



NTIS/PS-77/1013

Riots and Riot Control

A Bibliography with Abstracts

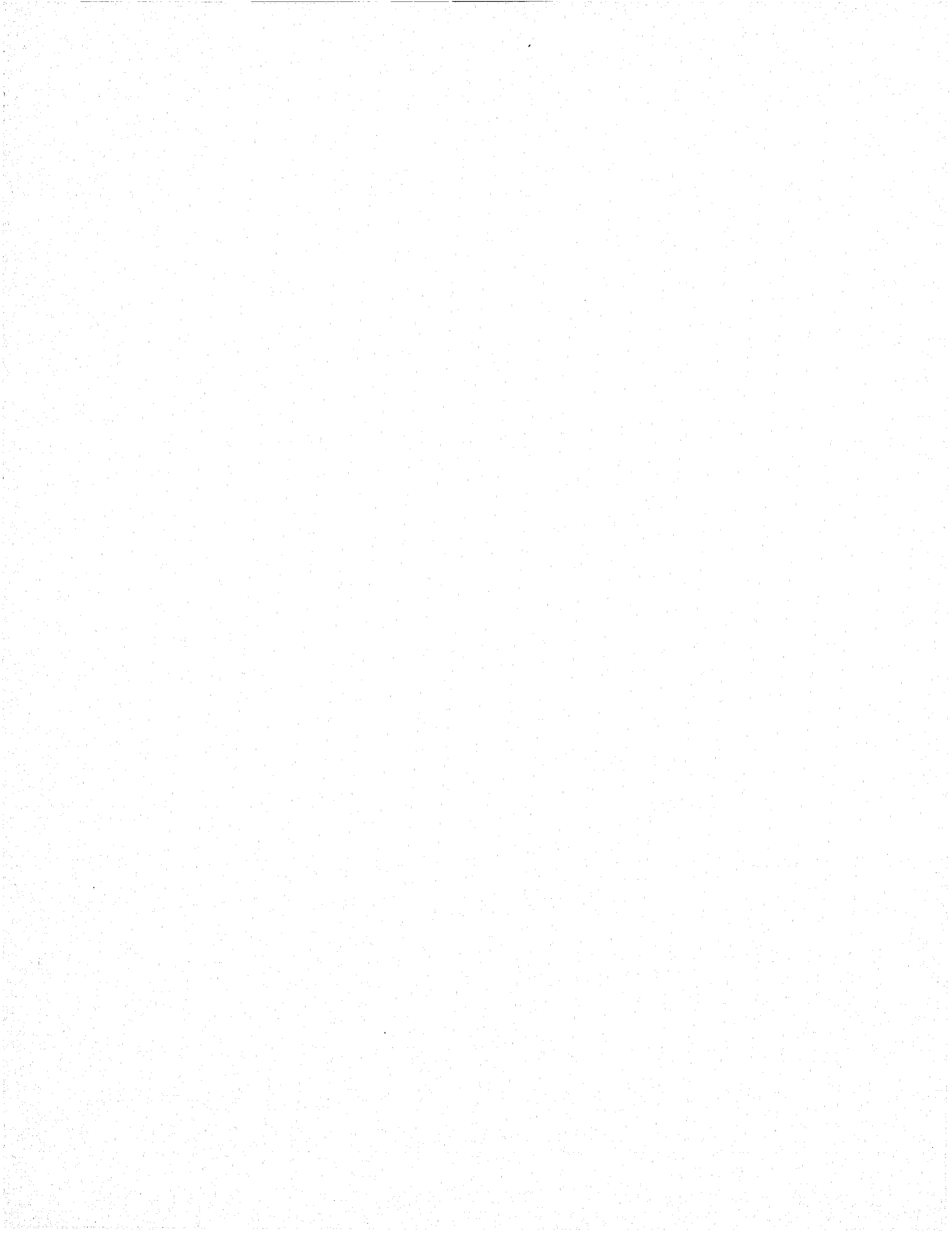
Search period covered

1964 - November 1977

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16. Abstracts The citations cover riots, civil disturbances and disorders, insurgency in urban areas, the use of riot control agents, and equipment used to control riots. Both civilian and military riot situations are included. (This updated bibliography contains 154 abstracts, 11 of which are new entries to the previous edition.)			
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**SAMPLE ENTRY OF A CITATION FROM THE
NTIS DATA BASE**

Title
Corporate Author
Sponsoring Agency
Report Date
Pages in Report
NTIS Subject Categories

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, 06R, 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 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\$8.00/MF\$3.00

Paper Copy
Price

Microfiche
Price

Keywords

Order Number

NOTE: Prices are subject to change. See colored pages accompanying this search.

Urban Guerrillas in the Americas

Army War Coll Strategic Studies Inst Carlisle Barracks Pa (390230)

Military issues research memo.

AUTHOR: Roberts, Kenneth E.; Munger, Murl D.

D1393J3 Fld: 15G, 15C, 74G GRAI7707

30 Dec 76 29p

Monitor: 18

Abstract: The shift from the rural insurgencies of the 1950's and 1960's to acts of terrorism and urban guerrilla warfare in the 1970's has created a dilemma for Western Governments. The authors believe that the nations of the Western Hemisphere are likely to find this new insurgency a growing threat unless the current economic and socio-political problems are satisfactorily resolved. In their view, the tactics and equipment developed to combat the rural guerrilla are not readily adaptable to the urban environment; however, the destructive capabilities of the urban terrorists' arsenal have grown enormously. The authors assert that a new strategy for deterring and combating urban guerrillas must be developed, and they set forth principles that will aid in the formulation of such a strategy.
(Author)

Descriptors: *Guerrilla warfare, *Urban areas, Canada, United States, Latin America, Insurgency, Threat evaluation, Terrorism, National security, Deterrence, Countermeasures, Policies, Military tactics, Military strategy

Identifiers: NTISDODXA

AD-A034 584/3ST NTIS Prices: PC A03/MF A01

Effects of Tests with Military Chemicals on the Mammals of Carroll Island

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Technical rept. Jan 71-Apr 73

AUTHOR: Pinkham, Carlos F. A.; Braid, Malcom R.; Roelle, James F.; Slack, Roy S.

C7251L4 Fld: 15B, 6F, 6T, 57H, 57Y GRAI7622

Aug 76 60p

Rept No: EO-TR-76071

Project: DA-1-W-662710-AD-63

Task: 1-W-662710-AD-6302

Monitor: 18

Abstract: Studies were conducted on Carroll Island, Baltimore County, Maryland, to determine if testing of chemical agents, simulants, and riot control agents had any adverse effect on the mammal populations. There was no evidence for an effect from data on distribution, carcass counts, vigor, teratologies, or reproduction. Data on population size and density indicated that the part where testing occurred supported populations either equal to or larger than that part where testing did not occur. However, the north end of the pond 4 woods showed the lowest density for all species studied in spite of no obvious habitat differences from several other parts of the island. It is possible that testing was responsible since this is the closest woodlot downwind from the major test site. (Author)

Descriptors: *Chemical agents, *Chemical agent simulants, *Riot control agents, *Environmental tests, Wildlife, Ecology, Mammals, Safety, Hazards, Environmental management, Environmental impact statements, Pollution, Sampling, Surveys, Forests, Distribution, Maryland

Identifiers: *Carroll Island, NTISDODXA

AD-A028 926/4ST NTIS Prices: PC\$4.50/NF\$3.00

Law Enforcement Standards Program: NILECJ Standard for Riot Helmets. A Voluntary National Standard Promulgated by the National Institute of Law Enforcement and Criminal Justice

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

C7211F1 Fld: 6Q, 5K, 95D*, 91C* GRAI7621

Oct 74 16p*

Rept No: NILE/CJ-STD-0104.00

Monitor: 18

Abstract: This equipment standard is a technical document consisting of performance and other requirements together with a description of test methods. Equipment which can meet these requirements is of superior quality and is suited to the needs of law enforcement agencies. Purchasing agents can use the test methods described in this standard to determine firsthand whether a particular equipment item meets the requirements of the standard, or they may have the tests conducted on their behalf by a qualified testing laboratory. Law enforcement personnel may also reference this standard in purchase documents and require that any equipment offered for purchase meet its requirements and that this compliance be either guaranteed by the vendor or attested to by an independent testing laboratory.

Descriptors: *Helmets, *Police, Standards, Headgear, Protection, Performance tests, Impact tests, Penetration Resistance, Visual perception, Guidelines, Specifications, Tests, Law enforcement

Identifiers: Riot control equipment, police equipment, *Riot helmets, NTISJDLEAA

PB-255 869/0ST NTIS Prices: PC\$3.50/MF\$3.00

Los Angeles County District Attorney's Less-Lethal Weapons Task Force
Human Engineering Lab Aberdeen Proving Ground Md (172850)

Final rept.

AUTHOR: Katz, Burton S.; Egner, Donald O.

C7174C1 Fld: 15C, 5K, 91I GRAI7621

Jun 76 35p

Rept No: HEL-TM-24-76

Monitor: 18

Abstract: The Los Angeles County District Attorney's Office established a Task Force on Less-Lethal Weapons. This is a report of the findings of that task force and covers the following four areas: research and evaluation, wound ballistics, legislation, and public information. The technical work conducted by the task force was utilized as a basis for drafting legislation concerning the use of less-lethal weapons. The findings leading to the legislation, along with a summary of the draft bill, are presented in the report.

Descriptors: *Weapons, *Riot control, Wound ballistics, Trauma, Kinetic energy projectiles, Civil disturbances, Legislation, Public relations

Identifiers: NTISDODA

AD-A028 218/6ST NTIS Prices: PC\$4.00/MF\$3.00

Urban Insurgency Cases

Defense Research Corp Santa Barbara Calif (107 450)

Internal memo.

