology of Water Resource Development (82) 1970-Apr 75  
**NTIS/PS-75/373/1GSB**

Planning and Impact of Water Resource Programs (210) 1972-Apr 75  
**NTIS/PS-75/374/9GSB**

Biochemical Oxygen Demand (262) Mar 75  
**NTIS/PS-75/375/6GSB**

Geothermal Energy (148) Apr 75  
**NTIS/PS-75/377/2GSB**

Underwater Construction and Mining (127) May 75  
**NTIS/PS-75/392/1GSB**

Effects of Land Use and Urbanization on Water Resources (94) 1971-May 75  
**NTIS/PS-75/401/0GSB**

Salt Marshes (92) May 75  
**NTIS/PS-75/426/7GSB**

Water Quality Modeling--Hydrological and Limnological Systems (213) Jun 75  
**NTIS/PS-75/441/6GSB**

Sport Fishing (150) Jun 75  
**NTIS/PS-75/468/9GSB**

Forest Management (85) Jun 75  
**NTIS/PS-75/483/8GSB**

Eutrophication. Vol 1. 1964-1973 (194) Jun 75  
**NTIS/PS-75/522/3GSB**

Eutrophication. Vol 2. 1974-June 1975 (86) Jun 75  
**NTIS/PS-75/523/1GSB**

Offshore Drilling (116) Jun 75 Includes environmental impacts  
**NTIS/PS-75/540/5GSB**

Flood Control (258) 1972-Jun 75  
**NTIS/PS-75/552/0GSB**

Water Rights and Water Law. Vol 2. 1974-1975 (99) July 75  
**NTIS/PS-75/558/7GSB**

Water Rights and Water Law. Vol 1. 1964-1973 (122) July 75  
**NTIS/PS-75/559/5GSB**

Mine Safety. Part 1. Fires and Explosions (81) Jun 75  
**NTIS/PS-75/562/9GSB**

Mine Safety. Part 2. Communication and Position Finding Systems (53) June 1975  
**NTIS/PS-75/563/7GSB**

Mine Safety. Part 3. Occupational Health--General Studies (110) Jun 75  
**NTIS/PS-75/564/5GSB**

Mine Safety. Part 4. Occupational Health--Radioactivity (49) Jun 75  
**NTIS/PS-75/565/2GSB**

Mine Safety. Part 5. General Studies (121) Jun 75 Excludes fire safety, communication systems, and health studies  
**NTIS/PS-75/566/0GSB**

Coal Beneficiation (71) Jul 75  
**NTIS/PS-75/593/4GSB**

Urban Storm Sewers and Water Runoff. Vol 2. 1974-Jun 1975. (105) Jul 75  
**NTIS/PS-75/602/3GSB**

Urban Storm Sewers and Water Runoff. Vol 1. 1964-1973 (177) Jul 75  
**NTIS/PS-75/603/1GSB**

Automatic Acquisition of Water Quality Data (140) 1970-Jul 75  
**NTIS/PS-75/639/5GSB**

Agricultural Resources Surveys (81) Aug 75  
**NTIS/PS-75/668/4GSB**

Network Flows (138) Sep 75 Includes Applied Studies  
**NTIS/PS-75/694/0GSB**

Water Quality Management in Estuaries and Coastal Zones (214) Sep 75 Excludes specific biological and oceanographic studies  
**NTIS/PS-75/698/1GSB**

Acid Mine Drainage (150) Sep 75  
**NTIS/PS-75/714/6GSB**

Snow Studies (252) Sep 75  
**NTIS/PS-75/719/5GSB**

Weather Modification Effects and Management (117) Sep 75 Excludes theory and physics of cloud seeding and nucleation  
**NTIS/PS-75/722/9GSB**

Mohole Project. Part 1. Drilling Platform (153) Sep 75  
**NTIS/PS-75/724/5GSB**

- Mohole Project. Part 2. Drilling Section (269) Sep 75  
**NTIS/PS-75/725/2GSB**
- Mohole Project. Part 3. Positioning and Reentry Systems (86) Sep 75  
**NTIS/PS-75/726/0GSB**
- Mohole Project. Part 4. General Studies (132) Sep 75  
**NTIS/PS-75/727/0GSB**
- Water Resources in Arid and Semiarid Regions (68) Sep 75  
**NTIS/PS-75/737/7GSB**
- Ground Water Pollution. Part 1. General Studies (193) Sep 75 Excludes studies dealing with irrigation and fertilization  
**NTIS/PS-75/739/3GSB**
- Ground Water Pollution. Part 2. Pollution From Irrigation and Fertilization (178) Sep 75  
**NTIS/PS-75/740/1GSB**
- Ground Water Pollution. Part 3. Saline Ground Water (90) Sep 75  
**NTIS/PS-75/741/9GSB**
- Strip Mining (145) Oct 75  
**NTIS/PS-75/751/8GSB**
- Environmental and Ecological Effects of Dredging (136) Oct 75  
**NTIS/PS-75/755/9GSB**
- Seismology (180) 1974-Oct 75 Excludes underground explosion detection  
**NTIS/PS-75/769/0GSB**
- Range Finders (114) Nov 75  
**NTIS/PS-75/812/8GSB**
- Development of Forest Industries (109) Nov 75  
**NTIS/PS-75/827/6GSB**
- Magnetometers (162) Nov 75 Includes only equipment studies  
**NTIS/PS-75/830/0GSB**
- Sediment Transport in Rivers (85) Nov 75  
**NTIS/PS-75/848/2GSB**
- Paleoclimatology (66) Nov 75  
**NTIS/PS-75/851/6GSB**
- Paleomagnetism (97) Nov 75  
**NTIS/PS-75/852/4GSB**
- Forest Watersheds (91) Nov 75  
**NTIS/PS-75/856/5GSB**
- Reservoir and Lake Sedimentation (105) Dec 75  
**NTIS/PS-75/886/2GSB**
- Sediment-Water Interactions and Their Effects Upon Water Quality (106) Jan 76 Excludes salt water studies  
**NTIS/PS-76/0021/6GSB**
- Time Series Forecasting and Prediction (117) Jan 76 Includes studies on hydrology, meteorology, management, and energy among others  
**NTIS/PS-76/0031/5GSB**
- Coal Mine Waste (78) Feb 76  
**NTIS/PS-76/0053/9GSB**
- Instrumentation and Data Processing Used in the Earth Resources Technology Satellite (157) 1974-Jan 76  
**NTIS/PS-76/0055/4GSB**
- Biological Productivity in Fresh Water Environments (140) Jan 76  
**NTIS/PS-76/0056/2GSB**
- Permafrost. Part 1. General Studies (113) Feb 76  
**NTIS/PS-76/0069/5GSB**
- Permafrost. Part 2. Structural Engineering (188) Feb 76  
**NTIS/PS-76/0070/3GSB**
- Permafrost Engineering (171) Feb 76 (Ei)  
**NTIS/PS-76/0071/1GSB**
- Tectonics. Vol 1. 1973-1974 (170) Feb 76  
**NTIS/PS-76/0091/9GSB**
- Tectonics. Vol 2. 1975-January 1976 (86) Feb 76  
**NTIS/PS-76/0092/7GSB**
- Thermal Pollution. Part 3. Hydrology and Hydrodynamics (177) Mar 76  
**NTIS/PS-76/0130/5GSB**
- Mine Ventilation (97) Mar 76  
**NTIS/PS-76/0180/0GSB**
- Seismic Detection. Part 1. General Studies (155) Mar 76 Excludes detection of nuclear events  
**NTIS/PS-76/0206/3GSB**
- Petroleum Exploration, Production, and Recovery Methods (96) Mar 76 Excludes offshore drilling  
**NTIS/PS-76/0210/5GSB**
- Economic Factors in Regional Water Supply Management. Vol 1. 1964-1973 (199) Mar 76  
**NTIS/PS-76/0242/8GSB**
- Economic Factors in Regional Water Supply Management. Vol 2. 1974-Mar 76 (103) Mar 76  
**NTIS/PS-76/0243/6GSB**
- Aeration of Sewage Lagoons, Reservoirs, and Streams (177) Mar 76  
**NTIS/PS-76/0279/0GSB**
- Aeration of Sewage Lagoons, Reservoirs, and Streams (103) Mar 76 (Ei)  
**NTIS/PS-76/0280/8GSB**
- Navigation, Guidance and Control**
- Omega Navigation System (129) Jan 75  
**NTIS/PS-75/151/1GSB**
- Inertial Navigation and Guidance (208) Apr 74  
**NTIS/PS-75/436/6GSB**
- Air Traffic Control Simulation Models (185) Jun 75  
**NTIS/PS-75/521/5GSB**
- Aerospace Computer Systems. Part 1. Avionic Applications (158) Jan 76  
**NTIS/PS-76/0042/2GSB**
- Aerospace Computer Systems. Part 2. Spacecraft and Guided Missile Applications (154) Jan 76  
**NTIS/PS-76/0043/0GSB**
- Non-Destructive Testing**
- Holographic Flow Visualization (53) Jan 75  
**NTIS/PS-75/115/6GSB**
- Schlieren and Shadowgraph Photography (149) Jan 75  
**NTIS/PS-75/117/2GSB**
- Nondestructive Ultrasonic Testing and Inspection. Vol. 1. 1964-1971 (188) Jan 75  
**NTIS/PS-75/270/9GSB**
- Nondestructive Ultrasonic Testing and Inspection. Vol. 2. 1972-1974 (165) Jan 75  
**NTIS/PS-75/271/7GSB**
- Applications of Holography (230) Jun 75 Excludes flow visualization and acoustic holography  
**NTIS/PS-75/431/7GSB**
- Acoustic Holography (92) Jun 75  
**NTIS/PS-75/432/5GSB**
- Holographic Theory and Recording Techniques (150) Jun 75 Excludes acoustic holography and applications  
**NTIS/PS-75/433/3GSB**
- Motor Vehicle Tires: Skid and Wear Resistance; Nondestructive Tests; Safety (139) Jun 75  
**NTIS/PS-75/533/0GSB**
- Hot Wire Anemometry. Vol 1. 1964-1970 (71) Aug 75  
**NTIS/PS-75/662/7GSB**
- Hot Wire Anemometry. Vol 2. 1971-July 1975 (87) Aug 75  
**NTIS/PS-75/663/5GSB**
- Hot Film Anemometry (32) Aug 75  
**NTIS/PS-75/664/3GSB**
- Nondestructive Testing: X-ray Photography and X-ray Radiography (125) Aug 75  
**NTIS/PS-75/666/8GSB**
- Nondestructive Testing of Pavements and Pavement Bases (80) Jan 76  
**NTIS/PS-76/0062/0GSB**
- Nuclear Science and Technology**
- Radioactivity from Nuclear Power Plants (227) May 75  
**NTIS/PS-75/429/1GSB**
- Mine Safety. Part 4. Occupational Health--Radioactivity (49) Jun 75  
**NTIS/PS-75/565/2GSB**
- Nuclear Materials Safeguards. Vol 1. 1964-1974 (287) Mar 76 This bibliography does not contain abstracts  
**NTIS/PS-76/0200/6GSB**
- Nuclear Materials Safeguards. Vol 2. 1975-March 1976 (88) Mar 76  
**NTIS/PS-76/0201/4GSB**
- Seismic Detection. Part 2. Nuclear Events. Vol 1. 1970-1972 (135) Mar 76  
**NTIS/PS-76/0207/1GSB**
- Seismic Detection. Part 2. Nuclear Events. Vol 2. 1973-1974 (124) Mar 76  
**NTIS/PS-76/0208/9GSB**
- Seismic Detection. Part 2. Nuclear Events. Vol 3. 1975 (145) Mar 76  
**NTIS/PS-76/0209/7GSB**

Radiotherapeutic Agents and Techniques (193) 1964-Mar 76  
NTIS/PS-76/0290/7GSB

Radiodiagnostic Agents and Techniques. Vol. 1. 1964-1973 (177) Mar 76  
NTIS/PS-76/0291/5GSB

Radiodiagnostic Agents and Techniques. Vol. 2. 1974-March 1976. (185) Mar 76  
NTIS/PS-76/0292/3GSB

## Ocean Technology and Engineering

Foundations in Marine Environments (64) Dec 74  
NTIS/PS-75/255/0GSB

Shipborne Containers and Containerization (100) Jan 75  
NTIS/PS-75/284/0GSB

Surface Effect Vehicles/Ships in Marine Environments (108) Jan 75  
NTIS/PS-75/332/7GSB

Underwater Construction and Mining (127) May 75  
NTIS/PS-75/392/1GSB

Ocean Wave Sensors (129) May 75  
NTIS/PS-75/413/5GSB

Sewage Effects in Marine and Estuarine Environments (136) May 75  
NTIS/PS-75/430/9GSB

Marine Fouling (140) 1969-Jun 75  
NTIS/PS-75/442/4GSB

Remote Sensing of the Ocean. Part 1. Physical, Chemical, and Geological Properties (147) 1970-Apr 75  
NTIS/PS-75/446/5GSB

Remote Sensing of the Ocean. Part 2. Dynamics (87) 1970-Apr 75  
NTIS/PS-75/447/3GSB

Ocean Waste Disposal (164) May 75  
Excludes thermal effluents  
NTIS/PS-75/462/2GSB

Natural Gas. Part 2. Marine Transportation (44) May 75  
NTIS/PS-75/464/8GSB

Supertankers and Superports (81) Jun 75 Includes environmental considerations  
NTIS/PS-75/510/8GSB

The Gulf Stream (110) Jun 75  
NTIS/PS-75/525/6GSB

Offshore Drilling (116) Jun 75 Includes environmental impacts  
NTIS/PS-75/540/5GSB

Oil Spill Removal (202) Jun 74  
NTIS/PS-75/542/1GSB

Breakwaters (186) Jun 75  
NTIS/PS-75/553/8GSB

Oil Pollution Detection and Sensing (176) Jul 75  
NTIS/PS-75/595/9GSB

Offshore Structures (110) Aug 75  
NTIS/PS-75/684/1GSB

Water Quality Management in Estuaries and Coastal Zones (214) Sep 75  
Excludes specific biological and oceanographic studies  
NTIS/PS-75/698/1GSB

Oil Water Separators (89) Sep 75  
Primarily concerns ballast water and oil spill separation  
NTIS/PS-75/710/4GSB

Ocean Law (163) Sep 75  
NTIS/PS-75/712/0GSB

Oyster Utilization, Biology, and Growth (205) Sep 75  
NTIS/PS-75/718/7GSB

Mohole Project. Part 1. Drilling Platform (153) Sep 75  
NTIS/PS-75/724/5GSB

Mohole Project. Part 2. Drilling Section (269) Sep 75  
NTIS/PS-75/725/2GSB

Mohole Project. Part 3. Positioning and Reentry Systems (86) Sep 75  
NTIS/PS-75/726/0GSB

Mohole Project. Part 4. General Studies (132) Sep 75  
NTIS/PS-75/727/8GSB

Marine Anchors (106) Oct 75  
NTIS/PS-75/763/3GSB

Marine Propellers: Fluid Mechanics and Mechanical Properties (145) Oct 75  
Excludes propeller cavitation  
NTIS/PS-75/767/4GSB

Marine Propellers: Design and Fabrication (92) Oct 75  
NTIS/PS-75/768/2GSB

Underwater Voice Communication Systems (92) Oct 75  
NTIS/PS-75/773/2GSB

Underwater Breathing Apparatus (147) Oct 75  
NTIS/PS-75/774/0GSB

Underwater Clothing, Tools, and Equipment (164) Oct 75 Excludes breathing apparatus  
NTIS/PS-75/775/7GSB

Shipboard Sewage Treatment (48) Oct 75  
NTIS/PS-75/788/0GSB

Tsunamis (143) Oct 75  
NTIS/PS-75/810/2GSB

Paleoclimatology (66) Nov 75  
NTIS/PS-75/851/6GSB

Paleomagnetism (97) Nov 75  
NTIS/PS-75/852/4GSB

Shark Behavior and Biology (68) Dec 75  
NTIS/PS-75/869/8GSB

Icebreakers and Icebreaking (112) Dec 75  
NTIS/PS-75/872/2GSB

Biodeterioration of Oil Spills (99) Jan 76  
NTIS/PS-76/0032/3GSB

The Biological Effects of Oil Spills (142) Jan 76 Excludes biodeterioration  
NTIS/PS-76/0033/1GSB

Sea Water Corrosion (208) Feb 76  
NTIS/PS-76/0058/8GSB

Recreational Boating (128)  
NTIS/PS-76/0060/4GSB

Tectonics. Vol 1. 1973-1974 (170) Feb 76  
NTIS/PS-76/0091/9GSB

Tectonics. Vol 2. 1975-January 1976 (86) Feb 76  
NTIS/PS-76/0092/7GSB

Whales (115) Feb 76  
NTIS/PS-76/0111/5GSB

Thermal Pollution. Part 1. Control Techniques and General Studies (116) Mar 76 Excludes waste heat utilization studies  
NTIS/PS-76/0127/1GSB

Thermal Pollution. Part 2. Biological Effects. Vol 1. 1964-1973 (132) Mar 76  
NTIS/PS-76/0128/9GSB

Thermal Pollution. Part 2. Biological Effects. Vol 2. 1974-March 1976 (132) Mar 76  
NTIS/PS-76/0129/7GSB

Thermal Pollution. Part 3. Hydrology and Hydrodynamics (177) Mar 76  
NTIS/PS-76/0130/5GSB

Cavitation. Part 2. Hydrofoils (118) Mar 76  
NTIS/PS-76/0165/1GSB

Cavitation. Part 5. Propeller Cavitation (87) Mar 76  
NTIS/PS-76/0168/5GSB

Ecology of the Marine Environment. Vol 1. 1964-November 1974 (205) Feb 76 Excludes effects of pesticides and oil pollution  
NTIS/PS-76/0238/6GSB

Ecology of the Marine Environment. Vol 2. December 1974-March 1976 (146) March 76 Excludes effects of pesticides and oil pollution  
NTIS/PS-76/0239/4GSB

Aquaculture. Part 1. Fish. Vol 1. 1964-1974 (212) Mar 76 Excludes studies on salmon  
NTIS/PS-76/0244/4GSB

Aquaculture. Part 2. Shellfish (236) Mar 76  
NTIS/PS-76/0246/9GSB

Aquaculture. Part 3. Salmon (87) Mar 76  
NTIS/PS-76/0247/7GSB

## Ordinance

Intrusion and Weapon Detection: Crime Prevention (77) Nov 75 Divided into two parts- civil development and military development with civil possibilities  
NTIS/PS-75/809/4GSB

Lightweight Armor (123) Feb 76  
NTIS/PS-76/0106/5GSB

## Photography and Recording Devices

Holographic Flow Visualization (53) Jan 75  
NTIS/PS-75/115/6GSB

Flow Visualization (106) Jan 75 Excludes shadowgraph, schlieren, and holographic techniques  
NTIS/PS-75/116/4GSB

Schlieren and Shadowgraph Photog-  
raphy (149) Jan 75  
NTIS/PS-75/117/2GSB

Applications of Holography (230) Jun  
75 Excludes flow visualization and  
acoustic holography  
NTIS/PS-75/431/7GSB

Acoustic Holography (92) Jun 75  
NTIS/PS-75/432/5GSB

Holographic Theory and Recording  
Techniques (150) Jun 75 Excludes  
acoustic holography and applica-  
tions  
NTIS/PS-75/433/3GSB

Nondestructive Testing: X-ray Photog-  
raphy and X-ray Radiography (125)  
Aug 75  
NTIS/PS-75/666/8GSB

Printers (105) Dec 75 Includes com-  
puter printers, contact printers, pro-  
jection printers, and printer readers  
NTIS/PS-75/865/6GSB

## Physics

Infrared Upconversion (48) Dec 74  
NTIS/PS-75/075/2GSB

Holographic Flow Visualization (53) Jan  
75  
NTIS/PS-75/115/6GSB

Flow Visualization (106) Jan 75 Ex-  
cludes shadowgraph, schlieren, and  
holographic techniques  
NTIS/PS-75/116/4GSB

Schlieren and Shadowgraph Photog-  
raphy (149) Jan 75  
NTIS/PS-75/117/2GSB

Use of Ultrasonics in Manufacturing  
Procedures (89) Dec 74  
NTIS/PS-75/244/4GSB

Acoustic Surface Waves. Vol. 1. 1964-  
1972 (75) Jan 75  
NTIS/PS-75/248/5GSB

Acoustic Surface Waves. Vol. 2. 1973-  
1974 (137) Jan 75  
NTIS/PS-75/249/3GSB

Amorphous Semiconductors (224) Oct  
73 -Dec 74  
NTIS/PS-75/368/1GSB

Radiation Damage of Laser Materials  
(143) Apr 75  
NTIS/PS-75/399/6GSB

Light Detection and Ranging(LIDAR)  
(191) May 75  
NTIS/PS-75/402/8GSB

Light Communication Systems (151)  
Apr 75  
NTIS/PS-75/412/7GSB

Light Emitting Diodes (159) Apr 75  
NTIS/PS-75/415/0GSB

Fiber Optics (147) 1969-May 75  
NTIS/PS-75/420/0GSB

Structural Mechanics Software (185)  
May 75  
NTIS/PS-75/428/3GSB

Applications of Holography (230) Jun  
75 Excludes flow visualization and  
acoustic holography  
NTIS/PS-75/431/7GSB

Acoustic Holography (92) Jun 75  
NTIS/PS-75/432/5GSB

Holographic Theory and Recording  
Techniques (150) Jun 75 Excludes  
acoustic holography and applica-  
tions  
NTIS/PS-75/433/3GSB

Magnetohydrodynamic Generators in  
Power Generation (105) May 75  
NTIS/PS-75/448/1GSB

Ferrite Microwave Electronics. Vol 1.  
1964-1969 (221) Apr 75  
NTIS/PS-75/457/2GSB

Ferrite Microwave Electronics. Vol 2.  
1970-Apr 75 (105) Apr 75  
NTIS/PS-75/458/0GSB

Stress Crack Phenomena (186) Jun 75  
Excludes rock mechanics and  
mathematical analysis  
NTIS/PS-75/465/5GSB

Mathematical Analysis of Stress Cracks.  
Vol 1. 1964-1973 (207) June 75  
NTIS/PS-75/466/3GSB

Mathematical Analysis of Stress Cracks.  
Vol 2. 1974-May 75 (109) June 75  
NTIS/PS-75/467/1GSB

Carbon Dioxide Lasers. Vol 1. 1970-1974  
(266) Jun 75  
NTIS/PS-75/473/9GSB

Carbon Dioxide Lasers. Vol 2. 1975 (51)  
Jun 75  
NTIS/PS-75/474/7GSB

Chemical Vapor Deposition (211) May  
75  
NTIS/PS-75/477/0GSB

Finite Elements in Structural Analysis  
(70) Jun 75  
NTIS/PS-75/496/0GSB

Drag Reducing Fluids (158) 1969-Jun  
75  
NTIS/PS-75/497/8GSB

Dye Lasers (173) Jun 75  
NTIS/PS-75/539/7GSB

Gas Dynamic Lasers (112) Jul 75  
NTIS/PS-75/573/6GSB

Josephson Junctions (111) Jul 75  
NTIS/PS-75/590/0GSB

Liquid Crystals (202) Jul 75  
NTIS/PS-75/591/8GSB

Metal Vapor Lasers (51) Aug 75  
NTIS/PS-75/625/4GSB

Silicon Solar Cells (147) Jul 75  
NTIS/PS-75/628/8GSB

Superconducting Magnets (137) Jul 75  
NTIS/PS-75/636/1GSB

Numerical Methods in Fluid Flow  
Problems Vol. 1 1970-1974 (236)  
Aug 75  
NTIS/PS-75/642/9GSB

Numerical Methods in Fluid Flow  
Problems Vol. 2 January 1975-Aug-  
ust 1975 (96) Aug 75  
NTIS/PS-75/643/7GSB

Carbon Monoxide Lasers (124) Aug 75  
NTIS/PS-75/658/5GSB

Accident Risks in Nuclear Facilities  
(131) Aug 75  
NTIS/PS-75/659/3GSB

Ion Implantation (140) Aug 75  
NTIS/PS-75/661/9GSB

Hot Wire Anemometry. Vol 1. 1964-1970  
(71) Aug 75  
NTIS/PS-75/662/7GSB

Hot Wire Anemometry. Vol 2. 1971-July  
1975 (87) Aug 75  
NTIS/PS-75/663/5GSB

Hot Film Anemometry (32) Aug 75  
NTIS/PS-75/664/3GSB

Atmospheric Effects on Laser Beams  
(227) Aug 75  
NTIS/PS-75/670/0GSB

Magnetic Bubble Domains (55) Sep 75  
NTIS/PS-75/686/6GSB

Squid Devices (59) Aug 75  
NTIS/PS-75/687/4GSB

Cadmium Sulfide Solar Cells (181) Sep  
75  
NTIS/PS-75/693/2GSB

Hydrogen Fluoride and Deuterium  
Fluoride Lasers (188) Sep 75  
NTIS/PS-75/703/6GSB

Ultraviolet and X Ray Lasers (132) Sep  
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NTIS/PS-75/738/5GSB

Electroluminescent Display Devices  
(114) Sep 75  
NTIS/PS-75/742/7GSB

Frequency Standards (136) Oct 75  
NTIS/PS-75/765/8GSB

Laser Fusion (109) Nov 75  
NTIS/PS-75/703/1GSB

Electron Beam Fusion (44) Nov 75  
NTIS/PS-75/784/9GSB

Gallium Arsenide Lasers (92) Oct 75  
NTIS/PS-75/792/2GSB

Range Finders (114) Nov 75  
NTIS/PS-75/812/8GSB

Boundary Layer Separation. Vol 1. 1966-  
1970 (127) Nov 75  
NTIS/PS-75/814/4GSB

Boundary Layer Separation. Vol 2. 1971-  
Aug 75 (115) Nov 75  
NTIS/PS-75/815/1GSB

Boundary Layer Transition. Vol 1. 1964-  
1968 (98) Nov 75  
NTIS/PS-75/816/9GSB

Boundary Layer Transition. Vol 2. 1969-  
1971 (104) Nov 75  
NTIS/PS-75/817/7GSB

Boundary Layer Transition. Vol 3. 1972-  
1975 (112) Nov 75  
NTIS/PS-75/818/5GSB

Shear Flow. Part 1. Liquids (152) Oct 75  
NTIS/PS-75/819/3GSB

Shear Flow. Part 2. Gases. Vol 1. 1964-  
1969 (154) Nov 75  
NTIS/PS-75/820/1GSB

Shear Flow. Part 2. Gases. Vol 2. 1970-  
November 1975 (166) Nov 75  
NTIS/PS-75/821/9GSB

Shear Flow. Part 3. General Studies  
(150) Nov 75 Excludes wind shear  
NTIS/PS-75/822/7GSB

Flow Reattachment (86) Nov 75  
NTIS/PS-75/823/5GSB

Boundary Layer Control (143) Nov 75  
NTIS/PS-75/824/3GSB

Nuclear Fusion (139) Dec 75 Excludes research sponsored by ERDA as well as that on laser and electron beam fusion  
**NTIS/PS-75/850/8GSB**

Cascade Flow. Vol 1. 1964-1973 (194) Dec 75  
**NTIS/PS-75/877/1GSB**

Cascade Flow. Vol 2. 1974-October 1975 (64) Dec 75  
**NTIS/PS-75/878/9GSB**

Cavity Flow. Vol. 1. 1964-1970 (110) Feb 76  
**NTIS/PS-76/0040/6GSB**

Cavity Flow. Vol. 2. 1971-1975 (94) Feb 76  
**NTIS/PS-76/0041/4GSB**

Frequency Allocation and Management (147) Jan 76  
**NTIS/PS-76/0054/7GSB**

Schottky Barrier Devices (181) Jan 76  
**NTIS/PS-76/0065/3GSB**

Schottky Barrier Devices (127) 1975 (E1)  
**NTIS/PS-76/0066/1GSB**

Aircraft Wake Vortices (177) Feb 76  
**NTIS/PS-76/0072/9GSB**

Gallium Arsenide Epitaxial Growth (172) Feb 76  
**NTIS/PS-76/0102/4GSB**

Cosmology (113) Mar 76  
**NTIS/PS-76/0126/3GSB**

Solar Eclipses (150) Mar 76  
**NTIS/PS-76/0131/3GSB**

Quantum Electrodynamics (175) Mar 76  
**NTIS/PS-76/0132/1GSB**

Quasars, Pulsars and Black Holes (205) Mar 76  
**NTIS/PS-76/0134/7GSB**

Relativity Theory (136) Mar 76  
**NTIS/PS-76/0135/4GSB**

Fluid Control Devices. Vol 1. 1964-December 1971 (188) Mar 76  
**NTIS/PS-76/0139/6GSB**

Fluid Control Devices. Vol 2. 1972-February 1976 (156) Mar 76  
**NTIS/PS-76/0140/4GSB**

Fluid Control Devices (161) 1974-Feb 76 (E1)  
**NTIS/PS-76/0141/2GSB**

Cavitation. Part 1. Cavitation Flow. Vol 1. 1964-1973 (131) Mar 76  
**NTIS/PS-76/0163/6GSB**

Cavitation. Part 1. Cavitation Flow. Vol 2. 1974-Feb 1976 (72) Mar 76  
**NTIS/PS-76/0164/4GSB**

Cavitation. Part 2. Hydrofoils (118) Mar 76  
**NTIS/PS-76/0165/1GSB**

Cavitation. Part 3. Corrosion and Erosion (104) Mar 76 Excludes turbine cavitation  
**NTIS/PS-76/0166/9GSB**

Cavitation. Part 4. Cavitation Flow and Erosion in Turbines (70) Mar 76  
**NTIS/PS-76/0167/7GSB**

Cavitation. Part 5. Propeller Cavitation (87) Mar 76  
**NTIS/PS-76/0168/5GSB**

Superfluidity (142) Mar 76  
**NTIS/PS-76/0199/0GSB**

Nuclear Materials Safeguards. Vol 1. 1964-1974 (287) Mar 76 This bibliography does not contain abstracts  
**NTIS/PS-76/0200/6GSB**

Nuclear Materials Safeguards. Vol 2. 1975-March 1976 (88) Mar 76  
**NTIS/PS-76/0201/4GSB**

Nonlinear Acoustics (87) Mar 76  
**NTIS/PS-76/0235/2GSB**

Heat Pipes. Vol. 1. 1964-1972 (175) Mar 76  
**NTIS/PS-76/0248/5GSB**

Heat Pipes. Vol. 2. 1973-February 1976 (191) Mar 76  
**NTIS/PS-76/0249/3GSB**

Heat Pipes. Vol. 1. 1970-1973 (125) Mar 76 (E1)  
**NTIS/PS-76/0250/1GSB**

Heat Pipes. Vol. 2. 1974 Feb 76 (137) Mar 76 (E1)  
**NTIS/PS-76/0251/9GSB**

Cobalt Rare Earth Permanent Magnets (113) Mar 76  
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Aerodynamic Forces on Motor Vehicles (38) Mar 76  
**NTIS/PS-76/0283/2GSB**

## Propulsion

Hydrogen Energy (86) Apr 75  
**NTIS/PS-75/379/8GSB**

Synthetic Fuels From Municipal, Industrial, and Agricultural Wastes (36) Aug 75  
**NTIS/PS-75/655/1GSB**

Cascade Flow. Vol 1. 1964-1973 (194) Dec 75  
**NTIS/PS-75/877/1GSB**

Cascade Flow. Vol 2. 1974-October 1975 (64) Dec 75  
**NTIS/PS-75/878/9GSB**

Diesel Engine Exhaust (114) Jan 76  
**NTIS/PS-76/0007/5GSB**

Turbine Blades: Erosion and Corrosion (80) Feb 76 Excludes cavitation  
**NTIS/PS-76/0081/0GSB**

Turbine Blades: Erosion and Corrosion (108) Feb 76 Excludes cavitation (E1)  
**NTIS/PS-76/0082/8GSB**

Gas and Steam Turbines, General: Corrosion and Erosion (166) Feb 76 Excludes turbine blades cavitation  
**NTIS/PS-76/0087/7GSB**

Gas and Steam Turbines, General: Corrosion and Erosion (139) Feb 76 Excludes turbine blades cavitation (E1)  
**NTIS/PS-76/0088/5GSB**

Fluidized Bed Combustion (138) Mar 76  
**NTIS/PS-76/0161/0GSB**

Fluidized Bed Combustion (136) Mar 76 (E1)  
**NTIS/PS-76/0162/8GSB**

Cavitation. Part 4. Cavitation Flow and Erosion in Turbines (70) Mar 76  
**NTIS/PS-76/0167/7GSB**

Automobile Air Pollution. Part 3. Control Equipment (125) 1970-Feb 76 Includes retrofit techniques, catalytic converters, and thermal reactors  
**NTIS/PS-76/0185/9GSB**

Automobile Air Pollution. Part 4. New Automotive Engines and Engine Improvements (111) 1970-Feb 1976  
**NTIS/PS-76/0187/5GSB**

## Space Technology

Range Finders (114) Nov 75  
**NTIS/PS-75/812/8GSB**

Remotely Piloted Vehicles (85) Dec 75 Includes aircraft, drones, and extraterrestrial vehicles  
**NTIS/PS-75/876/3GSB**

Aerospace Computer Systems. Part 2. Spacecraft and Guided Missile Applications (154) Jan 76  
**NTIS/PS-76/0043/0GSB**

## Transportation

Omega Navigation System (129) Jan 75  
**NTIS/PS-75/151/1GSB**

Hazardous Materials Transportation (126) Dec 74 Excludes radioactive wastes  
**NTIS/PS-75/286/5GSB**

Dual Mode Transportation (77) Feb 75  
**NTIS/PS-75/287/3GSB**

Surface Effect Vehicles and Surface Effect: General Studies. Vol. 1. 1964-1971 (134) Jan 75 Does not include marine environments  
**NTIS/PS-75/333/5GSB**

Surface Effect Vehicles and Surface Effect: General Studies. Vol. 2. 1972-1974 (67) Jan 75 Does not include marine environments  
**NTIS/PS-75/334/3GSB**

Fuel Consumption. Part 2. Transportation (93) Feb 75  
**NTIS/PS-75/342/6GSB**

Air Traffic Congestion and Capacity (106) Apr 75  
**NTIS/PS-75/376/4GSB**

Urban Automated Traffic Control (114) May 75  
**NTIS/PS-75/403/6GSB**

Microwave Landing Systems (80) Apr 75  
**NTIS/PS-75/417/6GSB**

BART and METRO--Rapid Transit for the San Francisco and Washington D.C. Areas (16%) May 75  
**NTIS/PS-75/421/8GSB**