AUTHOR: Sorenson, John L.

D2472C1 Fld: 15G, 5D, 8F, 5K d7714

Feb 65 144p

Rept No: IMR-176

Monitor: 18

Distribution limitation now removed.

Abstract: No abstract available.

Descriptors: (*Unconventional warfare, *Urban areas), History, Reviews, Guerrilla warfare, Counterinsurgency, Algeria, Cyprus, Hungary, Ireland, Japan, Lebanon, Israel, Spain, Venezuela, Social sciences, Classification

Identifiers: NTISDODXD

AD-481 480/2ST NTIS Prices: PC A07/MF A01

The Effects of Thermally-Generated CS Aerosols on Human Skin

Edgewood Arsenal MD (401 007)

Technical rept. May-Jun 66

AUTHOR: Hellreich, Alfred; Goldman, Richard H.; Bottiglieri, Nicholas G.; Weimer, John T.

D2063D3 Fld: 15B, 6E d7711

Jan 67 26p

Rept No: EA-TR-4075

Project: DA-1-C-622401-A-097

Task: 1-C-622401-A-09708

Monitor: 18

Original contains color plates: All DDC reproductions will be in black and white. Original may be seen in DDC Headquarters.

Distribution limitation now removed.

Abstract: In order to determine whether CS aerosols, under tropical climatic conditions, offer any threat to the nonsensitized human integument, volunteers were exposed to high concentrations of CS for periods up to 1 hr. Second degree chemical burns occurred in four of the eight subjects exposed to a Ct of 14,040 or 17,700. It was generally noted that the volunteers most susceptible to sunburn (e.g., blue-eyed blonds as opposed to non-Caucasians) displayed the most severe reactions, even though ultraviolet light was not a factor in our study. It was also noted that the healing of minor wounds (scratches and needle marks) was not affected by the CS burns. Areas covered by fatigue uniform sleeves remained reaction-free in all cases, demonstrating the protective effect of the dry uniform. Very high Ct's of CS (14,000) under tropical conditions of heat and humidity (with moderate wind velocity) produce vesication of human skin. The disability produced by these second degree chemical burns is treatable but may incapacitate the recipient for up to 10 days. (Author)

Descriptors: (*Cs agents, Burns (Injuries)), Exposure (Physiology), Sun, Aerosols, Skin (Anatomy), Integumentary system, Protective clothing, Tropical tests, Ultraviolet radiation, Incapacitating agents, Insurgency

Identifiers: Civil disturbances, NTISDODXD

AD-809 485/6ST NTIS Prices: PC A03/MF A01

A Clinicopathologic Study of the Effects of Riot Control Agents on Monkeys. Iv. O-Chlorobenzylidene Malononitrile (Cs) Grenade

Edgewood Arsenal MD (401 007)

Technical rept. Nov 65-Jun 66

AUTHOR: Striker, G. E.; Streett, C. S.; Ford, D. F.; Herman, L. H.; Helland, D. R.

D2055D2 Pld: 15B, 6E d7711

Jan 67 39p

Rept No: EA-TR-4071

Project: DA-1-C-522301-A-079

Task: 1-C-522301-A-07908

Monitor: 18

See also Part 3, AD-808 730L.

Distribution limitation now removed.

Abstract: This is a study of the order, severity, and resolution of pathologic changes in *Macaca mulatta* monkeys exposed to CS, a riot control agent. When monkeys were exposed to CS (Ct's of 2700, 8500, 28,500, or 80,000 mg min/cu m), the following observations were made: 1. The most prominent lesions seen after the two lower doses were mild pulmonary congestion, bronchorrhea, emphysema, and atelectasis. These lesions cleared by 72 hr but recurred at 1 wk and 30 days. 2. Oral and nasal discharges and dyspnea appeared early after a Ct of 28,500. They were most severe between 12 and 24 hr and were resolved by 72 hr. Pneumonia, emphysema, and atelectasis were present 1 wk and 30 days after exposure. 3. Significant lesions were seen radiographically only in those monkeys exposed to a Ct of 80,000. These lesions paralleled those seen on necropsy. At this Ct, edema appeared by 12 hr, peaked between 24 and 48 hr, and cleared by 1 wk. Emphysema and bronchiolitis were present 1 wk and 30 days after exposure. (Author)

Descriptors: (*Tear gas, Effectiveness), Monkeys, Pathology, Grenades, Wounds and injuries, Lung, Aerosols, Histology

Identifiers: NTISDODXD

AD-808 732/2ST NTIS Prices: PC A03/MF A01

A Clinicopathologic Study of the Effects of Riot Control Agents on Monkeys V. Low Concentrations of Diphenylamino-Chloroarsine (Dm) or O-Chlorobenzylidene Malononitrile (Cs) for Extended Periods

Edgewood Arsenal MD (401 007)

Technical rept. Dec 65-Jun 66

AUTHOR: Striker, G. E.; Streett, C. S.; Fori, D. F.; Herman, L. H.; Helland, D. R.

D2055D1 Fld: 15B, 6E d7711

Jan 67 20p

Rept No: EA-TR-4072

Project: DA-1-C-522301-A-079

Task: 1-C-522301-A-07908

Monitor: 18

See also Part 3, AD-808 730L.

Distribution limitation now removed.

Abstract: This is a report of the order, severity, and resolution of pathologic changes in *Macaca mulatta* monkeys exposed to low concentrations of DM or CS for extended periods. The following observations were made: (1) Exposure of the monkeys to low concentrations of CS for relatively long periods (Ct, 265 to 9120 mg min/cu m; t, 5 to 30 min) produced few clinical signs, no systemic manifestations of toxicity, and no pathologic changes. (2) Exposure of the monkeys to low concentrations of DM for relatively long periods (Ct, 198 to 13,2000; t, 2 to 60) produced clinical signs and pathologic changes in a significant number of the animals. The clinical signs were primarily nausea and vomiting, and the pathologic changes were bronchorrhea, congestion, edema, and pulmonary inflammation. (Author)

Descriptors: (*Tear gas, Effectiveness), Monkeys, Lung, Pathology, Wounds and injuries, Aerosols, Toxicity, Respiratory diseases, Hazards, Respiration, Hemorrhage

Identifiers: Dm agents, NTISDODXD

AD-808 731/4ST NTIS Prices: PC A02/MF A01

Engineering Test (Airworthiness and Performance Tests) of UH-1C Helicopter with Cluster, Canister, Riot Control CS, 130 Lb, E-159

Army Aviation Test Activity Edwards AFB Calif (036 470)

Final rept. May-Nov 66

AUTHOR: Yamakawa, George; Welter, William L.

D2053K3 Fld: 1C, 15G d7711

Jan 67 35p

Rept No: USAAVNTA-66-05

Project: RDT/E-1B543603D43103, USATECOM-5-5-3405-10

Monitor: 18

Distribution limitation now removed.

Abstract: Flight tests were conducted at Edwards Air Force Base by USAAVNTA personnel to develop a jettison and firing envelope for the E-159 system suspended from a M-75 grenade launcher/M-60C machine gun equipped UH-1C helicopter. This report includes the recommended safe jettison and firing envelopes. Effects on UH-1C performance, stability and control characteristics are included in this report. No flight control correction was required during or after the firing and/or jettison of the E-159. Single E-159 canister loading was not recommended, nor was jettison of the empty strongback. The previously reported self-excited, undamped pylon motion vibration characteristics were observed during these tests. These vibration characteristics were considered to be unsatisfactory and require correction. (Author)

Descriptors: (*Helicopters, Insurgency), Nonlethal agents, Cs agents, Canister projectiles, Bomb clusters, Weapons, Installation, Bomb racks, Design, Jettisonable equipment, Air-to-surface, Surface targets, Vibration, Level flight, Yaw, Pitch(Motion), Roll, Stability, Ignition, Flight testing, Machine guns, Launching, Aircraft protuberances

Identifiers: Civil disturbances, E-159 chemical munitions, H-1 aircraft, M-60 guns(7.62-mm), M-75 grenade launchers(40-mm), NTISDODXD

AD-808 293/5ST NTIS Prices: PC A03/MF A01

The Search for an Effective Riot-Control Agent-Solvent System for Large-Volume Dispersers

Edgewood Arsenal MD (401 007)

Technical rept.

AUTHOR: McNamara, Bernard P.; Vocci, Frank J.; Owens, Edmund J.; Ward, Dorothy M.; Anson, Nellie M.

D1153H1 Fld: 15B d7705

Oct 72 75p

Rept No: EA-TR-4675

Project: DA-1-W-562606-AD-22

Monitor: 18

Distribution limitation now removed.

Abstract: Pertinent data on the biological effectiveness and the toxicity of o-Chlorobenzylidene malononitrile (CS), and dibenz(b,f)(1,4) oxazepine (EA 3547), and other irritants when used in various forms on various animals and man have been assembled. The data have been analyzed with regard to the suitability of the various irritants or irritant formulations for large-volume (up to 3 gallons) riot-control spray systems.

Descriptors: (*Chemical warfare agents, Solvents), Stability, Temperature, Solubility, Analysis of variance, Concentration (Chemistry), Permissible dosage, Organic solvents, Distribution, Water, Powders, Physical properties, Chemical properties, Molecular structure, Chemical bonds, Pharmacology

Identifiers: Cn agents, Cs agent 1, *Cr agents, Glycol/propylene, *Ea agent 3547, Large volume dispersers, Xm-33 riot control devices, Tof agent simulant, *Riot control agents, Phosphate/trioctyl, Oxazepine/dibenz(B-f)-1-4, M-33 riot control devices, Malononitrile/chlorobenzylidene, Lvd(Large volume, NTISDODXD

AD-523 136/OST NTIS Prices: PC A04/MF A01

Engineering Development of Multipoint Source CS Clusters: Canister Cluster, Riot Control Agent: CS, XM15; and Canister Cluster Assembly, Riot Control Agent: CS, XM165

Edgewood Arsenal Aberdeen Proving Ground MD (401 007)

Final summary rept. Jan 66-Oct 72

AUTHOR: Carter, John N.; Pribyl, William J.

C7361A3 Fld: 15B, 19B d7622

Sep 73 24p

Rept No: EA-TR-4791, ED-TR-73002

Project: DA-1-B-564609-DF-96, DA-1-B-54360-D-431

Monitor: 18

Distribution limitation now removed.

Abstract: The development program described in this final report was established by a Department of the Army, Small Development Requirement, to provide an interim, tactical, multipoint source, CS Munition for employment from Army aircraft, both fixed and rotary wing. The munition would provide area coverage with an effective (intolerable) concentration of agent CS to reduce an unmasked enemy's operational capability. The munition would also be employed in operations in a counterinsurgency environment.

Descriptors: (*Bomblets, *Cs agents), Bomb clusters, Aircraft ammunition, External stores, Army aircraft, Area coverage, Dosage, Counterinsurgency, Distribution, Time delay fuzes, Incapacitating agents, Aerosols, Staging, Electrostatics, Safety, Plastics, Bomb cases

Identifiers: Dispensers, Modular construction, Weapons, M-16 canisters, M-721 fuzes, Riot control, Riot control agents, NTISDODXD

AD-913 368/7ST NTIS Prices: PC\$3.50/MF\$3.00

Subversive Aspects of Civil Disturbances Which Threaten the National Security

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Bavetta, Pellegrino P.

C7003J4 FLD: 15G, 5D, 74G, 91I, 92 GRAI7619

3 Nov 76 22p

MONITOR: 18

ABSTRACT: Civil disturbances are occurring with greater frequency and increased violence. Causes and disorder reveal a pattern of active participation by members of subversive groups who create or prolong the violence and confrontation. Militant forces in our cities and colleges are openly advocating the destruction of the existing establishment. The national security is threatened by the violence and demands of militant students who are against everything of a military nature. The time has arrived for the enactment of stronger laws, initiation of new social and economic reforms, and the taking of positive action against all subversive groups. (Author)

DESCRIPTORS: *Military reserves, *Army, *Civil disturbances, Subversion, Urban areas, Universities, Law enforcement, Disorder

IDENTIFIERS: Militant forces, Social reform, NTISDODXA

AD-A026 926/6ST NTIS Prices: PC\$3.50/MF\$2.25

United States Naval Operations in Low Level Warfare. Volume I. Summary and Main Tasks

Bendix Corp Ann Arbor Mich Aerospace Systems Div (402 043)

Final rept. Jun 66-Dec 68

AUTHOR: Cady, Richard H., Prince, William G., Tidwell, Karen S., Pearson, Frederick G., Mogdis, Franz J.

C6803G2 FLD: 15G, 5p GRAI7616

Dec 68 181

REPT NO: BSR-2453-Vol-1

CONTRACT: N00014-66-C-0262

PROJECT: NR-274-080

MONITOR: 18

Supplement to Rept. no. BSR-2198 dated Sep 67, AD-502 042L. See also Volume 2, AD-864 490L.

Distribution limitation now removed.

ABSTRACT: The concept of low-level warfare is tested empirically by a factor analysis of 37 attributes on 309 politically significant violent conflicts, 1944-1966. Data on U. S. Navy operations in 94 conflicts, indexed by 52 attributes, were also factor analyzed. Major power interaction with less-developed countries (76 attributes, 90 countries) was also studied for the years 1959, 1961, 1963, 1965. The results of these three analyses provide: (1) major orthogonal dimensions of variation, indexing variables, and factor scores of conflicts, Navy operations and great power influence. Conclusions are drawn on the concept of 'low-level' warfare and Navy roles and missions in it. Also included are essays on national security planning for low-level warfare, U.S. Navy civic action, and quantitative research on politically significant violent conflict. Data-making procedures and technical details on the factor analyses are in Volume II. (Author)

DESCRIPTORS: (*Naval operations, *Limited war), Cold war, Threat evaluation, War potential, Insurgency, Guerrilla warfare, Military strategy, Tactical warfare, Foreign policy, Government (Foreign), Communists, National defense, Planning, Factor analysis, Fleets (Ships), Naval vessels, Naval vessels, Deployment, Economics, Political science, United states government, Military requirements

IDENTIFIERS: Civil affairs, Civil disturbances, Emerging nations, Foreign trade, NTISDODXD

AD-864 489/OST NTIS Prices: PC\$7.50/MF\$2.25

United States Naval Operations in Low Level Warfare. Volume II.
Appendices

Bendix Corp Ann Arbor Mich Aerospace Systems Div (402 043)

Final rept. Jul 66-Dec 68

AUTHOR: Cady, Richard H., Prince, William G., Tidwell, Karen S.,
Pearson, Frederick G., Mogdis, Franz J.

C6803G3 FLD: 15G, 5D GRAI7616

Dec 68 313p

REPT NO: BSR-2453-Vol-2

CONTRACT: N00014-66-C-0262

PROJECT: NR-274-080

MONITOR: 18

See also AD-502 042L and Volume 1, AD-864 489L.

Distribution limitation now removed.

ABSTRACT: This volume contains supplementary materials to the study of U.S. naval operations in low-level warfare. Appendix A explains the data-making procedures and supplies enough information on data-card formats so that the estimated 4250 data cards produced in the study can be used in subsequent research. Appendix B contains a brief explanation of the factor analytic procedures and contains reproductions of the principle outputs interpreted in Volume I. Appendix C, in response to Task IV of the second phase of the contract, provides systematic abstracts of relevant conflict research and is the basis for Section VI of Volume I of this report. Appendix D addresses some of the non-combat aspects of U. S. operation in low-level warfare and is reported because of its minor role in the second phase of the study. Appendix E is a careful selection of documentary sources used and has its greatest value as a guide to those who might wish to verify or replicate this study or to perform related work. (Author)

DESCRIPTORS: (*Naval operations, *Limited war), Factor analysis, Government(Foreign), War potential, Threat evaluation, Political science, Education, Military organizations, Insurgency, Covert operations, Sabotage, Economics, Data, Geography, Communists

IDENTIFIERS: Civil affairs, Civil disturbances, Emerging nations, NTISDODXD

AD-864 490/8ST NTIS Prices: PC\$9.75/MF\$2.25

Weapon Performance Testing and Analysis: The MODI-PAC Round, the
Number 4 Lead-Shot Round, and the Flying Baton

Human Engineering Lab Aberdeen Proving Ground Md (172850)

Final rept.

AUTHOR: Thein, Brenda K., Egner, Donald O., Shank, Ellsworth B.

C6062F4 FLD: 19A, 79, 91C GRAI7608

Jan 76 39p

REPT NO: HEL-TM-4

MONITOR: 18

ABSTRACT: The primary purpose of this report is the presentation of performance data for the three items tested; namely, the MODI-PAC, the No. 4 lead-shot round, and an experimental item, the Flying Baton. These items were tested as a first step in determining their potential as less-lethal weapons. (Author)

DESCRIPTORS: *Kinetic energy projectiles, *Small arms ammunition, *Law enforcement, *Antipersonnel ammunition, Firing tests (Ordnance), Dispersions, Comparison, Ricochet, Range (Distance), Velocity, Impact, Yaw, Accuracy, Lethality, Police, Performance (Engineering), Riot control

IDENTIFIERS: MODI-PAC ammunition, Flying Baton ammunition, Lead shot no. 4 ammunition, Cal .38 ammunition, Less lethal weapons, NTISDODXA, NTISDODA

AD-A020 842/1ST NTIS Prices: PC\$4.00/MF\$2.25

Modeling for Less-Lethal Electrical Devices

Human Engineering Lab Aberdeen Proving Ground Md (172850)

Final rept.

AUTHOR: Egner, Donald O., Shank, Ellsworth B.

C5975D2 PLD: 15C, 79, 49 GRAT7607

Jan 76 25p

REPT NO: HEL-TM-3-76

MONITOR: 18

ABSTRACT: The advantages of electrical less-lethal weapons are discussed along with the general less-lethal weapon evaluation model. The basic electrical parameters of voltage, current, power and frequency are discussed. General data is developed relative to the physiological responses. A parameter termed as no-let-go current is considered and data values are presented to provide limits for both desirable and undesirable usage effects. These effects are discussed in some detail and related to application for a 50 kilogram man. Information required for utilization with the general less-lethal weapons evaluation model is assembled where feasible. Finally, two existing electrical less-lethal weapons are briefly discussed and their prime characteristics noted. (Author)

DESCRIPTORS: *Weapon systems, *Shock, *Electrical equipment, Lethality, Riot control agents, Models, Skin(Anatomy), Weight, Electric current, Voltage, Power

IDENTIFIERS: *Electrical shock, *Electrical weapons, *Less lethal weapons, Taser weapons, Shock batons, NTISDODXA, NTISDODA, NTISJDLEAA

AD-A020 477/6ST NTIS Prices: PC\$3.50/MF\$2.25

Civil Disturbance Control System Engineering Development Program

General Motors Corp Goleta Calif Delco Electronics Div*Edgewood
Arsenal, Aberdeen Proving Ground, Md. (406400)

Final rept. Jul 74-Sep 75

AUTHOR: Peterson, R. S., Chabot, D. H.