Inertial Navigation and Guidance (208) Apr 74  
**NTIS/PS-75/436/6GSB**

Highway Traffic Noise (101) May 75  
**NTIS/PS-75/444/0GSB**

Natural Gas. Part 2. Marine Transportation (44) May 75  
**NTIS/PS-75/464/8GSB**

Electric Automobiles (80) Jun 75  
**NTIS/PS-75/490/3GSB**

Aircraft Air Pollution (193) Jun 75 Includes studies of exhaust from su-

- personic aircraft and from around airports  
NTIS/PS-75/491/1GSB
- Drinking Drivers (91) Jun 75  
NTIS/PS-75/505/8GSB
- Airfield Pavements. Vol 1. 1964-1970 (159) Jun 75  
NTIS/PS-75/518/1GSB
- Airfield Pavements. Vol 2. 1971-1972 (123) Jun 75  
NTIS/PS-75/519/9GSB
- Airfield Pavements. Vol 3. 1973-1975 (111) Jun 75  
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- Air Traffic Control Simulation Models (185) Jun 75  
NTIS/PS-75/521/5GSB
- Airport Noise (138) Jun 75  
NTIS/PS-75/530/6GSB
- Motor Vehicle Tires: Skid and Wear Resistance; Nondestructive Tests; Safety (139) Jun 75  
NTIS/PS-75/533/0GSB
- Transportation for the Elderly or Physically Handicapped (41) Jul 75  
NTIS/PS-75/575/1GSB
- Insurance. Part 2. Automobile and Other Transportation Insurance (55) Jul 75  
NTIS/PS-75/605/6GSB
- Motor Vehicle Operator Behavior (119) Aug 75 Excludes studies on the effects of stress, alcohol, and vision characteristics  
NTIS/PS-75/619/7GSB
- Driver Performance under Abnormal Conditions. Physical Impairment, Drugs, Gases (43) Aug 75 Excludes alcohol effects  
NTIS/PS-75/620/5GSB
- Automobile Impact Tests (186) Aug 1975  
NTIS/PS-75/651/0GSB
- Pedestrian Movement and Safety (96) Sep 75  
NTIS/PS-75/660/1GSB
- Dial-A-Ride (59) Aug 75  
NTIS/PS-75/665/0GSB
- Collision Avoidance Systems (198) Aug 75  
NTIS/PS-75/671/8GSB
- Bus Transportation. Vol 1. National and General Studies (175) Sep 75  
NTIS/PS-75/705/4GSB
- Bus Transportation. Vol 2. Local Studies (212) Aug 75  
NTIS/PS-75/706/2GSB
- Crime and Law Enforcement in Transportation Systems (48) Sep 75  
NTIS/PS-75/732/8GSB
- Automobile Safety: Seat Belts (153) Oct 75  
NTIS/PS-75/735/1GSB
- Automobile Safety: Bumpers (41) Oct 75  
NTIS/PS-75/736/9GSB
- Fog Dispersal (177) Oct 75  
NTIS/PS-75/750/0GSB
- Clear Air Turbulence (232) Oct 75  
NTIS/PS-75/761/7GSB
- Maneuvering Aircraft: Noise Pollution and Control. (170) Oct 75 Covers takeoff, landing, and flyby noise excluding sonic boom  
NTIS/PS-75/762/5GSB
- Bicycle Safety and Transportation (53) Nov 75  
NTIS/PS-75/787/2GSB
- Signs and Display Systems: Graphic Design and Human Engineering (107) Nov 75  
NTIS/PS-75/791/4GSB
- Car Pools (21) Dec 75  
NTIS/PS-75/854/0GSB
- Stress Factors on Pilot Performance (94) Dec 75  
NTIS/PS-75/890/4GSB
- Travel Time Studies for Surface Transportation (155) Jan 76 Includes both automobile and mass transit travel but excludes freight transportation  
NTIS/PS-76/0002/6GSB
- Highway Beautification (58) Jan 76  
NTIS/PS-76/0009/1GSB
- Freight Travel Time (36) Jan 76  
NTIS/PS-76/0010/9GSB
- Air Bag Restraints (85) Jan 76  
NTIS/PS-76/0024/0GSB
- Travel Habits and Patterns. Vol 1. 1964-1973 (83) Jan 76  
NTIS/PS-76/0025/7GSB
- Travel Habits and Patterns. Vol 2. 1974-1975 (112) Jan 76  
NTIS/PS-76/0026/5GSB
- Discrete Address Beacon System (77) Jan 76  
NTIS/PS-76/0039/8GSB
- Transportation Users: Demands and Needs (56) Jan 76 Covers commuters, disadvantaged, handicapped, and various age groups  
NTIS/PS-76/0044/8GSB
- Demands and Needs of Future Transportation. Part 1. Air Transportation (133) 1968-Jan 76 Cites the needs of local areas, regions, states, and the nation  
NTIS/PS-76/0045/5GSB
- Demands and Needs of Future Transportation. Part 2. Surface Transportation (108) Jan 76 Includes urban, rail, and marine  
NTIS/PS-76/0046/3GSB
- Aircraft Wake Vortices (177) Feb 76  
NTIS/PS-76/0072/9GSB
- Tracked Air Cushion Vehicles and Magnetic Levitation (98) Feb 76  
NTIS/PS-76/0094/3GSB
- Ice and Fog: Detection and Warning Systems (91) Feb 76  
NTIS/PS-76/0096/8GSB
- Urban Parking (103) Mar 76  
NTIS/PS-76/0112/3GSB
- Driver Education (124) Mar 76  
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- Public Attitudes Toward Highways and Highway Transportation (93) Mar 76  
NTIS/PS-76/0153/7GSB
- Railroad Freight Transportation (204) Mar 76  
NTIS/PS-76/0169/3GSB
- Railroad Management and Planning. Vol 1. 1964-1973 Mar 76 Excludes freight transportation  
NTIS/PS-76/0170/1GSB
- Railroad Management and Planning. Vol 2. 1974-February 1976 (86) Mar 76 Excludes freight transportation  
NTIS/PS-76/0171/9GSB
- Aircraft Sonic Boom. Part 1. Aircraft Flight, Aircraft Design, and Measurement (119) Mar 76  
NTIS/PS-76/0175/0GSB
- Aircraft Sonic Boom. Part 2. Effects on Buildings (64) Mar 76  
NTIS/PS-76/0176/8GSB
- Aircraft Sonic Boom. Part 3. Biological Effects (66) Mar 76  
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- Automobile Air Pollution. Part 1. Abatement Through Management and Planning (118) 1970-Feb 76  
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- Automobile Air Pollution. Part 2. Exhaust Analysis (52) 1970-Feb 76  
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- Automobile Air Pollution. Part 3. Control Equipment (125) 1970-Feb 76 Includes retrofit techniques, catalytic converters, and thermal reactors  
NTIS/PS-76/0185/9GSB
- Automobile Air Pollution. Part 3. Control Equipment--Catalytic Converters (145) Mar 76 Includes only catalytic converter studies (Ei)  
NTIS/PS-76/0186/7GSB
- Automobile Air Pollution. Part 4. New Automotive Engines and Engine Improvements (111) 1970-Feb 1976  
NTIS/PS-76/0187/5GSB
- Automobile Air Pollution. Part 5. Automotive Fuels (69) 1970-Feb 76  
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- Automobile Air Pollution. Part 6. Atmospheric Motion (54) 1970-Feb 76  
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- Automobile Air Pollution. Part 7. Public Health (26) Mar 76  
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- Motorcycle Safety, Environmental Effects, and Performance Studies (78) Mar 76  
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- Financing Urban Transportation. Part 1. General Studies (84) 1970-Mar 76  
NTIS/PS-76/0231/1GSB
- Financing Urban Transportation. Part 2. Local Studies (138) 1970-Mar 76  
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- Aerodynamic Forces on Motor Vehicles (38) Mar 76  
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- Aerodynamic Forces on Motor Vehicles (70) Mar 76 (Ei)  
NTIS/PS-76/0284/0GSB
- Highway Markings (92) Apr 76  
NTIS/PS-76/0294/9GSB
- Highway Safety Structures (142) Apr 76  
NTIS/PS-76/0295/6GSB



Tourism and Vacation Travel in the United States (113) Apr 76  
NTIS/PS-76/0306/1GSB

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Remote Sensing for Natural Resource, Environmental, and Regional Planning (91) 1973-Jan 75  
NTIS/PS-75/104/0GSB

Dual Mode Transportation (77) Feb 75  
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Central City Redevelopment (54) Feb 75  
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Effects of Land Use and Urbanization on Water Resources (94) 1971-May 75  
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Urban Automated Traffic Control (114) May 75  
NTIS/PS-75/403/6GSB

Health Care Delivery (137) May 75  
NTIS/PS-75/419/2GSB

BART and METRO--Rapid Transit for the San Francisco and Washington D.C. Areas (168) May 75  
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Crimes and Crime Prevention (134) May 75  
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NTIS/PS-75/442/2GSB

Highway Traffic Noise (101) May 75  
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Air Quality Monitoring (181) Jun 75  
NTIS/PS-75/529/8GSB

Urban Noise Pollution (79) Jul 75  
NTIS/PS-75/544/7GSB

Urban Air Pollution (172) Jul 75 Includes only studies deemed of general interest to urban planners  
NTIS/PS-75/545/4GSB

Land Mobile Communications (51) Jun 75  
NTIS/PS-75/546/2GSB

The Elderly (174) Jun 75  
NTIS/PS-75/548/8GSB

Flood Control (258) 1972-Jun 75  
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Quality of Life in the Urban Environment (166) 1970-Jun 75  
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Industrialized Housing (183) Jul 75  
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Transportation for the Elderly or Physically Handicapped (41) Jul 75  
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Telecommunications in Medicine (36) Jul 75  
NTIS/PS-75/580/1GSB

Activated Sludge Treatment (256) Jul 75 Excludes sludge disposal  
NTIS/PS-75/589/2GSB

Urban Sewage Treatment Planning (175) 1970-Jul 75  
NTIS/PS-75/596/7GSB

Urban Storm Sewers and Water Runoff. Vol 2. 1974-Jun 1975. (105) Jul 75  
NTIS/PS-75/602/3GSB

Urban Storm Sewers and Water Runoff. Vol 1. 1964-1973 (177) Jul 75  
NTIS/PS-75/603/1GSB

Urban Information Systems. Part 1. General (69) Jul 75  
NTIS/PS-75/623/9GSB

Urban Information Systems. Part 2. USAC Reports (210) Jul 75  
NTIS/PS-75/624/7GSB

Juvenile Delinquency (195) Aug 75  
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Explosives and Narcotics Detection Using Dcgs (29) Sep 75  
NTIS/PS-75/648/6GSB

Building Fires (137) Sep 75  
NTIS/PS-75/652/8GSB

The Use of Mass Media by Local and Regional Governments (77) Aug 75  
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Housing (211) 1970-Aug 75  
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Land Use in Urban Areas (183) Aug 75  
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Pedestrian Movement and Safety (96) Sep 75  
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Sanitary Landfills (194) Aug 75  
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Disasters (167) Sep 75 Excludes disasters from nuclear warfare  
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Crime Prevention and Enforcement Through Community Relations (88) Sep 75  
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Participative Management (102) Sep 75  
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 NTIS/PS-76/0146/1GSB

**Bargaining, Labor**  
 NTIS/PS-76/0124/8GSB

**Barriers, Highway safety**  
 NTIS/PS-76/0295/6GSB

**BART, Bay area rapid transit**  
 NTIS/PS-75/421/8GSB

**Battery electrodes, Surface chemistry**  
 NTIS/PS-75/644/5GSB

**Beach erosion, Shore protection**  
 NTIS/PS-75/469/7GSB

**Beacons, Air traffic control**  
 NTIS/PS-76/0039/8GSB

**Beam leads, Microelectronics**  
 NTIS/PS-75/246/9GSB

**Bearings, Ball bearings**  
 NTIS/PS-75/805/2GSB  
 NTIS/PS-75/806/0GSB

**Bearings, Gas**  
 NTIS/PS-75/807/8GSB  
 NTIS/PS-75/808/6GSB

**Bearings, High temperature**  
 NTIS/PS-75/716/1GSB

**Bearings, Journal bearings**  
 NTIS/PS-75/801/1GSB

**Bearings, Liquids**  
 NTIS/PS-75/804/5GSB

**Bearings, Roller bearings**  
 NTIS/PS-75/803/7GSB

**Bearings, Sleeve bearings**  
 NTIS/PS-75/802/9GSB

**Bearings, Thrust bearings**  
 NTIS/PS-75/802/9GSB

**Behavior, Adolescents**  
 NTIS/PS-75/232/9GSB

**Behavior, Aggression**  
 NTIS/PS-76/0211/3GSB

**Behavior, Criminology**  
 NTIS/PS-75/758/3GSB

**Behavior, Fatigue**  
 NTIS/PS-76/0095/0GSB

**Behavior, Motor vehicle operators**  
 NTIS/PS-75/619/7GSB

**Behavior, Social change**  
 NTIS/PS-76/0182/6GSB

**Behavior, Travel**  
 NTIS/PS-76/0025/7GSB  
 NTIS/PS-76/0026/5GSB

**Beneficiation, Coal**  
 NTIS/PS-75/593/4GSB

**Beryllium, Pollution**  
 NTIS/PS-75/772/4GSB

**Bicycles**  
 NTIS/PS-75/787/2GSB

**Bilge water, Oil water separators**  
 NTIS/PS-75/710/4GSB

**Biochemical oxygen demand**  
 NTIS/PS-75/375/6GSB

**Biochemistry, Chemical warfare agents**  
 NTIS/PS-75/834/2GSB

**Biochemistry, Molecular biology**  
 NTIS/PS-76/0001/8GSB

**Biodeterioration, Oil pollution**  
 NTIS/PS-76/0032/3GSB

**Biofeedback**  
 NTIS/PS-75/885/4GSB

**Bioindicators**  
 NTIS/PS-75/796/3GSB

**Biological pest control**  
 NTIS/PS-75/887/0GSB

**Biological productivity, Fresh water**  
 NTIS/PS-76/0056/2GSB

**Biological warfare agents, Biology**  
 NTIS/PS-75/834/2GSB

**Biological warfare agents, Detection**  
 NTIS/PS-75/832/6GSB

**Biological warfare agents, Dissemination**  
 NTIS/PS-75/836/7GSB

**Biological warfare agents, Protection**  
 NTIS/PS-75/833/4GSB

**Blomaterials**  
 NTIS/PS-75/487/9GSB  
 NTIS/PS-75/488/7GSB

**Biomedical information systems**  
 NTIS/PS-75/419/2GSB  
 NTIS/PS-75/891/2GSB

**Bionics**  
 NTIS/PS-75/396/2GSB

**Biotelemetry**  
 NTIS/PS-75/855/7GSB

**Biphenyl/chloro**  
 NTIS/PS-75/713/8GSB

**Birth control**  
 NTIS/PS-75/880/5GSB

**Black holes**  
 NTIS/PS-76/0134/7GSB

**Blind, Rehabilitation**  
 NTIS/PS-76/0028/1GSB

**Blindness**  
 NTIS/PS-75/427/5GSB

**Blindness, Handicapped persons**  
 NTIS/PS-75/427/5GSB

**Blindness, Vocational rehabilitation**  
 NTIS/PS-75/427/5GSB

**Block design**  
 NTIS/PS-75/776/5GSB

**Blood compatible materials**  
 NTIS/PS-75/487/9GSB  
 NTIS/PS-75/488/7GSB

**Blood diseases, Cancer**  
 NTIS/PS-76/0288/1GSB

**Blood diseases, Hemophilia**  
 NTIS/PS-76/0195/8GSB

**Blood diseases, Septicemia**  
 NTIS/PS-76/0289/9GSB

**Blood preservation**  
 NTIS/PS-75/778/1GSB  
 NTIS/PS-75/779/9GSB

**Blood pressure, Diseases**  
 NTIS/PS-76/0179/2GSB

**Blood storage**  
 NTIS/PS-75/778/1GSB  
 NTIS/PS-75/779/9GSB

**Blood transfusion, Hepatitis**  
 NTIS/PS-75/543/9GSB

**Boats, Recreational boating**  
 NTIS/PS-76/0060/4GSB

**Body armor**  
 NTIS/PS-76/0106/5GSB

**Boilers, Corrosion**  
 NTIS/PS-75/555/3GSB

**Bonding, Adhesives**  
 NTIS/PS-75/704/7GSB

**Bonding, Diffusion**  
 NTIS/PS-75/771/6GSB

**Books, Publishing**  
 NTIS/PS-76/0005/9GSB

**Boolean functions, Automata theory**  
 NTIS/PS-75/707/0GSB

**Boron fibers, Composite materials**  
NTIS/PS-75/414/3GSB

**Boron reinforced composites**  
NTIS/PS-75/414/3GSB

**Boron reinforced plastics**  
NTIS/PS-76/0064/6GSB

**Boundary layer control, Fluid flow**  
NTIS/PS-75/824/3GSB

**Boundary layer, Flow separation**  
NTIS/PS-75/814/4GSB  
NTIS/PS-75/815/1GSB

**Boundary layer reattachment**  
NTIS/PS-75/823/5GSB

**Boundary layer transition, Fluid dynamics**  
NTIS/PS-75/816/9GSB  
NTIS/PS-75/817/7GSB  
NTIS/PS-75/818/5GSB

**Breakthrough Operation, Housing**  
NTIS/PS-75/571/0GSB

**Breakwaters**  
NTIS/PS-75/553/8GSB

**Bridges, Construction**  
NTIS/PS-75/888/8GSB

**Bridges, Earthquake engineering**  
NTIS/PS-75/632/0GSB  
NTIS/PS-75/633/8GSB

**Bridges, Wind pressure**  
NTIS/PS-75/870/6GSB

**Bromohydrocarbons, Toxicity**  
NTIS/PS-75/387/1GSB

**Buildings, Earthquake engineering**  
NTIS/PS-75/632/0GSB  
NTIS/PS-75/633/8GSB

**Buildings, Fires**  
NTIS/PS-75/652/8GSB

**Buildings, Sonic boom**  
NTIS/PS-76/0176/8GSB

**Buildings, Total energy systems**  
NTIS/PS-76/0274/1GSB  
NTIS/PS-76/0275/8GSB

**Buildings, Wind pressure**  
NTIS/PS-75/870/6GSB

**Bulldozers, Construction equipment**  
NTIS/PS-75/391/3GSB

**Bumpers, Automobiles**  
NTIS/PS-75/736/9GSB

**Buoyancy systems, Mohole project**  
NTIS/PS-75/724/5GSB

**Burns, Chemotherapy surgery**  
NTIS/PS-76/0104/0GSB

**Bus lines, Dial-a-ride**  
NTIS/PS-75/665/0GSB

**Bus transportation, Urban areas**  
NTIS/PS-75/705/4GSB  
NTIS/PS-75/706/2GSB

**Business, Minority groups**  
NTIS/PS-75/845/8GSB

**Cable television**  
NTIS/PS-75/404/4GSB

**Cadmium, Pollution**  
NTIS/PS-75/681/7GSB

**Cadmium sulfides, Solar cells**  
NTIS/PS-75/693/2GSB

**Camouflage**  
NTIS/PS-76/0079/4GSB

**Camping, Recreation**  
NTIS/PS-76/0138/8GSB

**Cancer, Blood diseases**  
NTIS/PS-76/0288/1GSB

**Cancer, Drugs**  
NTIS/PS-75/509/0GSB

**Cancer, Immunology**  
NTIS/PS-76/0218/8GSB

**Cancer, Radiotherapy**  
NTIS/PS-76/0290/7GSB

**Cancer, Respiratory system**  
NTIS/PS-75/841/7GSB

**Cancer, Uranium mining**  
NTIS/PS-75/565/2GSB

**Cancer, Viruses**  
NTIS/PS-76/0172/7GSB

**Car pools, Urban transportation**  
NTIS/PS-75/854/0GSB

**Carbon**  
NTIS/PS-75/182/6GSB

**Carbon, Amorphous materials**  
NTIS/PS-75/618/9GSB

**Carbon black**  
NTIS/PS-75/617/1GSB

**Carbon composites**  
NTIS/PS-75/614/8GSB

**Carbon dioxide lasers**  
NTIS/PS-75/473/9GSB  
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**Carbon fibers**  
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**Carbon foams**  
NTIS/PS-75/617/1GSB

**Carbon monoxide lasers**  
NTIS/PS-75/658/5GSB

**Carbon reinforced plastics**  
NTIS/PS-76/0064/6GSB

**Carbon, Research**  
NTIS/PS-75/617/1GSB

**Carboranes, Chemistry**  
NTIS/PS-75/597/5GSB

**Carboranes, Polycarboranes**  
NTIS/PS-75/554/6GSB

**Carcinogens**  
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**Cardiac assist devices**  
NTIS/PS-75/423/4GSB

**NTIS/PS-75/424/2GSB**

**Cardiac pacemakers**  
NTIS/PS-75/423/4GSB  
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**Cardiovascular diseases**  
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**Cardiovascular diseases, Driver**  
NTIS/PS-75/620/5GSB

**Career development, Civilian personnel**  
NTIS/PS-76/0116/4GSB

**Career development, Military personnel**  
NTIS/PS-76/0115/6GSB

**Cargo ships, Containers**  
NTIS/PS-75/284/0GSB

**Cargo transportation, Natural gas**  
NTIS/PS-75/464/8GSB

**Cargo transportation, Railroads**  
NTIS/PS-76/0169/3GSB

**Cargo transportation, Security**  
NTIS/PS-75/732/8GSB

**Cargo, Travel time**  
NTIS/PS-76/0010/9GSB

**Cargo vehicles, Insurance**  
NTIS/PS-75/605/6GSB

**Cascade flow, Compressors**  
NTIS/PS-75/877/1GSB  
NTIS/PS-75/878/9GSB

**Cascade structures, Fluid flow**  
NTIS/PS-75/877/1GSB  
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**Casting, Iron alloys**  
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**Casting, Steels**  
NTIS/PS-76/0142/0GSB

**Catalytic reactors(Exhaust systems)**  
NTIS/PS-76/0185/9GSB  
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**Cathodic protection, Corrosion prevention**  
NTIS/PS-75/241/0GSB

**Cavitation, Corrosion**  
NTIS/PS-76/0166/9GSB

**Cavitation, Fluid flow**  
NTIS/PS-76/0163/6GSB  
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**Cavitation, Hydrofoils**  
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**Cavitation, Propellers(Marine)**  
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**Cavitation, Turbines**  
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**Cavity flow**  
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**Cells(Biology), Radiation effects**  
NTIS/PS-75/551/2GSB

Cellular plastics  
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Cellular plastics, Polyurethane foams  
NTIS/PS-75/634/6GSB

Cement, Prestressing  
NTIS/PS-76/0098/4GSB

Cements, Construction materials  
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Ceramic materials, Fractures(Materials)  
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Ceramic materials, Magnesium oxides  
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Ceramics, Lightweight armor  
NTIS/PS-76/0106/5GSB

Cetacea  
NTIS/PS-76/0111/5GSB

Cetacea, Auditory perception  
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Cetacea, Echolocation  
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Character recognition devices  
NTIS/PS-75/892/0GSB

Charge coupled devices  
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Charge transfer, Semiconductor devices  
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Chemical analysis, Aerosols  
NTIS/PS-75/527/2GSB

Chemical analysis, Archaeology  
NTIS/PS-75/859/9GSB

Chemical analysis, Electrochemical method  
NTIS/PS-75/627/0GSB

Chemical analysis, Forensic chemistry  
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Chemical analysis, Ion specific electrode  
NTIS/PS-75/622/1GSB

Chemical analysis, Lubricating oils  
NTIS/PS-75/688/2GSB

Chemical analysis, Nitrogen oxides  
NTIS/PS-75/608/0GSB

Chemical analysis, Oil pollution  
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Chemical analysis, Steels  
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Chemical analysis, Water pollution  
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Chemical analysis, X ray fluorescence  
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Chemical industry, Pollution  
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Chemical lasers, Hydrogen fluoride  
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Chemical reactions, Silicone resins  
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Chemical vapor deposition  
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Chemical warfare agents, Biochemistry  
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Chemical warfare agents, Biology - chem.  
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Chemical warfare agents, Decontamination  
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Chemical warfare agents, Defoliants  
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Chemical warfare agents, Detection  
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Chemical warfare agents, Waste disposal  
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Chemotherapeutic agents, Cancer  
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Chemotherapy, Burns  
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Chlorohydrocarbons, Toxicity  
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Citizen participation, Local government  
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Citizen participation, Rehabilitation  
NTIS/PS-75/754/2GSB

Citizen participation, Urban development  
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Citizen participation, Urban planning  
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Civil aviation, Demands needs  
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Civil defense, Warfare agents  
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Civil disturbances, Control  
NTIS/PS-75/730/2GSB

Civil engineering, Dredge spoil  
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Civil insurgency  
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Civilian personnel, Career development  
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Closed circuit television, Cable TV  
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Closed loop control systems, Feedback con  
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Closed loop systems, Feedback control  
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Clothing, Protective clothing  
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NTIS/PS-76/0269/1GSB  
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Cloud seeding, Effects and management  
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Cloud seeding, Fog dispersal  
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Coal, Beneficiation  
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Coal combustion, Fluidized bed combustion  
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Coal, Desulfurization  
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**Coal liquefaction**  
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**Coal liquefaction, Environmental impacts**  
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**Coal mines, Mine fires**  
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**Coal mines, Mine safety**  
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**Coal mines, Mine ventilation**  
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**Coal mines, Occupational health • safety**  
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**Coal mines, Solid waste disposal**  
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**Coal mining, Strip mining**  
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**Coal preparation**  
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**Coastal zone management, Water pollution**  
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**Coatings, Solar cells • collectors**  
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**Cobalt alloys, Permanent magnets**  
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**Cobalt alloys, Superalloys**  
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**Coding, Shift registers**  
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**Coke**  
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**Cold injuries**  
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**Cold weather construction**  
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**Cold weather, Stress**  
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**Coliform bacteria, Water pollution**  
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**Collective bargaining**  
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**Collision avoidance, Aircraft**  
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**Color vision**  
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**Combustion, Plastics**  
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**Combustion products, Air pollution detect**  
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**Combustion products, Plastics**  
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**Communication and radio systems, SSB**  
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**Communication systems, Underground mines**  
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**Communication systems, Walsh functions**  
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**Communications management, Radiofrequency**  
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**Communications networks**  
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**Communications networks, Network flows**  
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**Communities, Population projections**  
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**Composite materials, Laminates**  
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**Composite materials, Boron reinforced**  
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**Composite materials, Carbon • graphite**  
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**Composite materials, Carbon • graphite fl**  
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**Composite materials, Plastic laminates**  
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**Composite materials, Reinforced plastics**  
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**Computer aided diagnosis**  
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**Computer program reliability**  
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**Computer programming, Automatic**  
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**Computer programming, Computations**  
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**Computer programming language, Design**  
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**Computer programming, Logic design**  
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NTIS/PS-75/864/9GSB

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- NTIS/PS-75/244/4GSB**  
Use of Ultrasonics in Manufacturing  
Procedures (89) Dec 74
- NTIS/PS-75/246/9GSB**  
Beam Lead Microelectronics (36) Jan  
75
- NTIS/PS-75/247/7GSB**  
Integrated Circuit Reliability (173) Jan  
75
- NTIS/PS-75/248/5GSB**  
Acoustic Surface Waves. Vol. 1. 1964-  
1972 (75) Jan 75
- NTIS/PS-75/249/3GSB**  
Acoustic Surface Waves. Vol. 2. 1973-  
1974 (137) Jan 75
- NTIS/PS-75/250/1GSB**  
Microwave Communication (163) Jan  
75.
- NTIS/PS-75/255/0GSB**  
Foundations in Marine Environments  
(64) Dec 74
- NTIS/PS-75/270/9GSB**  
Nondestructive Ultrasonic Testing and  
Inspection. Vol. 1. 1964-1971 (188)  
Jan 75
- NTIS/PS-75/271/7GSB**  
Nondestructive Ultrasonic Testing and  
Inspection. Vol. 2. 1972-1974 (165)  
Jan 75
- NTIS/PS-75/282/4GSB**  
Structural Foundations in Soils, Ice,  
Snow, and Permafrost. Vol. 1. 1964-  
1971 (135) Jan 75 Excludes subway  
and seabed construction
- NTIS/PS-75/283/2GSB**  
Structural Foundations in Soils, Ice,  
Snow, and Permafrost. Vol. 2. 1972-  
1974 (57) Jan 75 Excludes subway  
and seabed construction
- NTIS/PS-75/284/0GSB**  
Shipborne Containers and Containeriza-  
tion (100) Jan 75
- NTIS/PS-75/285/7GSB**  
Hazardous Material Waste Disposal (92)  
Dec 74 Excludes radioactive wastes
- NTIS/PS-75/286/5GSB**  
Hazardous Materials Transportation  
(126) Dec 74 Excludes radioactive  
wastes
- NTIS/PS-75/287/3GSB**  
Dual Mode Transportation (77) Feb 75
- NTIS/PS-75/289/9GSB**  
Chemical Analysis of Steels (110) Feb  
75
- NTIS/PS-75/301/2GSB**  
Central City Redevelopment (54) Feb 75
- NTIS/PS-75/303/8GSB**  
Antenna Arrays. Vol 1. 1964-1971 (219)  
Feb 75 Excludes phased arrays
- NTIS/PS-75/307/9GSB**  
Malaria. Vol 1. 1964-1970 (174) Feb 75
- NTIS/PS-75/324/4GSB**  
Microwave Oscillators. Vol 1. 1964-1974  
(118) Jan 75
- NTIS/PS-75/330/1GSB**  
Electrodeposition. Vol 1. 1964-1971 (97)  
Jan 75
- NTIS/PS-75/332/7GSB**  
Surface Effect Vehicles/Ships in Marine  
Environments (108) Jan 75
- NTIS/PS-75/333/5GSB**  
Surface Effect Vehicles and Surface Ef-  
fect: General Studies. Vol. 1. 1964-  
1971 (134) Jan 75 Does not include  
marine environments
- NTIS/PS-75/334/3GSB**  
Surface Effect Vehicles and Surface Ef-  
fect: General Studies. Vol. 2. 1972-  
1974 (67) Jan 75 Does not include  
marine environments
- NTIS/PS-75/337/6GSB**  
Phased Arrays. Vol 1. 1964-1971 (141)  
Feb 75
- NTIS/PS-75/340/0GSB**  
Dental Materials and Equipment (143)  
Feb 75
- NTIS/PS-75/341/8GSB**  
Ambulatory Health Care (74) Feb 75
- NTIS/PS-75/342/6GSB**  
Fuel Consumption. Part 2. Transporta-  
tion (93) Feb 75
- NTIS/PS-75/343/4GSB**  
Fuel Consumption. Part 1. Industrial,  
Residential, and General Studies (75)  
Feb 75
- NTIS/PS-75/344/2GSB**  
Schistosoma and Schistosomiasis (130)  
Feb 75
- NTIS/PS-75/348/3GSB**  
Wind Power (85) Jan 75

**NTIS/PS-75/355/8GSB**  
Computer Software Maintenance (45) Apr 75

**NTIS/PS-75/356/6GSB**  
GRAS(Generally Recognized as Safe) Food Ingredients (253) April 75

**NTIS/PS-75/359/0GSB**  
Polywater (34) Apr 75

**NTIS/PS-75/361/6GSB**  
Medical Entomology. Vol.1.1964-1969 (157) 1964-1969

**NTIS/PS-75/362/4GSB**  
Oil Shale (137) Apr 75

**NTIS/PS-75/363/2GSB**  
Electric Power Consumption (89) Apr 75

**NTIS/PS-75/364/0GSB**  
Closed Loop Control Systems (156) April 75

**NTIS/PS-75/365/7GSB**  
Soil Compaction/Consolidation (181) Apr 75

**NTIS/PS-75/366/5GSB**  
Electromagnetic Shielding. Vol 1. 1964-1971 (162) Apr 75

**NTIS/PS-75/367/3GSB**  
Electromagnetic Shielding. Vol 2. 1972-1975 (78) Apr 75

**NTIS/PS-75/368/1GSB**  
Amorphous Semiconductors (224) Oct 73 -Dec 74

**NTIS/PS-75/369/9GSB**  
Hemorrhagic Shock (70) 1964 - Apr 75

**NTIS/PS-75/372/3GSB**  
Thermionics (119) Apr 75

**NTIS/PS-75/373/1GSB**  
Public Opinion and Sociology of Water Resource Development (82) 1970-Apr 75

**NTIS/PS-75/374/9GSB**  
Planning and Impact of Water Resource Programs (210) 1972-Apr 75

**NTIS/PS-75/375/6GSB**  
Biochemical Oxygen Demand (262) Mar 75

**NTIS/PS-75/376/4GSB**  
Air Traffic Congestion and Capacity (106) Apr 75

**NTIS/PS-75/377/2GSB**  
Geothermal Energy (148) Apr 75

**NTIS/PS-75/378/0GSB**  
Walsh Functions (55) Apr 75

**NTIS/PS-75/379/8GSB**  
Hydrogen Energy (86) Apr 75

**NTIS/PS-75/380/6GSB**  
Food Packaging and Storage (187) 1970-Apr 75

**NTIS/PS-75/381/4GSB**  
Desulfurization of Coal and Petroleum (107) Apr 75 Excludes flue gas and other post-combustion sulfur control

**NTIS/PS-75/382/2GSB**  
Metal Processing Wastes. Part 2. Water Pollution (112) Apr 75

**NTIS/PS-75/383/0GSB**  
Metal Processing Wastes. Part 1. Air Pollution (167) Apr 75

**NTIS/PS-75/384/8GSB**  
Biological Effects of Microwaves (112) Mar 75

**NTIS/PS-75/385/5GSB**  
Coal Gasification and Liquefaction. Vol 1. 1964-1973 (161) May 75

**NTIS/PS-75/386/3GSB**  
Coal Gasification and Liquefaction. Vol 2. 1974-1975 (90) May 75

**NTIS/PS-75/387/1GSB**  
Toxicity of Gaseous Halocarbons (70) May 1975

**NTIS/PS-75/388/9GSB**  
Septic Tank Design and Use (73) Apr 75 Includes reports dealing with non-septic tank, household sewage treatment systems

**NTIS/PS-75/389/7GSB**  
Architectural Construction Materials. Part 1. Non Concrete (189) May 75 Excludes concretes, bridges, pavements, airfields, cold weather construction, composites, and earthquake resistant construction

**NTIS/PS-75/390/5GSB**  
Architectural Construction Materials. Part 2. Concrete and Cement (127) May 75 Excludes non-concretes, bridges, pavements, airfields, cold weather construction, composites, and earthquake resistant construction