C5823B3 FLD: 19A, 19G, 5K, 79A, 79H, 92C, 91I GFAI7605

Oct 75 69p

REPT NO: R75-88

CONTRACT: DAAA15-74-C-0262

PROJECT: DA-1-W-664608-D-566, PRON-M1-4-40550-01-P4-F4

MONITOR: 18

ABSTRACT: Non-lethal weapons to control civil disturbances have had inherent limitations in their attempt to be non-lethal. A ringed air foil rubber projectile combines the benefits of a large effective impact area with good flight characteristics at relatively low velocity over an extended range. Such a projectile was used as a basis for an operational system that would provide a non-lethal weapon for control of civil disturbances or riots. The final system met all requirements that were initially established except for launcher cycle life. The life of the non-metallic keys that are fastened to the launcher cup to provide projectile rotation fell 30% short of the required 500 cycles. The investigations included a launcher impact system, projectile banding requirements, material for rotation of a launcher cup, a method of carrying and loading projectiles, and a system for stopping a bullet within the launcher.

DESCRIPTORS: *Civil disturbances, *Riot control, Weapons, Projectiles, Launchers, Firing tests(Ordnance), Requirements, Rubber

IDENTIFIERS: *Nonlethal weapons, NTISDODA

AD-A019 008/2ST NTIS Prices: PC\$4.50/MF\$2.25

The Comparative Toxicity of Heated and Unheated 1%CR in Propylene Glycol/Water (80/20)

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Technical rept. Oct 74-Feb 75

AUTHOR: Biskup, Ronald K., Malloy, John C., Manthei, James H., Wiles, Joseph S.

C5643A2 FLD: 6T, 15B, 57Y, 74D, 91I GRAI7602

Nov 75 13p

REPT NO: EB-TR-75064

PROJECT: DA-1-W-662619-AD-22

MONITOR: 18

See also report dated May 75, AD-A010 282.

ABSTRACT: The contents of riot control devices that are carried in vehicles in summer weather can reach temperatures as high as 150F. The purpose of this study was to determine if the irritancy of 1%CR in propylene glycol/water increases when the solution is warm. Rabbits were dosed acutely by the intratracheal, ocular, and cutaneous routes and chronically by the ocular and cutaneous routes with heated and unheated 1%CR in propylene glycol/water and propylene glycol/water alone, and the effects were noted. There were no differences in local toxicological effects of unheated and heated 1%CR in propylene glycol/water (80/20) and no signs of systemic toxicity in any of the animals. The data indicate no increases in the irritant properties of the heated solution.

DESCRIPTORS: *Riot control agents, Heating, Irritant compounds, Toxicity, Nitrogen heterocyclic compounds, Oxygen heterocyclic compounds, Hazards, Bioassay, Rabbits, Laboratory animals, Skin(Anatomy), Eye, Trachea

IDENTIFIERS: Dibenzoxazepine, NTISDODA

AD-A017 958/OST NTIS Prices: PC\$3.50/MF\$2.25

Toxicological Assessment of Riot Control Spray Devices and Fillings
Edgewood Arsenal Aberdeen Proving Ground Md. (401007)

Technical rept. Oct 67-Jul 69

AUTHOR: Weimer, John T., Owens, Edmund J., McNamara, Bernard P.,
Merkey, Ronald P., Olson, John S.

C5592J2 FLD: 6T, 60, 5K, 57Y, 57O, 57Q, 91I GRAI7601

Oct 75 41

REPT NO: EB-TR-75047

PROJECT: DA-1-W-662619-AD-22

MONITOR: 18

ABSTRACT: In the search for effective but nonhazardous riot control devices, both commercial items which contained chloroacetophenone (CN) and locally prepared formulations which contained o-chlorobenzylidene malonitrile (CS) have been studied. Their effects on the eyes, skin, and trachea of animals and on human skin have been assessed and the different formulations compared. The commercial items were the MK IV Chemical Mace and the Federal Streamer No. 280; the locally prepared formulations were CS in trioctylphosphate (TOF), CS in polyethylene glycol (PEG 200), and CS in propylene glycol. It was found that the Federal Streamer No. 280 and the MK IV Chemical Mace had similar effects on the eyes and skin of rabbits and monkeys, and on the trachea and lungs of dogs. They produced opacity of the cornea, severe tracheitis, and pseudomembrane formation. CS/TOF did not have these effects. CS/PEG 200 had minimal ocular effects. CS/propylene glycol, tested only by tracheal intubation, had no effects. Both the Federal Streamer No. 280 formulation and CS/TOF produced marked cutaneous reactions when applied to cloth patches taped to the clipped backs of rabbits. All three formulations produced necrosis when applied to the bare skin of rabbits.

DESCRIPTORS: *Toxicology, *Riot control agents, Glycols, Fluorohydrocarbons, Bioassay, Humans, Chemical agents, Skin (Anatomy), Eye, Trachea, CS agents, Incapacitating agents, Tear gas, Dispensers, Laboratory animals, Experimental data, Physiological effects, Monkeys, Rabbits, Dogs, Body temperature, Dosage, Toxicity, Pathology, Pharmacology, Kerosene, Stability

IDENTIFIERS: *Malonitrile/2-chlorobenzylidene, *Acetophenone/2-chloro, Mace agent, Dioxanes, Etane/trichloro, NTISDODA

AD-A017 562/0ST NTIS Prices: PC\$4.00/MF\$2.25

Standard Scenarios for the Less-Lethal Weapons Evaluation Model

Human Engineering Lab Aberdeen Proving Ground Md (172850)

Final rept. Mar 74-Mar 75

AUTHOR: Egner, Donald O., Williams, Larry W.
C5523L4 FLD: 5D, 91C, 92C, 91I GRAI7526

Aug 75 42p

REPT NO: HEL-TM-20-75

MONITOR: 18

ABSTRACT: This report presents work done in developing standard scenarios of law-enforcement situations for utilization in a previously developed model for the evaluation of less-lethal weapons. Particular emphasis in this report is on prison-type scenarios. This work was performed for the Law Enforcement Assistance Administration, Department of Justice. (Author)

DESCRIPTORS: *Law enforcement, *Weapons, Weapons effects, Lethality, Riot control, Prisoners, Prisons, Police, Behavioral science, Incapacitation

IDENTIFIERS: *Nonlethal weapons, Scenarios, NTISDODXA, NTISDODA, NTISJDLEAA

AD-A016 869/OST NTIS Prices: PC\$3.75/MF\$2.25

Testing and Evaluation of Chemical Weapons

Human Engineering Lab Aberdeen Proving Ground Md (172850)

Final rept.

AUTHOR: Egner, Donald O., Campbell, Donald

C5523L3 FLD: 15B, 91I, 92C GRAI7526

Aug 75 39p

REPT NO: HEL-TM-21-75

MONITOR: 18

ABSTRACT: Representative chemical-riot-control-agent dispersing devices were selected and tested to obtain results that could guide further development of the effectiveness models for chemical less-lethal devices. Testing techniques and results obtained are discussed. (Author)

DESCRIPTORS: *Chemical ordnance, *Riot control agents, *Nonlethal agents, Test methods, Weapons, Projectors(Ordnance), Grenades, Chemical projectiles, Human factors engineering, Experimental data

IDENTIFIERS: NTISDODXA, NTISDODA, NTISJDLEAA

AD-A016 868/2ST NTIS Prices: PC\$3.75/MF\$2.25

Annual Report (62nd) of the Chief, National Guard Bureau for the Fiscal Year 1968

National Guard Bureau (Army) Washington D C (409411)

C5503E4 FLD: 15G GRAI7526

30 Jun 68 92p

MONITOR: 18

See also AD-A016 359 and AD-A016 361.

ABSTRACT: The report briefly presents the accomplishments of the National Guard and Air National Guard for the year 1968.

DESCRIPTORS: *National Guard, *Joint military activities, Mobilization, Civil disturbances, Combat areas, Combat readiness, Military training, Logistics, Airmobile operations

IDENTIFIERS: *Air National Guard, NTISDODSD

AD-A016 360/OST NTIS Prices: PC\$4.75/MF\$2.25

Annual Report (63rd) of the Chief, National Guard Bureau for the
Fiscal Year 1969

National Guard Bureau (Army) Washington D C (409411)

C5503F1 FLD: 15G GRAI7526

30 Jun 69 99p

MONITOR: 18

See also AD-A106 360 and AD-A016 362.

ABSTRACT: The report briefly presents the accomplishments of the
National Guard and Air National Guard for the year of 1969.

DESCRIPTORS: *National Guard, *Joint military activities, Military
personnel, Mobilization, Logistics, Civil engineering, Civil
disturbances, Air defense, Mission profiles

IDENTIFIERS: *Air National Guard, NTISDODSD

AD-A016 361/8ST NTIS Prices: PC\$4.75/MF\$2.25

Advanced Development, XM-742 Soft RAG Projectile

Remington Arms Co Inc Bridgeport Conn*Edgewood Arsenal, Md. (301600)

Final rept.

AUTHOR: Misevich, K. W., Scanlon, J. J., Jackson, C. L., Carriere, M. M., Gardner, J. S.

C5372I4 FLD: 19A, 15C, 79A, 92C GRAI7524

May 75 114p

REPT NO: AB-75-2

CONTRACT: DAAA15-74-C-0221

MONITOR: 18

ABSTRACT: This report covers work carried out on the Advanced Development Phase of a non-hazardous ring airfoil grenade (RAG) projectile. The feasibility of the RAG projectile was proven by Edgewood Arsenal and carried through the experimental development phase by Remington Arms Company, Incorporated. The Ring Airfoil Grenade (RAG) shape has aerodynamic properties which provide a relatively stable low trajectory flight. When made of a soft material and filled with a riot control agent, it is capable of providing a long-range delivery method that is kinetically non-hazardous. This report describes the work which was carried out at Remington Arms Company, Inc., from May 15, 1974 to February 28, 1975, to develop prototype production equipment.