**NTIS/PS-75/391/3GSB**  
Construction Equipment (174) May 75 Excludes translations

**NTIS/PS-75/392/1GSB**  
Underwater Construction and Mining (127) May 75

**NTIS/PS-75/393/9GSB**  
Arms Control (234) Apr 75

**NTIS/PS-75/394/7GSB**  
Cold Weather Construction (99) May 75 Excludes permafrost construction

**NTIS/PS-75/395/4GSB**  
Cloud Seeding (231) Apr 75 Includes effects on water resources

**NTIS/PS-75/396/2GSB**  
Bionics (53) May 75

**NTIS/PS-75/397/0GSB**  
Artificial Intelligence (80) May 75

**NTIS/PS-75/398/8GSB**  
Information and Communication Theory (124) May 75

**NTIS/PS-75/399/6GSB**  
Radiation Damage of Laser Materials (143) Apr 75

**NTIS/PS-75/400/2GSB**  
Telecommunications--Economic Studies (66) May 75

**NTIS/PS-75/401/0GSB**  
Effects of Land Use and Urbanization on Water Resources (94) 1971-May 75

**NTIS/PS-75/402/8GSB**  
Light Detection and Ranging(LIDAR) (191) May 75

**NTIS/PS-75/403/6GSB**  
Urban Automated Traffic Control (114) May 75

**NTIS/PS-75/404/4GSB**  
Cable Television (75) Apr 75

**NTIS/PS-75/405/1GSB**  
Replacement Theory (85) Apr 75

**NTIS/PS-75/406/9GSB**  
Linear Programming in Management (38) May 75

**NTIS/PS-75/407/7GSB**  
Economic Models. Vol 1. 1964-Apr 1974 (161) May 75

**NTIS/PS-75/408/5GSB**  
Economic Models. Vol 2. Apr 1974-Apr 1975 (140) May 75

**NTIS/PS-75/409/3GSB**  
Consumer Products and Consumer Affairs (41) May 75

**NTIS/PS-75/410/1GSB**  
Air Pollution Emission Factors (69) May 75

**NTIS/PS-75/411/9GSB**  
Machine Translation (127) May 75 Covers several foreign languages

**NTIS/PS-75/412/7GSB**  
Light Communication Systems (151) Apr 75

**NTIS/PS-75/413/5GSB**  
Ocean Wave Sensors (129) May 75

**NTIS/PS-75/414/3GSB**  
Boron Reinforced Composites (199) 1972-May 75

**NTIS/PS-75/415/0GSB**  
Light Emitting Diodes (159) Apr 75

**NTIS/PS-75/416/8GSB**  
Computer Software Standards (53) May 75

**NTIS/PS-75/417/6GSB**  
Microwave Landing Systems (80) Apr 75

**NTIS/PS-75/418/4GSB**  
Artificial Kidneys (182) 1968-Apr 75

**NTIS/PS-75/419/2GSB**  
Health Care Delivery (137) May 75

**NTIS/PS-75/420/0GSB**  
Fiber Optics (147) 1969-May 75

**NTIS/PS-75/421/8GSB**  
BART and METRO--Rapid Transit for the San Francisco and Washington D.C. Areas (168) May 75

**NTIS/PS-75/422/6GSB**  
Metal Matrix Composites (180) 1971-May 75

**NTIS/PS-75/423/4GSB**  
Mechanical Hearts. Vol. 1. 1969-1973. (173) May 75

**NTIS/PS-75/424/2GSB**  
Mechanical Hearts. Vol. 2. 1974-1975. (77) May 75

**NTIS/PS-75/425/9GSB**  
Crimes and Crime Prevention (134) May 75

**NTIS/PS-75/426/7GSB**  
Salt Marshes (92) May 75

**NTIS/PS-75/427/5GSB**  
Blindness (113) May 75

**NTIS/PS-75/428/3GSB**  
Structural Mechanics Software (185) May 75

**NTIS/PS-75/429/1GSB**  
Radioactivity from Nuclear Power Plants (227) May 75

**NTIS/PS-75/430/9GSB**  
Sewage Effects in Marine and Estuarine Environments (136) May 75

**NTIS/PS-75/431/7GSB**  
Applications of Holography (230) Jun 75 Excludes flow visualization and acoustic holography

- NTIS/PS-75/432/5GSB**  
Acoustic Holography (92) Jun 75
- NTIS/PS-75/433/3GSB**  
Holographic Theory and Recording Techniques (150) Jun 75 Excludes acoustic holography and applications
- NTIS/PS-75/434/1GSB**  
Microforms. Vol 1. 1964-1973 (187) Jun 75
- NTIS/PS-75/435/8GSB**  
Microforms. Vol 2. 1973-Apr 75 (74) Jun 75
- NTIS/PS-75/436/6GSB**  
Inertial Navigation and Guidance (208) Apr 74
- NTIS/PS-75/437/4GSB**  
Computer Information Security and Protection (167) May 75
- NTIS/PS-75/438/2GSB**  
Artificial Limbs (115) 1968-May 75
- NTIS/PS-75/439/0GSB**  
PERT (123) May 75
- NTIS/PS-75/440/8GSB**  
Cyanoacrylate Tissue Adhesives (48) 1964-May 75
- NTIS/PS-75/441/6GSB**  
Water Quality Modeling--Hydrological and Limnological Systems (213) Jun 75
- NTIS/PS-75/442/4GSB**  
Marine Fouling (140) 1969-Jun 75
- NTIS/PS-75/443/2GSB**  
Police (200) Jun 75
- NTIS/PS-75/444/0GSB**  
Highway Traffic Noise (101) May 75
- NTIS/PS-75/445/7GSB**  
Nickel Cadmium Batteries (163) May 75
- NTIS/PS-75/446/5GSB**  
Remote Sensing of the Ocean. Part 1. Physical, Chemical, and Geological Properties (147) 1970-Apr 75
- NTIS/PS-75/447/3GSB**  
Remote Sensing of the Ocean. Part 2. Dynamics (87) 1970-Apr 75
- NTIS/PS-75/448/1GSB**  
Magnetohydrodynamic Generators in Power Generation (105) May 75
- NTIS/PS-75/449/9GSB**  
Single Sideband Communications (86) Apr 75
- NTIS/PS-75/450/7GSB**  
Solid Waste Reclamation and Recycling. Part 1. Packaging and Containers (44) May 75 Excludes studies only dealing with specific materials
- NTIS/PS-75/451/5GSB**  
Solid Waste Reclamation and Recycling. Part 2. Plastics. (60) May 75
- NTIS/PS-75/452/3GSB**  
Solid Waste Reclamation and Recycling. Part 3. Metals (136) May 75 Includes metal recovery from aqueous industrial waste streams
- NTIS/PS-75/453/1GSB**  
Solid Waste Reclamation and Recycling. Part 4. Glass (39) May 75
- NTIS/PS-75/454/9GSB**  
Solid Waste Recycling and Reclamation. Part 5. Paper (59) May 75
- NTIS/PS-75/455/6GSB**  
Sulfur Dioxide Control. Vol 2. 1973-May 1975 (94) May 75 Excludes fuel desulfurization
- NTIS/PS-75/456/4GSB**  
Sulfur Dioxide Control. Vol 1. 1964-1972 (159) May 75
- NTIS/PS-75/457/2GSB**  
Ferrite Microwave Electronics. Vol 1. 1964-1969 (221) Apr 75
- NTIS/PS-75/458/0GSB**  
Ferrite Microwave Electronics. Vol 2. 1970-Apr 75 (105) Apr 75
- NTIS/PS-75/459/8GSB**  
Tropospheric Scatter Communications (98) Apr 75
- NTIS/PS-75/460/6GSB**  
Sewage and Organic Waste Irrigation (111) May 75
- NTIS/PS-75/461/4GSB**  
Activated Carbon (221) May 75 Includes activated carbon treatment of sewage
- NTIS/PS-75/462/2GSB**  
Ocean Waste Disposal (164) May 75 Excludes thermal effluents
- NTIS/PS-75/463/0GSB**  
Natural Gas. Part 1. Supply, Demand, and Utilization (97) May 75
- NTIS/PS-75/464/8GSB**  
Natural Gas. Part 2. Marine Transportation (44) May 75
- NTIS/PS-75/465/5GSB**  
Stress Crack Phenomena (186) Jun 75 Excludes rock mechanics and mathematical analysis
- NTIS/PS-75/466/3GSB**  
Mathematical Analysis of Stress Cracks. Vol 1. 1964-1973 (207) June 75
- NTIS/PS-75/467/1GSB**  
Mathematical Analysis of Stress Cracks. Vol 2. 1974-May 75 (109) June 75
- NTIS/PS-75/468/9GSB**  
Sport Fishing (150) Jun 75
- NTIS/PS-75/469/7GSB**  
Erosion Control (138) May 75 Excludes soil stabilization
- NTIS/PS-75/470/5GSB**  
Soil Stabilization (167) May 75 Excludes erosion control
- NTIS/PS-75/471/3GSB**  
Lithium Batteries (198) May 75
- NTIS/PS-75/472/1GSB**  
Lead Batteries (62) May 75 Includes lead acid batteries
- NTIS/PS-75/473/9GSB**  
Carbon Dioxide Lasers. Vol 1. 1970-1974 (266) Jun 75
- NTIS/PS-75/474/7GSB**  
Carbon Dioxide Lasers. Vol 2. 1975 (51) Jun 75
- NTIS/PS-75/475/4GSB**  
Concrete Polymer Composites (90) Jun 75
- NTIS/PS-75/476/2GSB**  
Atmospheric Modeling of Air Pollution (140) May 75 Excludes stratospheric studies
- NTIS/PS-75/477/0GSB**  
Chemical Vapor Deposition (211) May 75
- NTIS/PS-75/478/8GSB**  
Fuel Cells. Vol 1. 1969-1973 (234) Jun 75
- NTIS/PS-75/479/6GSB**  
Fuel Cells. Vol 2. 1974-Jun 75 (73) 1974-Jun 75
- NTIS/PS-75/480/4GSB**  
Machine Automation and Numerical Control. Vol 1. 1964-1970 (226) Jun 75
- NTIS/PS-75/481/2GSB**  
Machine Automation and Numerical Control. Vol 2. 1971-1973 (166) Jun 75
- NTIS/PS-75/482/0GSB**  
Machine Automation and Numerical Control. Vol 3. 1974-Jun 75 (68) Jun 75
- NTIS/PS-75/483/8GSB**  
Forest Management (85) Jun 75
- NTIS/PS-75/484/6GSB**  
Food Processing Waste Treatment (167) Jun 1975
- NTIS/PS-75/485/3GSB**  
The Use of Computers in Solving Mathematical Problems (228) Jun 75
- NTIS/PS-75/486/1GSB**  
Computer Software Reliability (98) Jun 75
- NTIS/PS-75/487/9GSB**  
Biocompatible Materials. Vol. 1. 1964-1973 (147) 1964-1973
- NTIS/PS-75/488/7GSB**  
Biocompatible Materials. Vol. 2. 1974-June 1975 (96) 1974-Jun 75
- NTIS/PS-75/489/5GSB**  
Psychotropic Drug Research (114) 1964-May 1975
- NTIS/PS-75/490/3GSB**  
Electric Automobiles (80) Jun 75
- NTIS/PS-75/491/1GSB**  
Aircraft Air Pollution (193) Jun 75 Includes studies of exhaust from supersonic aircraft and from around airports
- NTIS/PS-75/492/9GSB**  
Productivity (142) Jul 75
- NTIS/PS-75/493/7GSB**  
Synthetic Foods (39) Jun 75 Excludes fish protein concentrates
- NTIS/PS-75/494/5GSB**  
Technology Assessment (188) Jun 75
- NTIS/PS-75/495/2GSB**  
Speech Recognition by Computer (168) Jun 75
- NTIS/PS-75/496/0GSB**  
Finite Elements in Structural Analysis (70) Jun 75
- NTIS/PS-75/497/8GSB**  
Drag Reducing Fluids (158) 1969-Jun 75
- NTIS/PS-75/498/6GSB**  
Mathematical Models of Manpower and Personnel Management. Vol 1. 1964-1973 (172) Jun 75
- NTIS/PS-75/499/4GSB**  
Mathematical Models of Manpower and Personnel Management. Vol 2. 1973-May 75 (97) Jun 75

- NTIS/PS-75/500/9GSB**  
Decision Making in Management (76) Jun 75
- NTIS/PS-75/501/7GSB**  
Structured Programming (51) Jun 75
- NTIS/PS-75/502/5GSB**  
Preventive Medicine (107) Jun 75
- NTIS/PS-75/503/3GSB**  
Control Theory. Vol 1. 1970-1973 (202) Jun 75
- NTIS/PS-75/504/1GSB**  
Control Theory. Vol 2. 1974-Jun 75 (113) Jun 75
- NTIS/PS-75/505/8GSB**  
Drinking Drivers (91) Jun 75
- NTIS/PS-75/506/6GSB**  
Alcoholism (95) Jun-75 Excludes drinking drivers
- NTIS/PS-75/507/4GSB**  
Computer Technology in Medicine (192) 1972-Jun 7
- NTIS/PS-75/508/2GSB**  
Cryobiology (106) Jun-75
- NTIS/PS-75/509/0GSB**  
Antineoplastic agents (195) 1970-Jun 75
- NTIS/PS-75/510/8GSB**  
Supertankers and Superports (81) Jun 75 Includes environmental considerations
- NTIS/PS-75/511/6GSB**  
Dental Protheses (108) Jun-75
- NTIS/PS-75/512/4GSB**  
Dental Equipment and Materials (105) Jun-75 Excludes Dental Protheses
- NTIS/PS-75/513/2GSB**  
On-line Retrieval Systems (146) Jul 75
- NTIS/PS-75/514/0GSB**  
Pattern Recognition (184) Jun 75
- NTIS/PS-75/515/7GSB**  
Sickle Cell Anemia (38) Jun 75
- NTIS/PS-75/516/5GSB**  
Telephone Systems (202) Jun 75
- NTIS/PS-75/517/3GSB**  
Precipitation Washout (73) Jun 75 Includes radioactive, pollution, and aerosol washout studies
- NTIS/PS-75/518/1GSB**  
Airfield Pavements. Vol 1. 1964-1970 (159) Jun 75
- NTIS/PS-75/519/9GSB**  
Airfield Pavements. Vol 2. 1971-1972 (123) Jun 75
- NTIS/PS-75/520/7GSB**  
Airfield Pavements. Vol 3. 1973-1975 (111) Jun 75
- NTIS/PS-75/521/5GSB**  
Air Traffic Control Simulation Models (185) Jun 75
- NTIS/PS-75/522/3GSB**  
Eutrophication. Vol 1. 1964-1973 (194) Jun 75
- NTIS/PS-75/523/1GSB**  
Eutrophication. Vol 2. 1974-June 1975 (86) Jun 75
- NTIS/PS-75/524/9GSB**  
Computer Networks (245) Jun 75
- NTIS/PS-75/525/6GSB**  
The Gulf Stream (110) Jun 75
- NTIS/PS-75/526/4GSB**  
Electroretinography (87) Jun 75
- NTIS/PS-75/527/2GSB**  
Chemical Analysis of Aerosols and Airborne Particulates (102) Jun 75 Excludes sampling and particle size analysis
- NTIS/PS-75/528/0GSB**  
Computer Storage Management (129) Jun 75
- NTIS/PS-75/529/8GSB**  
Air Quality Monitoring (181) Jun 75
- NTIS/PS-75/530/6GSB**  
Airport Noise (138) Jun 75
- NTIS/PS-75/531/4GSB**  
Animal Waste Pollution and Its Control (117) Jun 75
- NTIS/PS-75/532/2GSB**  
Health Services in Rural Areas (87) Jun 75
- NTIS/PS-75/533/0GSB**  
Motor Vehicle Tires: Skid and Wear Resistance; Nondestructive Tests; Safety (139) Jun 75
- NTIS/PS-75/534/8GSB**  
Noise Pollution Economics (27) Jun 75
- NTIS/PS-75/535/5GSB**  
Air Pollution Economics (240) Jun 75
- NTIS/PS-75/536/3GSB**  
Solid Waste Disposal Economics (101) Jun 75
- NTIS/PS-75/537/1GSB**  
Water Pollution Economics (280) Jun 75 Excludes sewage treatment
- NTIS/PS-75/538/9GSB**  
Titanium and Titanium Alloy Creep (109) Jul 75
- NTIS/PS-75/539/7GSB**  
Dye Lasers (173) Jun 75
- NTIS/PS-75/540/5GSB**  
Offshore Drilling (116) Jun 75 Includes environmental impacts
- NTIS/PS-75/541/3GSB**  
Waste Processing and Pollution in the Chemical and Petrochemical Industries (212) Jun 75
- NTIS/PS-75/542/1GSB**  
Oil Spill Removal (202) Jun 74
- NTIS/PS-75/543/9GSB**  
Hepatitis and Blood Transfusions (58) Jul 75
- NTIS/PS-75/544/7GSB**  
Urban Noise Pollution (79) Jul 75
- NTIS/PS-75/545/4GSB**  
Urban Air Pollution (172) Jul 75 Includes only studies deemed of general interest to urban planners
- NTIS/PS-75/546/2GSB**  
Land Mobile Communications (51) Jun 75
- NTIS/PS-75/547/0GSB**  
Portable Radio Equipment (65) Jun 75
- NTIS/PS-75/548/8GSB**  
The Elderly (174) Jun 75
- NTIS/PS-75/549/6GSB**  
Cooling Towers (123) Jun 75
- NTIS/PS-75/550/4GSB**  
Tunnel Construction (180) Jul 75
- NTIS/PS-75/551/2GSB**  
Radiation Effects on Cells and Chromosomes (109) Jun 75
- NTIS/PS-75/552/0GSB**  
Flood Control (258) 1972-Jun 75
- NTIS/PS-75/553/8GSB**  
Breakwaters (186) Jun 75
- NTIS/PS-75/554/6GSB**  
Polycarbonanes (72) Jun 75
- NTIS/PS-75/555/3GSB**  
Corrosion in Boilers (77) Jul 75
- NTIS/PS-75/556/1GSB**  
Computer Aided Instruction. Vol 2. 1974-May 1975 (75) Jul 75
- NTIS/PS-75/557/9GSB**  
Computer Aided Instruction. Vol 1. 1970-1974 (217) Jul 75
- NTIS/PS-75/558/7GSB**  
Water Rights and Water Law. Vol 2. 1974-1975 (99) July 75
- NTIS/PS-75/559/5GSB**  
Water Rights and Water Law. Vol 1. 1964-1973 (122) July 75
- NTIS/PS-75/560/3GSB**  
Heat Resistant Plastics. Part 1. Nitrogen Containing Polymers (157) Jul 75
- NTIS/PS-75/561/1GSB**  
Heat Resistant Plastics. Part 2. Silicone, Borane, Halocarbon, and Other Polymers (170) Jul 75
- NTIS/PS-75/562/9GSB**  
Mine Safety. Part 1. Fires and Explosions (81) Jun 75
- NTIS/PS-75/563/7GSB**  
Mine Safety. Part 2. Communication and Position Finding Systems (53) June 1975
- NTIS/PS-75/564/5GSB**  
Mine Safety. Part 3. Occupational Health--General Studies (110) Jun 75
- NTIS/PS-75/565/2GSB**  
Mine Safety. Part 4. Occupational Health--Radioactivity (49) Jun 75
- NTIS/PS-75/566/0GSB**  
Mine Safety. Part 5. General Studies (121) Jun 75 Excludes fire safety, communication systems, and health studies
- NTIS/PS-75/567/8GSB**  
Wages, Salaries, Earnings. Vol 2. 1974-May 1975 (64) Jul 75
- NTIS/PS-75/568/6GSB**  
Wages, Salaries, and Earnings. Vol 1. 1964-1973 (168) Jul 75
- NTIS/PS-75/569/4GSB**  
Polycarbonates (100) Jul 75
- NTIS/PS-75/570/2GSB**  
Quality of Life in the Urban Environment (166) 1970-Jun 75
- NTIS/PS-75/571/0GSB**  
Industrialized Housing (183) Jul 75
- NTIS/PS-75/572/8GSB**  
Minicomputers (258) Jul 75
- NTIS/PS-75/573/6GSB**  
Gas Dynamic Lasers (112) Jul 75
- NTIS/PS-75/574/4GSB**  
Waste Treatment by Reverse Osmosis and Membrane Processes (117) Jul 75 Excludes desalination of natural waters

- NTIS/PS-75/575/1GSB**  
Transportation for the Elderly or Physically Handicapped (41) Jul 75
- NTIS/PS-75/576/9GSB**  
Food Processing. Vol 2. Jul 1974-Jun 1975 (95) Jul 75
- NTIS/PS-75/577/7GSB**  
Food Processing. Vol 1. 1964-Jul 1975 (166) Jul 75
- NTIS/PS-75/578/5GSB**  
Immunologic Diseases. Vol 2. 1975 (62) Jul 75
- NTIS/PS-75/579/3GSB**  
Immunologic Diseases. Vol 1. 1964-1974 (237) Jul 75
- NTIS/PS-75/580/1GSB**  
Telecommunications in Medicine (36) Jul 75
- NTIS/PS-75/581/9GSB**  
Aquatic Weed Control (93) Jul 75
- NTIS/PS-75/582/7GSB**  
Wastewater Treatment Using Flocculation, Coagulation, and Flotation (140) Jul 75
- NTIS/PS-75/583/5GSB**  
Sewage Filtration (113) Jul 75
- NTIS/PS-75/584/3GSB**  
X Ray Fluorescence Analysis (223) Jul 75
- NTIS/PS-75/585/0GSB**  
Phosphorus Removal in Sewage Treatment Systems (131) Jul 75
- NTIS/PS-75/586/8GSB**  
Nitrogen Removal in Sewage Treatment Systems (113) Jul 75
- NTIS/PS-75/587/6GSB**  
Electrostatic Precipitators for Air Pollution Control (88) Jul 75
- NTIS/PS-75/588/4GSB**  
Programming Language Design (127) Jul 75
- NTIS/PS-75/589/2GSB**  
Activated Sludge Treatment (256) Jul 75  
Excludes sludge disposal
- NTIS/PS-75/590/0GSB**  
Josephson Junctions (111) Jul 75
- NTIS/PS-75/591/8GSB**  
Liquid Crystals (202) Jul 75
- NTIS/PS-75/592/6GSB**  
Nerve Regeneration (35) Jul 75
- NTIS/PS-75/593/4GSB**  
Coal Beneficiation (71) Jul 75
- NTIS/PS-75/594/2GSB**  
Automatic Programming (40) Jul 75
- NTIS/PS-75/595/9GSB**  
Oil Pollution Detection and Sensing (176) Jul 75
- NTIS/PS-75/596/7GSB**  
Urban Sewage Treatment Planning (175) 1970-Jul 75
- NTIS/PS-75/597/5GSB**  
Carborane Chemistry (194) Jul 75 Excludes polycarboranes
- NTIS/PS-75/598/3GSB**  
Management Games (180) Aug 75
- NTIS/PS-75/599/1GSB**  
Fertilizers (198) Jul 75 Excludes water pollution studies
- NTIS/PS-75/600/7GSB**  
High Temperature Lubricants and Oils (109) Jul 75
- NTIS/PS-75/601/5GSB**  
Management information Systems (164) Jul 75 Excludes urban information systems
- NTIS/PS-75/602/3GSB**  
Urban Storm Sewers and Water Runoff. Vol 2. 1974-Jun 1975. (105) Jul 75
- NTIS/PS-75/603/1GSB**  
Urban Storm Sewers and Water Runoff. Vol 1. 1964-1973 (177) Jul 75
- NTIS/PS-75/604/9GSB**  
Insurance. Part 1. General, Life, and Unemployment Insurance (83) Jul 75  
Excludes health and hospitalization insurance
- NTIS/PS-75/605/6GSB**  
Insurance. Part 2. Automobile and Other Transportation Insurance (55) Jul 75
- NTIS/PS-75/606/4GSB**  
Insurance. Part 3. Property, Housing, and Disaster Insurance (70) Jul 75
- NTIS/PS-75/607/2GSB**  
Nitrogen Oxide Air Pollution. Part 1. Control Technology (191) Jul 75
- NTIS/PS-75/608/0GSB**  
Nitrogen Oxide Air Pollution. Part 2. Detection and Analysis (137) Jul 75
- NTIS/PS-75/609/8GSB**  
Nitrogen Oxide Air Pollution. Part 3. Atmospheric Chemistry (81) Jul 75
- NTIS/PS-75/610/6GSB**  
Nitrogen Oxide Air Pollution. Part 4. Biological Effects (49) Jul 75
- NTIS/PS-75/611/4GSB**  
Nitrogen Oxide Air Pollution. Part 5. Emissions Studies (225) Jul 75
- NTIS/PS-75/612/2GSB**  
Carbon and Graphite. Part 1. Carbon and Graphite Fibers and Fiber Composites Vol 1 (220) 1964-1973
- NTIS/PS-75/613/0GSB**  
Carbon and Graphite. Part 1. Carbon and Graphite Fibers and Fiber Composites Vol 2 (142) 1974-Jun 75
- NTIS/PS-75/614/8GSB**  
Carbon and Graphite. Part 2. Carbon and Graphite Composites (174) Jul 75  
Excludes fiber composites
- NTIS/PS-75/615/5GSB**  
Carbon and Graphite. Part 3. Graphite--Physical, Mechanical, and Structural Studies (141) Jul 75
- NTIS/PS-75/616/3GSB**  
Carbon and Graphite. Part 4. Graphite--Chemical Studies (124) Jul 75
- NTIS/PS-75/617/1GSB**  
Carbon and Graphite. Part 5. Carbon Research (83) Jul 75 Includes studies on carbon black, chars, coke, and carbon foams
- NTIS/PS-75/618/9GSB**  
Carbon and Graphite. Part 6. Glassy Carbon (43) Jul 75
- NTIS/PS-75/619/7GSB**  
Motor Vehicle Operator Behavior (119) Aug 75 Excludes studies on the effects of stress, alcohol, and vision characteristics
- NTIS/PS-75/620/5GSB**  
Driver Performance under Abnormal Conditions. Physical Impairment, Drugs, Gases (43) Aug 75 Excludes alcohol effects
- NTIS/PS-75/621/3GSB**  
All Volunteer Military Services (154) Aug 75
- NTIS/PS-75/622/1GSB**  
Ion Selective Electrodes (66) Aug 75
- NTIS/PS-75/623/9GSB**  
Urban Information Systems. Part 1. General (69) Jul 75
- NTIS/PS-75/624/7GSB**  
Urban Information Systems. Part 2. USAC Reports (210) Jul 75
- NTIS/PS-75/625/4GSB**  
Metal Vapor Lasers (51) Aug 75
- NTIS/PS-75/626/2GSB**  
Juvenile Delinquency (195) Aug 75
- NTIS/PS-75/627/0GSB**  
Electrochemical Methods of Chemical Analysis (197) Aug 75 Excludes ion selective electrodes
- NTIS/PS-75/628/8GSB**  
Silicon Solar Cells (147) Jul 75
- NTIS/PS-75/629/6GSB**  
Anthropometry (203) Aug 75
- NTIS/PS-75/630/4GSB**  
Energy Research Planning (92) Aug 75
- NTIS/PS-75/631/2GSB**  
Inventory Control (220) 1970-Aug 75
- NTIS/PS-75/632/0GSB**  
Earthquake Engineering: Buildings, Bridges, Dams and Related Structures. Vol 1. (172) 1964-1973
- NTIS/PS-75/633/8GSB**  
Earthquake Engineering: Buildings, Bridges, Dams, and Related Structures. Vol.2. (127) 1974-Jul 75
- NTIS/PS-75/634/6GSB**  
Foamed Plastics. Part 1. Polyurethane Foams (161) Jul 75
- NTIS/PS-75/635/3GSB**  
Foamed Plastics. Part 2. Styrene, Silicone, Epoxy, and Other Polymeric Foams (132) Jul 75
- NTIS/PS-75/636/1GSB**  
Superconducting Magnets (137) Jul 75
- NTIS/PS-75/637/9GSB**  
Effects of Inflation (70) Aug 75
- NTIS/PS-75/638/7GSB**  
Pollution and Its Control in the Paper and Pulp Industry (167) Jul 75
- NTIS/PS-75/639/5GSB**  
Automatic Acquisition of Water Quality Data (140) 1970-Jul 75
- NTIS/PS-75/640/3GSB**  
DDT, DDD, and DDE Pesticides (150) Jul 75
- NTIS/PS-75/641/1GSB**  
Atmospheric Echo Sounding (58) Aug 75
- NTIS/PS-75/642/9GSB**  
Numerical Methods in Fluid Flow Problems Vol. 1 1970-1974 (236) Aug 75

- NTIS/PS-75/643/7GSB**  
Numerical Methods in Fluid Flow Problems Vol. 2 January 1975-August 1975 (96) Aug 75
- NTIS/PS-75/644/5GSB**  
Electrochemical Reactions at Surfaces (159) Aug 75
- NTIS/PS-75/645/2GSB**  
Applications of the Fast Fourier Transform (181) Aug 75
- NTIS/PS-75/646/0GSB**  
Fly Ash (171) Aug 75
- NTIS/PS-75/647/8GSB**  
Night Vision Devices (124) Aug 75
- NTIS/PS-75/648/6GSB**  
Explosives and Narcotics Detection Using Dogs (29) Sep 75
- NTIS/PS-75/649/4GSB**  
Silver Cells (172) Aug 75
- NTIS/PS-75/650/2GSB**  
Youth Programs (142) Sep 75
- NTIS/PS-75/651/0GSB**  
Automobile Impact Tests (186) Aug 1975
- NTIS/PS-75/652/8GSB**  
Building Fires (137) Sep 75
- NTIS/PS-75/653/6GSB**  
The Use of Mass Media by Local and Regional Governments (77) Aug 75
- NTIS/PS-75/654/4GSB**  
Housing (211) 1970-Aug 75
- NTIS/PS-75/655/1GSB**  
Synthetic Fuels From Municipal, Industrial, and Agricultural Wastes (36) Aug 75
- NTIS/PS-75/656/9GSB**  
Land Use in Urban Areas (183) Aug 75
- NTIS/PS-75/657/7GSB**  
Trends in Computer Technology (43) Aug 75
- NTIS/PS-75/658/5GSB**  
Carbon Monoxide Lasers (124) Aug 75
- NTIS/PS-75/659/3GSB**  
Accident Risks in Nuclear Facilities (131) Aug 75
- NTIS/PS-75/660/1GSB**  
Pedestrian Movement and Safety (96) Sep 75
- NTIS/PS-75/661/9GSB**  
Ion Implantation (140) Aug 75
- NTIS/PS-75/662/7GSB**  
Hot Wire Anemometry. Vol 1. 1964-1970 (71) Aug 75
- NTIS/PS-75/663/5GSB**  
Hot Wire Anemometry. Vol 2. 1971-July 1975 (87) Aug 75
- NTIS/PS-75/664/3GSB**  
Hot Film Anemometry (32) Aug 75
- NTIS/PS-75/665/0GSB**  
Dial-A-Ride (59) Aug 75
- NTIS/PS-75/666/8GSB**  
Nondestructive Testing: X-ray Photography and X-ray Radiography (125) Aug 75
- NTIS/PS-75/667/6GSB**  
Standard Reference Materials (141) Aug 75
- NTIS/PS-75/668/4GSB**  
Agricultural Resources Surveys (81) Aug 75
- NTIS/PS-75/669/2GSB**  
Speech Intelligibility (185) Aug 75
- NTIS/PS-75/670/0GSB**  
Atmospheric Effects on Laser Beams (227) Aug 75
- NTIS/PS-75/671/8GSB**  
Collision Avoidance Systems (198) Aug 75
- NTIS/PS-75/672/6GSB**  
Flexible Highway Pavements. Vol 1. 1964-1969 (245) Aug 75 Excludes bridge decks, landing fields and concrete pavements
- NTIS/PS-75/673/4GSB**  
Flexible Highway Pavements. Vol 2. 1970-1974 (299) Aug 75 Excludes bridge decks, landing fields and concrete pavements
- NTIS/PS-75/674/2GSB**  
Flexible Highway Pavements. Vol 3. 1975 (41) Aug 75 Excludes bridge decks, landing fields and concrete pavements
- NTIS/PS-75/675/9GSB**  
Job Analysis Methodology (95) Aug 75
- NTIS/PS-75/676/7GSB**  
Sanitary Landfills (194) Aug 75
- NTIS/PS-75/677/5GSB**  
Concrete(Rigid) Highway Pavements. Vol 1. 1964-1970 (204) Aug 75 Excludes bridge decks, landing fields and flexible pavements
- NTIS/PS-75/678/3GSB**  
Concrete(Rigid) Highway Pavements. Vol 2. 1971-1973 (131) Aug 75 Excludes bridge decks, landing fields and flexible pavements
- NTIS/PS-75/679/1GSB**  
Concrete(Rigid) Highway Pavements. Vol 3. 1974-July 1975 (61) Aug 75 Excludes bridge decks, landing fields and flexible pavements
- NTIS/PS-75/680/9GSB**  
Vocoders (90) Aug 75
- NTIS/PS-75/681/7GSB**  
Cadmium Pollution (143) Aug 75
- NTIS/PS-75/682/5GSB**  
Population Projections for Small Areas (95) Sep 75
- NTIS/PS-75/683/3GSB**  
Disasters (167) Sep 75 Excludes disasters from nuclear warfare
- NTIS/PS-75/684/1GSB**  
Offshore Structures (110) Aug 75
- NTIS/PS-75/685/8GSB**  
Audiovisual Education (132) Sep 75
- NTIS/PS-75/686/6GSB**  
Magnetic Bubble Domains (55) Sep 75
- NTIS/PS-75/687/4GSB**  
Squid Devices (59) Aug 75
- NTIS/PS-75/688/2GSB**  
Lubricating Oil Analysis for Wear Monitoring (53) Sep 75
- NTIS/PS-75/689/0GSB**  
Solar Space Heating and Air Conditioning (123) Sep 75
- NTIS/PS-75/690/8GSB**  
Solar Energy Collectors and Concentrators (117) Aug 75
- NTIS/PS-75/691/6GSB**  
Solar Electric Power Generation (144) Aug 75
- NTIS/PS-75/692/4GSB**  
Optical Coatings for Solar Cells and Solar Collectors (89) Aug 75
- NTIS/PS-75/693/2GSB**  
Cadmium Sulfide Solar Cells (181) Sep 75
- NTIS/PS-75/694/0GSB**  
Network Flows (138) Sep 75 Includes Applied Studies
- NTIS/PS-75/695/7GSB**  
Crime Prevention and Enforcement Through Community Relations (88) Sep 75
- NTIS/PS-75/696/5GSB**  
Participative Management (102) Sep 75
- NTIS/PS-75/697/3GSB**  
Powder Metallurgy of Aluminum (124) Sep 75
- NTIS/PS-75/698/1GSB**  
Water Quality Management in Estuaries and Coastal Zones (214) Sep 75 Excludes specific biological and oceanographic studies
- NTIS/PS-75/699/9GSB**  
Guerrilla Warfare (147) Sep 75
- NTIS/PS-75/700/5GSB**  
Civil Insurgency (97) Sep 75
- NTIS/PS-75/701/3GSB**  
Insurgency and Counterinsurgency in Military Affairs (142) Sep 75
- NTIS/PS-75/702/1GSB**  
Integration of Partial Differential Equations (138) Sep 75
- NTIS/PS-75/703/9GSB**  
American Indians (140) Sep 75
- NTIS/PS-75/704/7GSB**  
Adhesives (154) Sep 75
- NTIS/PS-75/705/4GSB**  
Bus Transportation. Vol 1. National and General Studies (175) Sep 75
- NTIS/PS-75/706/2GSB**  
Bus Transportation. Vol 2. Local Studies (212) Aug 75
- NTIS/PS-75/707/0GSB**  
Automata Theory (159) Sep 75
- NTIS/PS-75/708/8GSB**  
Job Satisfaction (295) Sep 75
- NTIS/PS-75/709/6GSB**  
Powder Metallurgy of Iron and Steel (141) Sep 75
- NTIS/PS-75/710/4GSB**  
Oil Water Separators (89) Sep 75 Primarily concerns ballast water and oil spill separation
- NTIS/PS-75/711/2GSB**  
Rehabilitation of Criminal and Public Offenders (134) Oct 75
- NTIS/PS-75/712/0GSB**  
Ocean Law (163) Sep 75
- NTIS/PS-75/713/8GSB**  
Polychlorinated Biphenyls in the Environment (52) Sep 75
- NTIS/PS-75/714/6GSB**  
Acid Mine Drainage (150) Sep 75
- NTIS/PS-75/715/3GSB**  
Solid Lubricants (128) Sep 75

**NTIS/PS-75/716/1GSB**

High Temperature Bearings (102) Sep 75

**NTIS/PS-75/717/9GSB**

Preparation and Evaluation of Environmental Impact Statements (60) 1970-Sep 75

**NTIS/PS-75/718/7GSB**

Oyster Utilization, Biology, and Growth (205) Sep 75

**NTIS/PS-75/719/5GSB**

Snow Studies (252) Sep 75

**NTIS/PS-75/720/3GSB**

Family Counseling (54) Oct 75

**NTIS/PS-75/721/1GSB**

Ghetto Sociodynamics (70) Sep 75

**NTIS/PS-75/722/9GSB**

Weather Modification Effects and Management (117) Sep 75 Excludes theory and physics of cloud seeding and nucleation

**NTIS/PS-75/723/7GSB**

Odor Pollution (186) Sep 75

**NTIS/PS-75/724/5GSB**

Mohole Project. Part 1. Drilling Platform (153) Sep 75

**NTIS/PS-75/725/2GSB**

Mohole Project. Part 2. Drilling Section (269) Sep 75

**NTIS/PS-75/726/0GSB**

Mohole Project. Part 3. Positioning and Reentry Systems (86) Sep 75

**NTIS/PS-75/727/8GSB**

Mohole Project. Part 4. General Studies (132) Sep 75

**NTIS/PS-75/728/5GSB**

Combustion of Plastics and Elastomers (80) Sep 75

**NTIS/PS-75/729/4GSB**

Textile Processing Wastes (72) Sep 75

**NTIS/PS-75/730/2GSB**

Riots and Riot Control (127) Sep 75

**NTIS/PS-75/731/0GSB**

Robots (103) Sep 75

**NTIS/PS-75/732/8GSB**

Crime and Law Enforcement in Transportation Systems (48) Sep 75

**NTIS/PS-75/733/6GSB**

Hydrogen Fluoride and Deuterium Fluoride Lasers (188) Sep 75

**NTIS/PS-75/734/4GSB**

Food Taste (161) Oct 75

**NTIS/PS-75/735/1GSB**

Automobile Safety: Seat Belts (153) Oct 75

**NTIS/PS-75/736/9GSB**

Automobile Safety: Bumpers (41) Oct 75

**NTIS/PS-75/737/7GSB**

Water Resources in Arid and Semiarid Regions (68) Sep 75

**NTIS/PS-75/738/5GSB**

Ultraviolet and X Ray Lasers (132) Sep 75

**NTIS/PS-75/739/3GSB**

Ground Water Pollution. Part 1. General Studies (193) Sep 75 Excludes studies dealing with irrigation and fertilization