DESCRIPTORS: *Riot control, *Projectiles, Nonlethal agents, Polyurethane resins, Dispersing, Firing tests (Ordnance), Antipersonnel weapons, Fabrication

IDENTIFIERS: Ring airfoil grenades, M-742 projectiles, XM-742 projectiles, NTISDODA

AD-A015 571/3ST NTIS Prices: PC\$5.25/MF\$2.25

Design Study for Soft RAG Projectile

Remington Arms Co Inc Bridgeport Conn*Edgewood Arsenal, Md. (301600)

Final rept.

AUTHOR: Misevich, Kenneth W.

C5354L3 FLD: 19A, 15C, 79A, 92C GRAI7524

Jan 74 91p

REPT NO: AB-63-4

CONTRACT: DAAA15-73-C-0047

MONITOR: 18

ABSTRACT: The work described in this report is a continuation of the development of a non-hazardous ring airfoil projectile proven feasible by Edgewood Arsenal. The Ring Airfoil Grenade (RAG) shape has aerodynamic properties which provide a relatively stable low trajectory flight. When made of a soft material and filled with a riot control agent it is capable of providing a long range delivery method that is kinetically non-hazardous. This Soft RAG Projectile (SRP) and its associated launching system are the subject of this development program. The original statement of work was essentially the development of the Soft RAG Projectile and manufacturing process to meet the desired performance specifications and the design of prototype launchers to deliver the projectile appropriately.

DESCRIPTORS: *Riot control, *Projectiles, Nonlethal agents, Polyurethane resins, Dispersing, Firing tests (Ordnance), Antipersonnel weapons

IDENTIFIERS: Ring airfoil grenades, NTISDODA

AD-A015 195/1ST NTIS Prices: PC\$4.75/MF\$2.25

Annual Report for Fiscal Year 1973-1974 of the Chief, National Guard Bureau

National Guard Bureau (Army) Washington D C (409411)
C5285H3 FLD: 15C, 15G, 74G GRAI7523
1974 224p
MONITOR: 18

ABSTRACT: The report covers a continued period of force and equipment modernization in both the Army and Air National Guard and reflects the surge of events underlying the stated governmental policy of increased reliance on Guard and Reserve forces.

DESCRIPTORS: *National Guard, Military reserves, Infantry, Brigade level organizations, Army aircraft, Helicopters, Fighter aircraft, Tactical aircraft, Civil disturbances, Civil affairs

IDENTIFIERS: NTISDODSD

AD-A014 676/1ST NTIS Prices: PC\$7.25/MF\$2.25

Nose Ogive for Nonlethal Projectile

Department of the Army Washington D C (109900)

Patent

AUTHOR: Royer, Thurber W.

C5162F3 FLD: 19A, 90 GRAI7521

Filed 25 May 71, patented 15 May 73 6p

REPT NO: PAT-APPL-146 767, PATENT-3 732 821

MONITOR: 18

Government-owned invention available for licensing. Copy of patent available Commissioner of Patents, Washington, D.C. 20231 \$0.50.

ABSTRACT: The patent relates to a munition assembly comprising a primer, propellant, fuze, chemical agents positioned in a cartridge case and projectile. The projectile is fitted with a non-destructable polymeric impact-attenuating nose unit. The nose unit is designed to absorb the kinetic energy in the projectile to reducing the lethal potential of the projectile when fired and physically contacting personnel.

DESCRIPTORS: *Riot control, *Projectiles, *Patents, Projectile caps, Polymers, Frangible, Energy absorbers

IDENTIFIERS: PAT-CL-102-41, NTISGPA

AD-D000 927/4ST NTIS Price: Not available NTIS

What the US Army Should Do About Urban Guerrilla Warfare

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Lopez, Vincent C.

C5005J3 FLD: 15G, 74G, 91I USGRDR7519

5 Jun 75 38p

MONITOR: 18

ABSTRACT: This paper is addressed to the problem of what the US Army should do about urban guerrilla warfare. It concentrates on strategy and broad principles. It discusses some observations on and theories of guerrilla warfare, the urban environment, definition of and conditions for urban guerrilla warfare, strategic goals, operational objectives and military characteristics and typology of the urban guerrilla movement, phases of urban guerrilla war, converse strategic goals, operational objectives and policies of government engaged in stability operations. It suggests the possibility of strategic urban guerrilla warfare as a form of war. It discusses legal and doctrinal considerations for the US Army and the possible US Army roles in urban stability operations and strategic guerrilla warfare. It concludes: that the US Army should develop strategic and tactical doctrine for the conduct of urban stability operations; that the US Army Institute for Military Assistance be assigned the task of developing doctrine and training for urban guerrilla warfare; that a type US Army organization be developed for employment in urban stability operations; that said doctrine and training programs stress education and training in the behavioral sciences; that a US Army manual be published on urban guerrilla warfare; and that the role of the US Army in strategic urban guerrilla warfare be studied further. (Author)

DESCRIPTORS: *Guerrilla warfare, *Army operations, *Urban areas, Civil disturbances, Military tactics, Doctrine, Army training, Behavioral science, Education, Military requirements, Civilian population, Sabotage, Insurgency, Countermeasures, Policies

IDENTIFIERS: *Urban guerrilla warfare, NTISDODKA, NTISDODA

AD-A012 619/3ST NTIS Prices: PC\$3.75/MF\$2.25

High Technology Terrorism and Surrogate War: The Impact of New
Technology on Low-Level Violence

Rand Corp Santa Monica Calif (296600)

AUTHOR: Jenkins, Brian Michael

C4832G4 FLD: 15G, 74G USGRDR7516

Jan 75 28p

REPT NO: P-5339

MONITOR: 18

ABSTRACT: The author examines the impact of technological developments on low-level violence. He examines the topic in somewhat broader terms, looks at current trends in technology, both military and civilian, and what they could mean in the long run to guerrillas and terrorists, and also what they could mean for society. The author, argues that due largely to technological developments modern guerrilla and terrorist groups are being afforded a growing capacity for disruption and destruction. The support of terrorists by any nation or group of nations in turn will further increase the terrorists' capacity for violence. It may also prevent effective international cooperation aimed at controlling international terrorism.

DESCRIPTORS: *Terrorism, *Insurgency, Guerrilla warfare, Weapons, Technology, Sociology, International relations, Threat evaluation, Nuclear power plants, Urban areas, Unconventional warfare

IDENTIFIERS: International terrorism, Urban warfare, Nuclear blackmail, *Surrogate war, NTISDODSD

AD-A010 982/7ST NTIS Prices: PC\$3.75/MF\$2.25

Toxicity of 1% CR in Propylene Glycol/Water (80/20)

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Technical rept. Jun-Aug 73

AUTHOR: Biskup, Ronald K., Swentzel, K. Clark, Lochner, Michael A., Fairchild, David G.

C4761E4 FLD: 6T, 15B, 57Y, 74D USGRDR7515

May 75 17p

REPT NO: EB-TR-75009

PROJECT: DA-1-W-564609-D-638

TASK: 1-W-564609-D-63804

MONITOR: 18

ABSTRACT: Based on toxicity studies conducted earlier, the Surgeon General approved a formulation of 1% CR (dibenz(b,f)(1,4) oxazepine, EA 3547) in 100% propylene glycol (PG) for use in large-volume riot control agent dispersers. However, satisfactory dispersion at low temperatures was not achieved regardless of orifice or nozzle size. Water was therefore incorporated into the solvent system to facilitate dispersion. The present study was designed to compare the relative hazard of the eye, skin, and intratracheal effects of 1% CR in 80% PG and 20% water with that of 1% CR in 100% PG. It was found that the local toxic effects of freshly prepared and aged (7 months) solutions of 1% CR in PG/H₂O (80/20) on the eyes and skin of rabbits and the lungs of dogs are comparable to those reported for 1% CR in 100% PG. Viscosities and spectral analysis showed that the 1% CR solution and the PG/H₂O solvent are stable at 4 and 25C during an 11-month storage period. On the basis of these chemical and biological tests, the proposed mixture containing 20% water is as safe as the previously approved 1% CR in PG.

DESCRIPTORS: *Riot control agents, Toxicity, Nitrogen heterocyclic compounds, Oxygen heterocyclic compounds, Hazards, Bioassay, Laboratory animals

IDENTIFIERS: *Dibenzoxazepine, NTISDODA

AD-A010 282/2ST NTIS Prices: PC\$3.25/MF\$2.25

Safety Criteria for Processing, Handling, and Decontamination of Agent
CS

Army Materiel Command Alexandria Va (039150)

Safety regulation.

C4544I4 FLD: 6J, 13B, 15B, 68C, 74D, 99 USGRDR7512

10 Dec 68 21p

REPT NO: AMCR-385-104

MONITOR: 18

Supersedes Rept. no. AMCR-387-237 dated 1 Feb 61.

ABSTRACT: The report contains information about the properties and effects of agents CS, symptoms of exposure and first aid methods. It also outlines minimum requirements for safe methods, procedures, and equipment which will be used for handling, processing, decontamination, and disposal of CS or CS filled items.