**NTIS/PS-75/740/1GSB**

Ground Water Pollution. Part 2. Pollution From Irrigation and Fertilization (178) Sep 75

**NTIS/PS-75/741/9GSB**

Ground Water Pollution. Part 3. Saline Ground Water (90) Sep 75

**NTIS/PS-75/742/7GSB**

Electroluminescent Display Devices (114) Sep 75

**NTIS/PS-75/743/5GSB**

Design and Applications of Flywheels (69) Sep 75

**NTIS/PS-75/744/3GSB**

The Synthesis and Properties of Polyurethane Resins. Vol 2. 1964-1972 (143) Oct 75 Excludes polyurethane foams

**NTIS/PS-75/745/0GSB**

The Synthesis and Properties of Polyurethane Resins. Vol 1. 1973-Sep 1975 (81) Oct 75 Excludes polyurethane foams

**NTIS/PS-75/746/8GSB**

Asbestos and Silicate Pollution (111) Oct 75 Includes silicosis and asbestosis

**NTIS/PS-75/747/6GSB**

Psycholinguistics (67) Oct 75

**NTIS/PS-75/748/4GSB**

Power Plant Siting (96) Sep 75

**NTIS/PS-75/749/2GSB**

Hydrogen Embrittlement of Metals (230) Sep 75

**NTIS/PS-75/750/0GSB**

Fog Dispersal (177) Oct 75

**NTIS/PS-75/751/8GSB**

Strip Mining (145) Oct 75

**NTIS/PS-75/752/6GSB**

Mars Environment (146) 1971-Sep 75

**NTIS/PS-75/753/4GSB**

Computer Performance Evaluation (76) Oct 75

**NTIS/PS-75/754/2GSB**

Volunteers in Social and Community Affairs (51) Oct 75

**NTIS/PS-75/755/9GSB**

Environmental and Ecological Effects of Dredging (136) Oct 75

**NTIS/PS-75/756/7GSB**

Toxicity of Pesticides (188) Oct 75

**NTIS/PS-75/757/5GSB**

Fire Resistance of Fibers and Textiles (170) Oct 75 Includes fiber preparation and additives, standards, textile burning studies, and consumer aspects

**NTIS/PS-75/758/3GSB**

Behavior and Psychology as Related to Law Enforcement (160) Oct 75

**NTIS/PS-75/759/1GSB**

Computational Linguistics (134) Oct 75

**NTIS/PS-75/760/9GSB**

Air Pollution Effects on Materials (82) Oct 75

**NTIS/PS-75/761/7GSB**

Clear Air Turbulence (232) Oct 75

**NTIS/PS-75/762/5GSB**

Maneuvering Aircraft: Noise Pollution and Control. (170) Oct 75 Covers takeoff, landing, and flyby noise excluding sonic boom

**NTIS/PS-75/763/3GSB**

Marine Anchors (106) Oct 75

**NTIS/PS-75/764/1GSB**

Inert Gas Welding (113) Oct 75

**NTIS/PS-75/765/8GSB**

Frequency Standards (136) Oct 75

**NTIS/PS-75/766/6GSB**

Powder Metallurgy of Titanium and Titanium Alloys (73) Oct 75

**NTIS/PS-75/767/4GSB**

Marine Propellers: Fluid Mechanics and Mechanical Properties (145) Oct 75 Excludes propeller cavitation

**NTIS/PS-75/768/2GSB**

Marine Propellers: Design and Fabrication (92) Oct 75

**NTIS/PS-75/769/0GSB**

Seismology (180) 1974-Oct 75 Excludes underground explosion detection

**NTIS/PS-75/770/8GSB**

Ice Fog (45) Oct 75

**NTIS/PS-75/771/6GSB**

Diffusion Bonding (142) Oct 75

**NTIS/PS-75/772/4GSB**

Beryllium Pollution (80) Oct 75

**NTIS/PS-75/773/2GSB**

Underwater Voice Communication Systems (92) Oct 75

**NTIS/PS-75/774/0GSB**

Underwater Breathing Apparatus (147) Oct 75

**NTIS/PS-75/775/7GSB**

Underwater Clothing, Tools, and Equipment (164) Oct 75 Excludes breathing apparatus

**NTIS/PS-75/776/5GSB**

Experimental Design (112) Oct 75

**NTIS/PS-75/777/3GSB**

Venereal Diseases (54) Aug 75

**NTIS/PS-75/778/1GSB**

Blood Preservation and Storage. Vol. 1. 1964-1973 (169) Oct 75

**NTIS/PS-75/779/9GSB**

Blood Preservation and Storage. Vol. 2. 1974-1975 (52) Oct 75

**NTIS/PS-75/780/7GSB**

Medicare and Medicaid Programs--Utilization and Evaluation (88) Oct 75

**NTIS/PS-75/781/5GSB**

Vaccines and Immunity (187) Oct 75

**NTIS/PS-75/782/3GSB**

Modems (123) Oct 75

**NTIS/PS-75/783/1GSB**

Laser Fusion (109) Nov 75

**NTIS/PS-75/784/9GSB**

Electron Beam Fusion (44) Nov 75

**NTIS/PS-75/785/6GSB**

Stress Corrosion of Steel (200) Oct 75 Excludes stainless steel

**NTIS/PS-75/786/4GSB**

Stress Corrosion of Stainless Steel (125) Oct 75

**NTIS/PS-75/787/2GSB**

Bicycle Safety and Transportation (53) Nov 75

**NTIS/PS-75/788/0GSB**

Shipboard Sewage Treatment (48) Oct 75



- NTIS/PS-75/789/8GSB**  
Read Only Memories (37) Nov 75
- NTIS/PS-75/790/6GSB**  
Frequency Synthesizers (87) Oct 75
- NTIS/PS-75/791/4GSB**  
Signs and Display Systems: Graphic Design and Human Engineering (107) Nov 75
- NTIS/PS-75/792/2GSB**  
Gallium Arsenide Lasers (92) Oct 75
- NTIS/PS-75/793/0GSB**  
Fire Alarms and Fire Detectors (120) Oct 75
- NTIS/PS-75/794/8GSB**  
Integration of Nonlinear Differential Equations (81) Nov 75
- NTIS/PS-75/795/5GSB**  
Expansion Joints (65) Oct 75 Primarily covers highway and bridge expansion joints
- NTIS/PS-75/796/3GSB**  
Bioindicators of Pollution (167) Nov 75
- NTIS/PS-75/797/1GSB**  
Human Work Measurement (66) Oct 75 Excludes physiological effects.
- NTIS/PS-75/798/9GSB**  
Pine Wood (65) Oct 75 Covers pine wood products, uses, and properties
- NTIS/PS-75/799/7GSB**  
Transplantation Immunology (122) Oct 75
- NTIS/PS-75/800/3GSB**  
Industrial Health Hazards Due to Atmospheric Factors (202) 1970-Aug 75
- NTIS/PS-75/801/1GSB**  
Journal Bearings (120) Oct 75
- NTIS/PS-75/802/9GSB**  
Thrust, Sleeve, and Jewel Bearings (65) Oct 75
- NTIS/PS-75/803/7GSB**  
Roller Bearings (104) Oct 75
- NTIS/PS-75/804/5GSB**  
Liquid Bearings (62) Oct 75
- NTIS/PS-75/805/2GSB**  
Ball Bearings. Vol 1. 1964-1971 (120) Oct 75
- NTIS/PS-75/806/0GSB**  
Ball Bearings. Vol 2. 1972- September 1975 (100) Oct 75
- NTIS/PS-75/807/8GSB**  
Gas Bearings. Vol 1. 1964-1970 (152) Oct 75
- NTIS/PS-75/808/6GSB**  
Gas Bearings. Vol 2. 1971-August 1975 (138) Oct 75
- NTIS/PS-75/809/4GSB**  
Intrusion and Weapon Detection: Crime Prevention (77) Nov 75 Divided into two parts- civil development and military development with civil possibilities
- NTIS/PS-75/810/2GSB**  
Tsunamis (143) Oct 75
- NTIS/PS-75/811/0GSB**  
Random Access Memories (68) Nov 75
- NTIS/PS-75/812/8GSB**  
Range Finders (114) Nov 75
- NTIS/PS-75/813/6GSB**  
Interlibrary Loans (62) Nov 75
- NTIS/PS-75/814/4GSB**  
Boundary Layer Separation. Vol 1. 1966-1970 (127) Nov 75
- NTIS/PS-75/815/1GSB**  
Boundary Layer Separation. Vol 2. 1971-Aug 75 (115) Nov 75
- NTIS/PS-75/816/9GSB**  
Boundary Layer Transition. Vol 1. 1964-1968 (98) Nov 75
- NTIS/PS-75/817/7GSB**  
Boundary Layer Transition. Vol 2. 1969-1971 (104) Nov 75
- NTIS/PS-75/818/5GSB**  
Boundary Layer Transition. Vol 3. 1972-1975 (112) Nov 75
- NTIS/PS-75/819/3GSB**  
Shear Flow. Part 1. Liquids (152) Oct 75
- NTIS/PS-75/820/1GSB**  
Shear Flow. Part 2. Gases. Vol 1. 1964-1969 (154) Nov 75
- NTIS/PS-75/821/9GSB**  
Shear Flow. Part 2. Gases. Vol 2. 1970-November 1975 (166) Nov 75
- NTIS/PS-75/822/7GSB**  
Shear Flow. Part 3. General Studies (150) Nov 75 Excludes wind shear
- NTIS/PS-75/823/5GSB**  
Flow Reattachment (86) Nov 75
- NTIS/PS-75/824/3GSB**  
Boundary Layer Control (143) Nov 75
- NTIS/PS-75/825/0GSB**  
Cryogenic Refrigeration. Vol 1. 1964-1972 (135) Nov 75
- NTIS/PS-75/826/8GSB**  
Cryogenic Refrigeration. Vol 2. 1973-1975 (94) Nov 75
- NTIS/PS-75/827/6GSB**  
Development of Forest Industries (109) Nov 75
- NTIS/PS-75/828/4GSB**  
Detection and Sampling of Combustion Products in Flue Gases (97) Nov 75
- NTIS/PS-75/829/2GSB**  
Snow Removal and Deicing Techniques for Roads and Runways (117) Nov 75
- NTIS/PS-75/830/0GSB**  
Magnetometers (162) Nov 75 Includes only equipment studies
- NTIS/PS-75/831/8GSB**  
Logic Design (147) Nov 75
- NTIS/PS-75/832/6GSB**  
Chemical and Biological Warfare. Part 1. Detection and Warning Systems (87) Nov 75
- NTIS/PS-75/833/4GSB**  
Chemical and Biological Warfare. Part 2. Protection, Decontamination, and Disposal (122) Nov 75
- NTIS/PS-75/834/2GSB**  
Chemical and Biological Warfare. Part 3. Biology, Chemistry, Therapy, and Toxicology (115) Oct 75 Excludes the biochemistry and therapy of cholinesterase inhibitors
- NTIS/PS-75/835/0GSB**  
Chemical and Biological Warfare. Part 4. Defoliants and Herbicides (126) Nov 75
- NTIS/PS-75/836/7GSB**  
Chemical and Biological Warfare. Part 5. General Studies (147) Nov 75 Covers warfare planning, civil defense, aerial dissemination, containers, and delivery systems
- NTIS/PS-75/837/5GSB**  
Biochemistry and Therapy of Cholinesterase Inhibitors (139) Nov 75 Primarily covers organophosphorus nerve agents
- NTIS/PS-75/838/3GSB**  
Seals and Gaskets (224) 1970-Sep 75
- NTIS/PS-75/839/1GSB**  
Industrial Psychology (177) Nov 75
- NTIS/PS-75/840/9GSB**  
Revenue Sharing (45) Nov 75
- NTIS/PS-75/841/7GSB**  
Lung Cancer (81) Nov 74
- NTIS/PS-75/842/5GSB**  
Negroes in the U.S.-Social, Industrial, and Behavioral Interactions. Vol 1. 1965-1972 (122) Nov 75
- NTIS/PS-75/843/3GSB**  
Negroes in the U.S.-Social, Industrial, and Behavioral Interactions. Vol 2. 1973-Sep 75 (99) Nov 75
- NTIS/PS-75/844/1GSB**  
Environmental Carcinogens (158) Oct 75
- NTIS/PS-75/845/8GSB**  
Minority Business (89) Nov 75 Excludes regional and socioeconomic studies
- NTIS/PS-75/846/6GSB**  
Ecosystem Models (214) Nov 75
- NTIS/PS-75/847/4GSB**  
Radome Technology (181) Nov 75
- NTIS/PS-75/848/2GSB**  
Sediment Transport in Rivers (85) Nov 75
- NTIS/PS-75/849/0GSB**  
Congenital Abnormalities (79) Nov 75
- NTIS/PS-75/850/8GSB**  
Nuclear Fusion (139) Dec 75 Excludes research sponsored by ERDA as well as that on laser and electron beam fusion
- NTIS/PS-75/851/6GSB**  
Paleoclimatology (66) Nov 75
- NTIS/PS-75/852/4GSB**  
Paleomagnetism (97) Nov 75
- NTIS/PS-75/853/2GSB**  
Economic Development of Ethnic Minorities (122) Dec 75
- NTIS/PS-75/854/0GSB**  
Car Pools (21) Dec 75
- NTIS/PS-75/855/7GSB**  
Biotelemetry (155) Nov 75
- NTIS/PS-75/856/5GSB**  
Forest Watersheds (91) Nov 75
- NTIS/PS-75/857/3GSB**  
Information Processing in Humans. Vol 1. 1964-1973 (209) Dec 73
- NTIS/PS-75/858/1GSB**  
Information Processing in Humans. Vol 2. 1974-Nov 75 (89) Nov 75



- NTIS/PS-75/859/9GSB**  
Archaeology: Site Studies, Activation Analysis, Preservation, and Remote Sensing (114) Dec 75
- NTIS/PS-75/860/7GSB**  
Data Compression (120) Dec 75
- NTIS/PS-75/861/5GSB**  
Wood Bonding (99) Dec 75
- NTIS/PS-75/862/3GSB**  
Fish Protein Concentrates (140) Dec 75
- NTIS/PS-75/863/1GSB**  
Production Planning and Scheduling (193) Dec 75
- NTIS/PS-75/864/9GSB**  
Natural Language Processing (199) Dec 75
- NTIS/PS-75/865/6GSB**  
Printers (105) Dec 75 Includes computer printers, contact printers, projection printers, and printer readers
- NTIS/PS-75/866/4GSB**  
Health Manpower (126) Nov 75 Excludes allied health personnel
- NTIS/PS-75/867/2GSB**  
Federal Individual Income Tax Return Data by ZIP Code Dec 75
- NTIS/PS-75/868/0GSB**  
Fishway Design and Operation (65) Dec 75
- NTIS/PS-75/869/8GSB**  
Shark Behavior and Biology (68) Dec 75
- NTIS/PS-75/870/6GSB**  
Wind Effects. Part 1. Buildings and Bridges (83) Dec 75
- NTIS/PS-75/871/4GSB**  
Wind Effects. Part 2. General Structures (67) Dec 75 Excludes buildings and bridges
- NTIS/PS-75/872/2GSB**  
Icebreakers and Icebreaking (112) Dec 75
- NTIS/PS-75/873/0GSB**  
Library Management (137) Dec 75
- NTIS/PS-75/874/8GSB**  
Wind Shear (200) Dec 75 Excludes wind effects on structures
- NTIS/PS-75/875/5GSB**  
Design to Cost and Life Cycle Costing (190) Dec 75
- NTIS/PS-75/876/3GSB**  
Remotely Piloted Vehicles (85) Dec 75 Includes aircraft, drones, and extraterrestrial vehicles
- NTIS/PS-75/877/1GSB**  
Cascade Flow. Vol 1. 1964-1973 (194) Dec 75
- NTIS/PS-75/878/9GSB**  
Cascade Flow. Vol 2. 1974-October 1975 (64) Dec 75
- NTIS/PS-75/879/7GSB**  
Shift Registers (79) Dec 75
- NTIS/PS-75/880/5GSB**  
Contraceptives and Birth Control (51) Dec 75
- NTIS/PS-75/881/3GSB**  
Endangered Species (39) Dec 75
- NTIS/PS-75/882/1GSB**  
Fisheries Economics. Part 1. Marketing (113) Dec 75
- NTIS/PS-75/883/9GSB**  
Fisheries Economics. Part 2. General Economic Studies (220) Dec 75
- NTIS/PS-75/884/7GSB**  
Technology Transfer: General and Theoretical Studies (121) Jan 76
- NTIS/PS-75/885/4GSB**  
Biofeedback (36) Dec 75
- NTIS/PS-75/886/2GSB**  
Reservoir and Lake Sedimentation (105) Dec 75
- NTIS/PS-75/887/0GSB**  
Biological Pest Control (71) Dec 75
- NTIS/PS-75/888/8GSB**  
Bridges: Construction and Construction Materials (223) Dec 75
- NTIS/PS-75/889/6GSB**  
Epilepsy (66) Dec 75
- NTIS/PS-75/890/4GSB**  
Stress Factors on Pilot Performance (94) Dec 75
- NTIS/PS-75/891/2GSB**  
Biomedical Information Systems (178) Dec 75 Bibliographic and data information systems are included
- NTIS/PS-75/892/0GSB**  
Optical Character Recognition (115) Dec 75
- NTIS/PS-75/893/8GSB**  
Biological Effects of Laser Radiation (188) Dec 75
- NTIS/PS-76/0001/8GSB**  
Molecular Biology (131) Dec 75
- NTIS/PS-76/0002/6GSB**  
Travel Time Studies for Surface Transportation (155) Jan 76 Includes both automobile and mass transit travel but excludes freight transportation
- NTIS/PS-76/0003/4GSB**  
Impacts and Studies of the Extremely Low Frequency Communication System, Sanguine (106) Jan 76 Includes environmental and biological effects of this global communications system
- NTIS/PS-76/0004/2GSB**  
Social Indicators (50) Jan 76
- NTIS/PS-76/0005/9GSB**  
Publishing: Methods, Analyses, and Surveys (86) Jan 76
- NTIS/PS-76/0006/7GSB**  
Material Shortages (136) Jan 76 Includes agricultural products, metals, minerals, and other materials except fuels
- NTIS/PS-76/0007/5GSB**  
Diesel Engine Exhaust (114) Jan 76
- NTIS/PS-76/0008/3GSB**  
Auditory Perception in Cetacea (70) Jan 76
- NTIS/PS-76/0009/1GSB**  
Highway Beautification (58) Jan 76
- NTIS/PS-76/0010/9GSB**  
Freight Travel Time (36) Jan 76
- NTIS/PS-76/0011/7GSB**  
Electrodialysis Desalination (117) Jan 76
- NTIS/PS-76/0012/5GSB**  
Electrodialysis Desalination (64) Jan 76 (E1)
- NTIS/PS-76/0013/3GSB**  
Behavior and Physiological Effects of Noise. Vol 1. 1964-1972 (199) 1964-Oct 72
- NTIS/PS-76/0014/1GSB**  
Behavior and Physiological Effects of Noise. Vol 2. 1972-1975 (119) 1972-Dec 75
- NTIS/PS-76/0015/8GSB**  
Air Pollution Effects on Plants (173) Dec 75
- NTIS/PS-76/0016/6GSB**  
Television Systems (114) 1970-Jan 76 Excludes research on closed circuit television
- NTIS/PS-76/0017/4GSB**  
Individualized Instruction (32) Jan 76
- NTIS/PS-76/0018/2GSB**  
Health Care Costs (110) Jan 76
- NTIS/PS-76/0019/0GSB**  
High Energy Rate Forming. Part 1. (70) Jan 76 Excludes explosive forming
- NTIS/PS-76/0020/8GSB**  
High Energy Forming. Part 2. Explosive Forming (110) January 76
- NTIS/PS-76/0021/6GSB**  
Sediment-Water Interactions and Their Effects Upon Water Quality (106) Jan 76 Excludes salt water studies
- NTIS/PS-76/0022/4GSB**  
Parallel Processors (207) Jan 76
- NTIS/PS-76/0023/2GSB**  
Parallel Processors (227) Jan 76 (E1)
- NTIS/PS-76/0024/0GSB**  
Air Bag Restraints (85) Jan 76
- NTIS/PS-76/0025/7GSB**  
Travel Habits and Patterns. Vol 1. 1964-1973 (83) Jan 76
- NTIS/PS-76/0026/5GSB**  
Travel Habits and Patterns. Vol 2. 1974-1975 (112) Jan 76
- NTIS/PS-76/0027/3GSB**  
Hurricanes: Forecasting, Modification, and Research (211) Jan 76
- NTIS/PS-76/0028/1GSB**  
Rehabilitation of the Physically Handicapped (179) Jan 76
- NTIS/PS-76/0029/9GSB**  
The Chemistry and Physics of Ozone in the Stratosphere (142) Jan 76
- NTIS/PS-76/0030/7GSB**  
Federal Trade Commission Advertising Substantiation Program (212) Jan 76
- NTIS/PS-76/0031/5GSB**  
Time Series Forecasting and Prediction (117) Jan 76 Includes studies on hydrology, meteorology, management, and energy among others
- NTIS/PS-76/0032/3GSB**  
Biodeterioration of Oil Spills (99) Jan 76
- NTIS/PS-76/0033/1GSB**  
The Biological Effects of Oil Spills (142) Jan 76 Excludes biodeterioration
- NTIS/PS-76/0034/9GSB**  
Optical Memories (86) Jan 76
- NTIS/PS-76/0035/6GSB**  
Ecology of Insecticide Water Pollution. Vol 1. 1964-1973 (206) Jan 76

- NTIS/PS-76/0036/4GSB**  
Ecology of Insecticide Water Pollution. Vol 2. 1974-1975 (152) Jan 76
- NTIS/PS-76/0037/2GSB**  
Water Pollution Analysis and Detection. Vol 1. 1970-June 1974 (145) Jan 76 Excludes oil spill detection and analysis
- NTIS/PS-76/0038/0GSB**  
Water Pollution Analysis and Detection. Vol 2. July 1974-January 1976 (101) Jan 76 Excludes oil spill detection and analysis
- NTIS/PS-76/0039/8GSB**  
Discrete Address Beacon System (77) Jan 76
- NTIS/PS-76/0040/6GSB**  
Cavity Flow. Vol. 1. 1964-1970 (110) Feb 76
- NTIS/PS-76/0041/4GSB**  
Cavity Flow. Vol. 2. 1971-1975 (94) Feb 76
- NTIS/PS-76/0042/2GSB**  
Aerospace Computer Systems. Part 1. Avionic Applications (158) Jan 76
- NTIS/PS-76/0043/0GSB**  
Aerospace Computer Systems. Part 2. Spacecraft and Guided Missile Applications (154) Jan 76
- NTIS/PS-76/0044/8GSB**  
Transportation Users: Demands and Needs (56) Jan 76 Covers commuters, disadvantaged, handicapped, and various age groups
- NTIS/PS-76/0045/5GSB**  
Demands and Needs of Future Transportation. Part 1. Air Transportation (133) 1968-Jan 76 Cites the needs of local areas, regions, states, and the nation
- NTIS/PS-76/0046/3GSB**  
Demands and Needs of Future Transportation. Part 2. Surface Transportation (108) Jan 76 Includes urban, rail, and marine
- NTIS/PS-76/0047/1GSB**  
Plasma and Flame Sprayed Coatings (146) Jan 76
- NTIS/PS-76/0048/9GSB**  
Plasma and Flame Sprayed Coatings. Vol 1. 1970-1973 (131) Jan 76
- NTIS/PS-76/0049/7GSB**  
Plasma and Flame Sprayed Coatings. Vol 2. 1974-1975 (105) Jan 76 (Ei)
- NTIS/PS-76/0050/5GSB**  
Gas Scrubbers Used in Pollution Control (216) Jan 76
- NTIS/PS-76/0051/3GSB**  
Gas Scrubbers Used in Pollution Control. Vol 1. 1970-1973 (164) Jan 76 (Ei)
- NTIS/PS-76/0052/1GSB**  
Gas Scrubbers Used in Pollution Control. Vol 2. 1974-1975 (136) Jan 76 (Ei)
- NTIS/PS-76/0053/9GSB**  
Coal Mine Waste (78) Feb 76
- NTIS/PS-76/0054/7GSB**  
Frequency Allocation and Management (147) Jan 76
- NTIS/PS-76/0055/4GSB**  
Instrumentation and Data Processing Used in the Earth Resources Technology Satellite (157) 1974-Jan 76
- NTIS/PS-76/0056/2GSB**  
Biological Productivity in Fresh Water Environments (140) Jan 76
- NTIS/PS-76/0057/0GSB**  
The Chemistry of Silicone Resins (152) Jan 76
- NTIS/PS-76/0058/8GSB**  
Sea Water Corrosion (208) Feb 76
- NTIS/PS-76/0059/6GSB**  
Color Vision Jan 76
- NTIS/PS-76/0060/4GSB**  
Recreational Boating (128)
- NTIS/PS-76/0061/2GSB**  
Historical Background Studies of the National Park Service (193) Feb 76
- NTIS/PS-76/0062/0GSB**  
Nondestructive Testing of Pavements and Pavement Bases (80) Jan 76
- NTIS/PS-76/0063/8GSB**  
Reinforced Plastics. Part 1. Fiberglass Reinforcement (180) Jan 76
- NTIS/PS-76/0064/6GSB**  
Reinforced Plastics. Part 2. Boron, Carbon, and Other Reinforcing Materials (218) Feb 76
- NTIS/PS-76/0065/3GSB**  
Schottky Barrier Devices (181) Jan 76
- NTIS/PS-76/0066/1GSB**  
Schottky Barrier Devices (127) 1975 (Ei)
- NTIS/PS-76/0067/9GSB**  
Rehabilitation of the Mentally Retarded (125) Feb 76
- NTIS/PS-76/0068/7GSB**  
Flight Simulator Training (175) Feb 76
- NTIS/PS-76/0069/5GSB**  
Permafrost. Part 1. General Studies (113) Feb 76
- NTIS/PS-76/0070/3GSB**  
Permafrost. Part 2. Structural Engineering (188) Feb 76
- NTIS/PS-76/0071/1GSB**  
Permafrost Engineering (171) Feb 76 (Ei)
- NTIS/PS-76/0072/9GSB**  
Aircraft Wake Vortices (177) Feb 76
- NTIS/PS-76/0073/7GSB**  
Lead Pollution (247) Feb 75
- NTIS/PS-76/0074/5GSB**  
Cigarette Smoking (60) Feb 76
- NTIS/PS-76/0075/2GSB**  
Records Management (235) Feb 76
- NTIS/PS-76/0076/0GSB**  
Intelligence Testing (143) Feb 76
- NTIS/PS-76/0077/8GSB**  
Interactive Computer Graphics (204) Jan 76
- NTIS/PS-76/0078/6GSB**  
Interactive Computer Graphics (202) Jan 76 (Ei)
- NTIS/PS-76/0079/4GSB**  
Camouflage (133) Feb 76
- NTIS/PS-76/0080/2GSB**  
Emergency Medical Services (160) Feb 76
- NTIS/PS-76/0081/0GSB**  
Turbine Blades: Erosion and Corrosion (80) Feb 76 Excludes cavitation
- NTIS/PS-76/0082/8GSB**  
Turbine Blades: Erosion and Corrosion (108) Feb 76 Excludes cavitation (Ei)
- NTIS/PS-76/0083/6GSB**  
Osmotic Desalting Membranes. Vol 1. 1964-1972 (120) Feb 76
- NTIS/PS-76/0084/4GSB**  
Osmotic Desalting Membranes. Vol 2. 1973-February 1976 (129) Feb 76
- NTIS/PS-76/0085/1GSB**  
Osmotic Desalting Membranes. Vol 1. 1970-1973 (143) Feb 76 (Ei)
- NTIS/PS-76/0086/9GSB**  
Osmotic Desalting Membranes. Vol 2. 1974-1975 (116) Feb 76 (Ei)
- NTIS/PS-76/0087/7GSB**  
Gas and Steam Turbines, General: Corrosion and Erosion (166) Feb 76 Excludes turbine blades cavitation
- NTIS/PS-76/0088/5GSB**  
Gas and Steam Turbines, General: Corrosion and Erosion (139) Feb 76 Excludes turbine blades cavitation (Ei)
- NTIS/PS-76/0089/3GSB**  
Switching Circuits (209) Jan 76
- NTIS/PS-76/0090/1GSB**  
Switching Circuits (184) Jan 76 (Ei)
- NTIS/PS-76/0091/9GSB**  
Tectonics. Vol 1. 1973-1974 (170) Feb 76
- NTIS/PS-76/0092/7GSB**  
Tectonics. Vol 2. 1975-January 1976 (86) Feb 76
- NTIS/PS-76/0093/5GSB**  
Herpes Virus (115) Feb 76
- NTIS/PS-76/0094/3GSB**  
Tracked Air Cushion Vehicles and Magnetic Levitation (98) Feb 76
- NTIS/PS-76/0095/0GSB**  
Effects of Fatigue on Human Behavior and Performance (121) Jan 76
- NTIS/PS-76/0096/8GSB**  
Ice and Fog: Detection and Warning Systems (91) Feb 76
- NTIS/PS-76/0097/6GSB**  
Biological Effects of Lead Pollution (117) Feb 76
- NTIS/PS-76/0098/4GSB**  
Prestressed Concrete Technology (181) Feb 76
- NTIS/PS-76/0099/2GSB**  
Laser Raman Spectroscopy (90) 1970-Feb 76
- NTIS/PS-76/0100/8GSB**  
Laser Spectroscopy. Vol 1. 1970-1974 (126) Feb 76 Excludes Raman spectroscopy
- NTIS/PS-76/0101/6GSB**  
Laser Spectroscopy. Vol 2. 1975-February 1976 (123) Feb 76 Excludes Raman spectroscopy
- NTIS/PS-76/0102/4GSB**  
Gallium Arsenide Epitaxial Growth (172) Feb 76

- NTIS/PS-76/0103/2GSB**  
The Role of Women in the Workforce (171) Feb 76
- NTIS/PS-76/0104/0GSB**  
Burn Therapy (157) Feb 76
- NTIS/PS-76/0105/7GSB**  
Student Teacher Interaction (79) Feb 76
- NTIS/PS-76/0106/5GSB**  
Lightweight Armor (123) Feb 76
- NTIS/PS-76/0107/3GSB**  
Superalloys. Vol 1. 1970-1973 (246) Feb 76 (Ei)
- NTIS/PS-76/0108/1GSB**  
Superalloys. Vol 2. 1974-1975 (179) Feb 76 (Ei)
- NTIS/PS-76/0109/9GSB**  
Superalloys Feb 76
- NTIS/PS-76/0110/7GSB**  
Detergents, Soaps, and Surface Active Cleaners (124) Feb 76 Excludes oil spill treatment chemicals and fuel additives
- NTIS/PS-76/0111/5GSB**  
Whales (115) Feb 76
- NTIS/PS-76/0112/3GSB**  
Urban Parking (103) Mar 76
- NTIS/PS-76/0113/1GSB**  
Driver Education (124) Mar 76
- NTIS/PS-76/0114/9GSB**  
Corrosion of Stainless Steel (225) Oct 75 Excludes stress corrosion
- NTIS/PS-76/0115/6GSB**  
Career Development. Part 1. Military Careers (224) Feb 76
- NTIS/PS-76/0116/4GSB**  
Career Development. Part 2. Civilian Careers (245) Feb 76
- NTIS/PS-76/0117/2GSB**  
Cardiovascular Diseases. Vol. 1. 1964-1972 (151) 1964-1972
- NTIS/PS-76/0118/0GSB**  
Cardiovascular Diseases. Vol. 2. 1973-1975 (179) Mar 76
- NTIS/PS-76/0119/8GSB**  
Lightning, Surge, and Transient Protection (146) Feb 76
- NTIS/PS-76/0120/6GSB**  
Bacterial Pollution of Water (206) Feb 76
- NTIS/PS-76/0121/4GSB**  
Symbolic Programming (54) Mar 76
- NTIS/PS-76/0122/2GSB**  
Electron Beam Semiconductor Devices (49) Feb 76
- NTIS/PS-76/0123/0GSB**  
Electron Beam Semiconductor Devices (55) Feb 76 (Ei)
- NTIS/PS-76/0124/8GSB**  
Collective Bargaining and Labor Contracts (71) March 76
- NTIS/PS-76/0125/5GSB**  
Radioimmunoassay Studies (79) Feb 76
- NTIS/PS-76/0126/3GSB**  
Cosmology (113) Mar 76
- NTIS/PS-76/0127/1GSB**  
Thermal Pollution. Part 1. Control Techniques and General Studies (116) Mar 76 Excludes waste heat utilization studies
- NTIS/PS-76/0128/9GSB**  
Thermal Pollution. Part 2. Biological Effects. Vol 1. 1964-1973 (132) Mar 76
- NTIS/PS-76/0129/7GSB**  
Thermal Pollution. Part 2. Biological Effects. Vol 2. 1974-March 1976 (132) Mar 76
- NTIS/PS-76/0130/5GSB**  
Thermal Pollution. Part 3. Hydrology and Hydrodynamics (177) Mar 76
- NTIS/PS-76/0131/3GSB**  
Solar Eclipses (150) Mar 76
- NTIS/PS-76/0132/1GSB**  
Quantum Electrodynamics (175) Mar 76
- NTIS/PS-76/0133/9GSB**  
Night Vision and Dark Adaptation (98) Feb 76
- NTIS/PS-76/0134/7GSB**  
Quasars, Pulsars and Black Holes (205) Mar 76
- NTIS/PS-76/0135/4GSB**  
Relativity Theory (136) Mar 76
- NTIS/PS-76/0136/2GSB**  
Electron Beam Welding (165) Mar 76
- NTIS/PS-76/0137/0GSB**  
Electron Beam Welding (165) 1975 (Ei)
- NTIS/PS-76/0138/8GSB**  
Outdoor Recreation (155) Mar 76 Excludes studies primarily on boating and sport fishing
- NTIS/PS-76/0139/6GSB**  
Fluid Control Devices. Vol 1. 1964-December 1971 (188) Mar 76
- NTIS/PS-76/0140/4GSB**  
Fluid Control Devices. Vol 2. 1972-February 1976 (156) Mar 76
- NTIS/PS-76/0141/2GSB**  
Fluid Control Devices (161) 1974-Feb 76 (Ei)
- NTIS/PS-76/0142/0GSB**  
Ferrous Metal Casting (193) Mar 76
- NTIS/PS-76/0143/8GSB**  
Nystagmus (209) Mar 76
- NTIS/PS-76/0144/6GSB**  
Air Pollution Tracer Studies in the Lower Atmosphere (55) Mar 76
- NTIS/PS-76/0145/3GSB**  
Band Pass Filters (139) Feb 76
- NTIS/PS-76/0146/1GSB**  
Band Pass Filters (154) 1974-1975 Excludes optical filters (Ei)
- NTIS/PS-76/0147/9GSB**  
Acrylic Resins. Part 1. Acrylonitrile Polymers (86) Mar 76 Covers fabrication, polymerization, and properties
- NTIS/PS-76/0148/7GSB**  
Acrylic Resins. Part 1. Acrylonitrile Polymers--1975 (115) Mar 76 (Ei)
- NTIS/PS-76/0149/5GSB**  
Acrylic Resins. Part 2. Methacrylate Polymers Mar 76 Covers fabrication, polymerization, and properties
- NTIS/PS-76/0150/3GSB**  
Acrylic Resins. Part 2. Methacrylate Polymers--1975 (177) Mar 76 (Ei)
- NTIS/PS-76/0151/1GSB**  
Acrylic Resins. Part 3. Acrylates, Acrylamides, and General Studies (138) Mar 76 Covers fabrication, polymerization, and properties
- NTIS/PS-76/0152/9GSB**  
Acrylic Resins. Part 3. Acrylates, Acrylamides, and General Studies (153) Mar 76 (Ei)
- NTIS/PS-76/0153/7GSB**  
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Enter Grand Total					\$	

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