DESCRIPTORS: *CS agents, *Safety, Storage, Industrial hygiene, Protective clothing, Protective masks, Decontamination, Waste disposal, Transportation, Handling, First aid, Physical properties, Dispersing

IDENTIFIERS: Liquid waste disposal, *Riot control agents, NTISDQDA

AD-A007 931/9ST NTIS Prices: PC\$3.25/MF\$2.25

Cities in Trouble: An Agenda for Urban Research

Rand Corp Santa Monica Calif (296600)

Memorandum rept.

AUTHOR: Pascal, Anthony H., Genensky, S. M., Johnson, W. A., Loveday, D. F., Lowry, I. S.

C4495L1 FLD: 5K, 13B USGRDR7511

Aug 68 166p

REPT NO: RM-5603-RC

MONITOR: 18

Availability: Paper copy available from Rand Corp. 1700 Main Street, Santa Monica, Calif. 90406. PC\$7.00.

ABSTRACT: ;Contents: Housing; Urban education; Manpower training; Public assistance; Public order; Health services.

DESCRIPTORS: *Urban planning, *Meetings, Housing (Dwellings), Buildings, Social welfare, Public health, Medical services, Manpower, Employment, Civil disturbances

IDENTIFIERS: NTISDODSD

AD-A007 807/1ST NTIS Price: Not available NTIS

Impact Hazards of the Water Ball

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Technical rept. May-Dec 72

AUTHOR: Mickiewicz, Alexander P., Lewis, James H., Clare, Victor R.
C4283L2 FLD: 6U, 15C, 570, 91I USGRDR7508

Feb 75 24p

REPT NO: EB-TR-74090

PROJECT: DA-1-J-562604-A-607

TASK: 1-J-562604-A-60703

MONITOR: 18

ABSTRACT: The study was done to determine areas of potential damage hazard as a function of range, velocity, and available energy from impacts by the 'water ball,' a proposed riot control device. The initial phase of testing established an average velocity decay curve, whereas the major portion of the tests involved shooting human head models and live experimental animals with water balls over a wide range of impact velocities. Levels were determined at which damage to the targets would occur and where it would cease. These levels were then applied to the velocity decay curve to determine the zones of range-related hazard for each of the targets.

DESCRIPTORS: *Riot control agents, Goats, Humans, Impact, Velocity, Head(Anatomy), Models, Targets, Hazards, Lung, Liver

IDENTIFIERS: *water balls, NTISDODA

AD/A-005 612/7ST NTIS Prices: PC\$3.25/MF\$2.25

Behavior and Psychology as Related to Law Enforcement and Criminology
(A Bibliography with Abstracts)

National Technical Information Service, Springfield, Va.

Rept. for 1964-Oct. 1974

AUTHOR: Lehmann, Edward J.

C4225F4 FLD: 05K, 05J, 91C*, 92B, 86W USGRDR7507

Jan 75 108p*

MONITOR: 18

ABSTRACT: Presented are studies on various aspects of the behavior and psychology of criminals, police, juvenile delinquents, rioters, and prisoners. Some of the specific topics covered in the 103 abstracts include social psychology, criminal psychology and behavior, behavior connected with illegal drugs, public psychology, and group behavior in prisons and riot situations.

DESCRIPTORS: *Crimes, *Bibliographies, *Psychology, *Human behavior, *Criminal psychology, Criminology, Group psychology, Interpersonal relations, Behavior disorders, Law enforcement, Family relations, Criminal justice, Attitudes, Police, Personality, Juvenile delinquency, Group dynamics

IDENTIFIERS: Collective violence, Riots, NTISNTIS

NTIS/PS-75/056/2ST NTIS Prices: PC\$25.00/MF\$25.00

Portable Ballistic Shields. Law Enforcement Standards Program

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

C4171I3 FLD: 05I, 19D, 91C USGRDR7506

9 Dec 74 13p

REPT NO: NILE/CJ-STD-0103.00

MONITOR: 18

Paper copy available GPO.

ABSTRACT: The document presents performance requirements and a method of testing the ballistic resistance of portable ballistic shields intended for protection against gunfire. Three types of shields are classified against the threats of .22 LR- .38 Special, .41 Magnum, and .30 Carbine ammunition, and the protection afforded by each shield is summarized in a table covering fourteen types of ammunition ranging from .22 calibre to 12 gauge rifle slugs. Test summaries are provided along with an illustration of a ballistic penetration test setup. Purchasing agents can use the test methods described to determine, firsthand, whether a particular equipment item meets the requirements of the standard, or they may have the tests conducted on their behalf by a qualified testing laboratory.

DESCRIPTORS: *Police, *Body armor, *Performance standards, Ballistics, Portable equipment, Tests, Law enforcement, Requirements, Small arms, Criminology

IDENTIFIERS: *Police equipment, Riot shields, *Ballistic shields, Gunfire protection, NTISJDLEAA

PB-238 604/3ST NTIS Prices: PC-GPO/MF\$2.25-NTIS

Field Test of an Experimental Bracketing Sight for the 12-Gage Riot Shotgun

Naval Postgraduate School Monterey Calif (251450)

Master's thesis

AUTHOR: Read, Richard Duane

C4122F1 FLD: 19F, 79G USGRDR7506

Sep 74 76p

MONITOR: 18

ABSTRACT: A field experiment was conducted to determine whether a circular bracketing sight mounted on a standard M12 12-gage riot shotgun could enhance the effectiveness of the weapon by reducing shot-pattern radial miss distance and increase the number of pellet hits on target in a short-range, quick-reaction environment against a stationary target. Circular bracketing sights of 1.232 and 2.464 inches in diameter were used.

DESCRIPTORS: *Riot control, *Shotguns, *Gun sights, Sights, Rings, Fire control systems, Firing tests(Ordnance), Theses

IDENTIFIERS: M-12 guns, NTISDODN

AD/A-003 520/4ST NTIS Prices: PC\$4.75/MF\$2.25

Less Lethal Liquid Ball

Army Land Warfare Lab Aberdeen Proving Ground Md. (038950)

Final rept.

AUTHOR: Sarvis, John W.

C4072A1 FLD: 19A, 79A USGRDR7505

May 74 191p

REPT NO: LWL-TR-74-18

PROJECT: LWL-02-F-73

MONITOR: 18

ABSTRACT: Three sizes of liquid-filled balls were tested for various ballistic characteristics to determine the best size for potential use as a less lethal munition. Test results and drawings or photographs are presented.

DESCRIPTORS: *Antipersonnel ammunition, *Nonlethal agents, *Liquids, Firing tests (Ordnance), Antipersonnel effects, Riot control agents, Sabot projectiles

IDENTIFIERS: *Liquid ball ammunition, Civil disturbances, NTISDODA

AD/A-003 221/9ST NTIS Prices: PC\$7.00/MF\$2.25

The Rock and the Hard Place Use of Force by ARNG in Civil Disturbance Operations

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Johnson, Ronald R.

C4071H4 FLD: 5K, 74 USGRDR7505

21 Oct 74 28p.

MONITOR: 18

ABSTRACT: The history of National Guard involvement in the control of civil disturbance is reviewed with emphasis of those incidents which contributed to demands for legal restraint on their use of force in such operations. The development of the present judge made law and of current policies requiring 'minimum force' in control of civil disorders is followed by an explanation of the dilemma facing guardsmen as a result of that concept. The acceptance and understanding of the doctrine of minimum force and of the willingness of guardsmen to use force when necessary to carry out their mission in this legal environment is measured by primarily subjective means. Problems encountered in training and suggestions for continued effective training conclude the essay.

DESCRIPTORS: *Civil disturbances, *Control, *Army personnel, Law enforcement, Policies, Mission profiles, Training

IDENTIFIERS: *National Guard, NTISDODA

AD/A-003 204/5ST NTIS Prices: PC\$3.75/MF\$2.25

Urban Insurrection: The Time Frame Factor for Military Intervention in
a Counterinsurgent Environment

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Dubbin, Sidney M.

C4023D4 FLD: 15G, 5D, 74G USGRDR7504

21 Oct 74 28p

MONITOR: 18

ABSTRACT: The violent polarization of political forces between revolution and reaction has spawned an intense breeding ground for the urban insurrectionist. Obviously, the complexity of the modern city makes it vulnerable to the poor man's weapons of the Molotov cocktail as against the rich man's technology. Thus far, military incursion has proven to be the most effective method of combatting the dedicated urban insurgent from the short range point of view. Examination is made as to the effects of early or belated military intervention and how the populace and target government are affected. The criteria for passive and active military intervention are examined. Recommendation is made for the organization of a single aggregate police and military intelligence center that would also function as a security operations division.

DESCRIPTORS: *Insurgency, *Urban areas, Civil disturbances, Guerrilla warfare, Latin America, Instability, Sociology, Organizations, Terrorism, Political science, Conflict, Planning, Counterinsurgency, Military applications

IDENTIFIERS: NTISDODA

AD/A-002 530/4ST NTIS Prices: PC\$3.75/MF\$2.25

Injury Potential of a Reloaded Tear Gas Pen Gun

Armed Forces Inst of Pathology Washington D C (034500)

AUTHOR: Jones, S. R., Besant-Matthews, P. E., Williams, F. J., Stahl, C. J.

C401411 FLD: 6U, 15B, 570 USGRDR7504

9 Nov 73 8p

MONITOR: 18

Presented at the Annual Meeting of the American Academy of Forensic Sciences, 20 Nov 73, Las Vegas, Nev.

Availability: Pub. in Jnl. of Forensic Sciences, v19 n4 p812-819 1974.

ABSTRACT: Injuries resulting from the discharge of conventional threaded metallic tear gas cartridges and similar devices loaded with chloroacetophenone (CN) or ortho-chlorobenzalmalonitrile (CS) have been reported recently. Wounds caused by the firing of illegal pen guns loaded with fixed metallic ammunition have also been reported. The potential of tear gas pen guns to produce serious injuries, including permanent blindness and even death, is the basis for this study. This report describes the ballistic characteristics, wounding potential, pathologic lesions, and other hazards associated with the discharge of threaded aluminum alloy tear gas cartridges reloaded so as to simulate miniature shotgun cartridges. (Author)

DESCRIPTORS: *Chemical projectiles, *Wound ballistics, Malfunctions, Chemical warfare agents, Riot control agents, CS agents, Tear gas, Cartridges, Terminal ballistics, Wounds and injuries, Threads, Grooving, Pellets, Velocity, Reprints

IDENTIFIERS: CN agent, Pen guns, Reloading, NTISDODSD

AD/A-002 355/6ST NTIS Prices: PC\$3.25/MF\$2.25

The Mexican Army and Political Order Since 1940

Rand Corp Santa Monica Calif (296600)

AUTHOR: Ronfeldt, David F.

C3972G3 FLD: 5D USGRDR7503

Sep 73 28p

REPT NO: P-5089

MONITOR: 18

ABSTRACT: The Mexican army has been extensively involved in the promotion of public order in ways that have apparently had considerable impact on local security, political, and socio-economic conditions. Moreover, army involvement in national development since 1940 has been quite constant and enduring, even though at a relatively low level compared to most Latin American militaries. The paper develops an analysis of the army's political involvement. The first section attempts to specify briefly what the army's 'residual' political roles are. The next section discusses some internal military, and external political factors that may affect changes in those roles.

DESCRIPTORS: *Political science, *Mexico, *Military forces (Foreign), Riot control, Civil disturbances, Terrorism, Conflict, Management, Government (Foreign), Stability

IDENTIFIERS: NTISDODAF

AD/A-002 186/5ST NTIS Prices: PC\$3.75/MF\$2.25

Effects of CS Agents on Vegetation. II. Field and Screening Studies

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Technical rept. Mar 72-Jun 73

AUTHOR: Morrison, Billy W., Dralle, David L., Demaree, Kenneth D.

C3852F3 FLD: 6C, 15B, 57C, 74D USGRDR7501

Aug 74 16p

REPT NO: EC-TR-74040

PROJECT: DA-662605-AD-28

TASK: 662605-AD-2802

MONITOR: 18

ABSTRACT: CS-1 applied to branches of six woody species caused greatest damage when plants were in immature foliage. Four herbaceous species grown in soil with incorporated CS-1 showed maximum seedling damage when agent applications were made within four weeks prior to planting. Greenhouse screening tests on 29 woody and 41 herbaceous species at dosages of 5.6 and 28 kg/ha showed the herbaceous group to be more susceptible to foliar damage than woody species and to exhibit a greater range of variability in effects of CS-1. Only three woody species showed foliar damage in excess of 20% from treatment at the high dosage; eight herbaceous species had greater than 50% damage at the corresponding dosage. Cereal grains and conifers appeared to be more resistant to damage than other plants tested. (Author)

DESCRIPTORS: *Vegetation, *CS agents, *Riot control agents, Plants(Botany), Damage, Toxicity, Dosage, Plant tissue, Soybeans, Cereals, Trees

IDENTIFIERS: Soybean plants, Cereal plants, Pine trees, Maple trees, Elm trees, Dogwood trees, Poplar trees, NTISDODA

AD/A-000 613/OST NTIS Prices: PC\$3.25/MF\$2.25

The Effects of External Ocular Irritation on Intraocular Pressure

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Special publication, Feb-Mar 72

AUTHOR: Rengstorff, Roy H.

C3665A1 FLD: 6E, 57E USGRDR7425

Aug 74 11p

REPT NO: EB-SP-74013

PROJECT: DA-1-W-662606-AD-22

MONITOR: 18

ABSTRACT: Riot control agents (tear gases) cause intense eye irritation and reflex squeezing of the eyes. The intraocular pressure under these circumstances is unknown, but animal and human studies of ocular irritation and forces acting upon the eye indicate a transient increase in intraocular pressure which is not necessarily detrimental to vision. (Author)

DESCRIPTORS: *Eye, *Irritants, *Riot control agents, Physiological effects, Humans, Laboratory animals, CS agents, Rabbits, Vision, Ophthalmology

IDENTIFIERS: *Intraocular pressure, NTISDODA

AD-786 513/2ST NTIS Prices: PC\$3.25/MF\$2.25

A Comparison of Various Less Lethal Projectiles

Army Land Warfare Lab Aberdeen Proving Ground Md (038950)

Final rept. Dec 71-May 74

AUTHOR: Shank, Ellsworth B., Thein, Brenda K., Campbell, Donald C.,
Wargovich, Matthew J.

C3551L1 FLD: 6U, 570 USGRDR7423

Jun 74 72p

REPT NO: LWL-TR-74-79

MONITOR: 18

ABSTRACT: The report presents an analysis of measured physiological effects resulting from impacts of several different types of allegedly less lethal projectiles. The analysis gives indications as to which projectile characteristics tend to correlate most highly with damage and which critical parts of the body are most susceptible to damage/undesirable effect from the various projectiles. In addition, some preliminary findings are given as to what characteristics tend to optimize a 'kinetic-energy' dispersal weapon. (Author)

DESCRIPTORS: *Weapons effects, *Nonlethal agents, *Projectiles,
*Antipersonnel effects, Physiological effects, Ballistics, Wounds and injuries, Tissues(Biology), Damage assessment

IDENTIFIERS: *Nonlethal projectiles, *Riot control, NTISDODA

AD-785 509/1 NTIS Prices: PC\$3.75/MF\$2.25

Line Source Smoke and Riot Control Agent Rope

Army Land Warfare Lab Aberdeen Proving Ground Md (038950)

Final rept.

AUTHOR: Buchanan, John D.

C3551K3 FLD: 5K, 19A, 79A, 91I USGRDR7423

Apr 74 40p

REPT NO: LWL-TR-74-58

PROJECT: LWL-03-F-73

MONITOR: 18

ABSTRACT: The purpose of the program was to improve the characteristics of a commercially available smoke rope to provide increased value to the US Army as a crowd control device. The smoke rope may be laid out across roads, in front of buildings or natural terrain features to produce a one shot smoke screen. The smoke screen may be inert or may contain CS or a similar control agent. A number of lines may be laid side by side so a repeatable barrier effect may be achieved. (Modified author abstract)

DESCRIPTORS: *Smoke screens, *Rope, *Riot control, Smoke generators, CS agents, Test methods, Performance(Engineering), Army research, Area denial

IDENTIFIERS: *Smoke ropes, Line source dissemination, NTISDODA

AD-785 507/5 NTIS Prices: PC\$3.25/MF\$2.25

Method and System for Personnel Control with Blinding Illumination

Department of the Army Washington D C (109900)

Patent

AUTHOR: Tyroler, Jesse F.

C3394E2 FLD: 13A, 5K, 90, 91I USGRDR7421

Filed 13 Jun 72, patented 8 May 73 5p

REPT NO: PAT-APPL-262 405, PATENT-3.732 412

MONITOR: 18

Government-owned invention available for licensing. Copy of patent available Commissioner of Patents, Washington, D.C. 20231 \$0.50.

ABSTRACT: The invention relates to a method and system for controlling unruly crowds of people by non-violent means, by using blinding illumination. The illumination includes a continuous low intensity light together with a high-intensity flashing light to temporarily, blind the human eye. Under these conditions, police equipped with optical filter means, e.g. goggles, which selectively cut out, and thereby protect their eyes against, the 'blinding' flashing light, can enter the crowd and remove individual agitators.

DESCRIPTORS: *Patents, *Illumination, *Riot control, Searchlights, Floodlights, Optical filters, Goggles, High intensity, Low intensity

IDENTIFIERS: PAT-CL-240-1-R, NTISGPA

AD-164 783/3 NTIS Price: Not available NTIS

Ballistically Operated Water Cannon

AAI Corp Baltimore Md (40 2332)

Final rept.

AUTHOR: Bruner, Don B., Monson, Franklin A.

C3313I2 FLD: 19F, 15C, 5K, 79G, 91I, 92 USGRDR7420

Jun 74 128p

CONTRACT: DAAD05-72-C-0153

PROJECT: LWL-04-M-72

MONITOR: LWL-CR-04M72A

Supplement to Final rept. dated Mar 74, AD-780 757.

ABSTRACT: A test program was conducted to determine and document the water pulse performance characteristics of the Portable Pumping System (P.P.S.) and the Ballistically-Actuated Water Cannon (B.W.C.). Dynamic testing using a pendulum, physiological testing using animal targets, accuracy test against still and moving targets and impact type tests using targets which simulated human motive characteristics were conducted to determine the terminal energy and hazard of the water pulse as a function of range. The performance characteristics of the water pulse as a function of range for total energy at impact, velocity, area of impact, dangerous and innocuous effects to humans were determined and documented. (Author)

DESCRIPTORS: *Water cannons, *Terminal ballistics, *Riot control, Pumps, Dynamic tests, Impact, Damage, Wounds and injuries, Animals, Test methods, Range (Distance)

IDENTIFIERS: NTISDODA

AD-782 843/7 NTIS Prices: PC\$4.75/MF\$2.25

Variable Velocity Projectile Launcher (Low Lethality)

AAI Corp Baltimore Md (402332)

Final rept.

AUTHOR: Zelina, R. S., Nagic, N. S.

C3245L4 FLD: 15C, 5K, 91I USGRDR7419

May 74 41p

CONTRACT: DAAND05-72-C-0292

PROJECT: LWL-07-B-72

MONITOR: LWL-CR-07B72

ABSTRACT: The report summarizes design, fabrication, and testing efforts conducted in conjunction with the development of a man-portable, variable velocity projectile launch device. The device was configured to launch one-inch diameter rubber balls (high-Q-spheres) at variable velocities designed to harass, stun or extensively damage point and area personnel targets found in typical scenarios where less lethal weapons would be employed. This would give the tactical commander a so called 'green light', 'yellow light', and 'red light' capability to cope with each scenario as it presented itself. The device is powered by a 12 volt D.C. battery and operated in single shot and semi-automatic firing modes. (Author)

DESCRIPTORS: *Civil disturbances, *Riot control, *Launchers,
Projectiles, Rubber, Lethality, Physiological effects,
Response (Biology), Structural parts

IDENTIFIERS: Design criteria, NTISDODA

AD-782 181/2 NTIS Prices: PC\$3.25/MF\$1.45

Ballistically Operated Water Cannon

AAI Corp Cockeysville Md (402203)

Final rept.

C3105J2 FLD: 13K, 5K, 94F, 92C, 91C USGRDR7417

Mar 74 46p

CONTRACT: DAAD05-72-C-0153

MONITOR: LWL-CR-04M72

ABSTRACT: The primary purpose of the program was to develop, design and establish the feasibility of a cartridge actuated pumping system that will rapidly discharge discrete quantities of water at high pressure for crowd control purposes. Subsystem investigation was conducted to optimize cartridge performance with respect to desired pump output performance and establish the overall configuration of the system. Establishment of feasibility consisted of conducting a series of tests and demonstrations to determine the functional capability of the unit. (Author)

DESCRIPTORS: *Water cannons, *Pumps, *Riot control, Cartridges (PAD), Cycles, Pumping, Water, Performance(Engineering), Efficiency, Civil disturbances, Spray nozzles, Muzzle velocity

IDENTIFIERS: NTISDODA

AD-780 757/1 NTIS Prices: PC\$3.25/MF\$1.45

Portable Pumping System

Army Land Warfare Lab Aberdeen Proving Ground Md (038950)

Final rept.

AUTHOR: McGowan, Robert P.

C3105E4 FLD: 13K, 5K, 94F, 92C, 91C USGRDR7417

May 74 13p

REPT NO: LWL-TR-74-22

PROJECT: LWL-01-M-72

MONITOR: 18

ABSTRACT: A portable pumping system was developed for use by military units to control crowds in a civil disturbance situation. The system is a skid-mounted self-contained unit which can be transported by and used on a 2 1/2-ton military cargo truck, and which can also operate independent of the truck. The water stream is effective for controlling/dispersing personnel at ranges up to 75-80 feet. The system was developed from commercial components in order to provide a capability within a short time frame. A special motor-driven ball valve was developed to automatically and continuously pulse the water stream as an optional mode of operation to conserve the water supply. Brief acceptance tests were conducted to verify system performance. The system met the required specifications, and the pulsed water stream was effective. (Author)

DESCRIPTORS: *Water cannons, *Pumps, *Riot control, Portable equipment, Valves, Cycles, Pumping, Water, Performance(Engineering), Efficiency, Civil disturbances

IDENTIFIERS: NTISDODA

AD-780 738/1 NTIS Prices: PC\$3.00/MF\$1.45

Airborne TV System

Army Land Warfare Lab Aberdeen Proving Ground Md (038950)

Final rept.

AUTHOR: Paxton, Curtis L.

C3105C3 FLD: 17B, 45C USGRDR7417

May 74 12p

REPT NO: LWL-TR-74-63

MONITOR: 18

ABSTRACT: The report describes the development and test of 10 and 100 watt television transmission systems carried by helicopter. The purpose of the project was to determine whether the system meets the support-mission requirements of PSYOP warfare, and whether it can provide communications in the event of civil disaster. Transmission of both color and black-white programming material was successfully demonstrated. Test results also indicate that the 6-mile radius of ground coverage satisfied the range requirements associated with civil disaster activity. (Author)

DESCRIPTORS: *Television systems, Airborne, Combat surveillance, Civil disturbances, Disasters, Helicopters, Feasibility studies

IDENTIFIERS: H-1 aircraft, UH-1H aircraft, NTISDODA

AD-780 729/0 NTIS Prices: PC\$3.00/MF\$1.45

Riot Control Barrier Concept Development and Feasibility Test

Army Land Warfare Lab Aberdeen Proving Ground Md. (038950)

Final rept.

AUTHOR: Gurganious, Joseph T.

C2983K1 PLD: 5K, 91I* USGRDR7415

Apr 74 41p*

REPT NO: LWL-TR-74-25

PROJECT: LWL-07-M-73

MONITOR: 18

ABSTRACT: A riot control barrier is needed to assist law enforcement personnel in holding back crowds during civil disturbances and riots. The USALWL developed the concept of a riot control barrier intended to meet that need. Prototype riot control barriers were fabricated and feasibility-tested. The test results indicated that the corrugated steel panel riot control barrier is feasible and practical for the intended purpose, and that the concept is suitable for further development into troop use items. (Author)

DESCRIPTORS: *Riot control, *Barriers, *Feasibility studies, Civil disturbances, Panels, Steel, Test methods, Acceptability

IDENTIFIERS: *Crowd control, *Corrugated metal sheets, NTISA

AD-779 390/4 NTIS Prices: PC\$3.25/MF\$1.45

A Breakthrough in Counterinsurgency

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Coughlin, Daniel A.

C2924L2 FLD: 15G, 5D USGRDR7414

26 Nov 73 21p

MONITOR: 18

ABSTRACT: Land reform has been widely and successfully used as a means of defusing rural insurgencies in a number of underdeveloped countries. Demographic changes suggest that a major problem of the future will deal with the problems of urban poverty since urbanization is a significant trend throughout the earth. Current systems of development aid, however, have done little to improve the lot of poor people. A method of capital reform which provides workers with a second income based on their ownership of the capital means of production-is submitted as worthy of US governmental funding support. The idea, untried in practice, is visualized as analogous to land reform in the countryside. (Modified author abstract)

DESCRIPTORS: *Counterinsurgency, *Rural areas, *Civil disturbances, Control, Sociology, Economics, Communism, Foreign aid, NATO, Insurgency, Urban areas, Land areas

IDENTIFIERS: Developing countries, Military assistance, Land reform, NTISA

AD-778 880/5 NTIS Prices: PC\$4.25/MFT1.45

National Guard and Federal Troops in Civil Disorders

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Kaiser, Ernest L.

C2433A1 FLD: 5K, 74 USGRDR7408

20 Dec 70 26p

MONITOR: 18

ABSTRACT: The essay studies the recent past performance of police, National Guard, and army forces in the control of the various and changing types of civil disorders. Emphasis is placed on control and coordination of the several agencies involved. New concepts are sought, to reflect the newest available techniques and equipment to minimize force while still obtaining maximum results from all elements employed. Riot control, civil disturbance operations are discussed; from control of classic riots, through handling of violent demonstrations, to the management of campus confrontations. (Author)

DESCRIPTORS: *Army personnel, *Urban areas, *Civil disturbances, Civil affairs, Police, Riot control

IDENTIFIERS: National guard, A

AD-774 230/7 NTIS Prices: PC\$4.50/MF\$1.45

Civil Disturbance - Application of Force

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Cloutier, Francis M.

C2432H1 FLD: 5K, 74 USGRDR7408

4 Sep 70 23p

MONITOR: 18

ABSTRACT: A study of civil disturbances between 1966-68 reveals wide differences with respect to the application of force by those in authority. These differences range from the application of no force in the hope that the demonstrators could be reasoned with, to the use of immediate suppressive means. The conclusion of the study is that it is the immediate show, not use, of overwhelming force that offers the greatest hope of restoring order in a minimum of time. (Author)

DESCRIPTORS: *Civil disturbances, Reviews, Riot control, Civil affairs

IDENTIFIERS: A

AD-774 210/9 NTIS Prices: PC\$4.25/MF\$1.45-

Advanced Firepower Concepts for Military Operations in Built-Up Areas.
Volume II. Technical Documentation

Ketron Inc Arlington Va (390861)

AUTHOR: Schecter, George

C2431E3 FLD: 15G, 74G USGRDR7408

28 Sep 73 412p

CONTRACT: DAAH01-72-C-1063, ARPA Order-2163

MONITOR: 18

Prepared in cooperation with Operations Research Associates, Palo Alto, Calif. See also Volume 1, AD-774 150.

ABSTRACT: The report contains 26 Technical Problem Resumes (TPR). Each TPR presents a situation and one or more events, analyzes the applications of firepower in the situation, recommends further analyses, and suggests alternative responses.

DESCRIPTORS: *Urban areas, *Warfare, *Firepower, Military tactics, Close support, Insurgency, Countermeasures, Counterinsurgency, Planning, Operations research

IDENTIFIERS: A

AD-774 151/5 NTIS Prices: PC\$23.75/MF\$1.45

Advanced Firepower Concepts for Military Operations in Built-Up Areas.
Volume I

Ketron Inc Arlington Va (390861)

Technical rept.

AUTHOR: Schechter, George

C2431E2 FLD: 15G, 74G USGRDR7408

28 Sep 73 231p

CONTRACT: DAAH01-72-C-1063, ARPA Order-2163

MONITOR: 18

Prepared in cooperation with Operations Research Associates, Palo Alto, Calif. See also Volume 2, AD-774 151.

ABSTRACT: The objective of the report is to identify the needs and evaluate system alternatives for improved firepower capabilities of military forces for operations in built-up areas overseas.

DESCRIPTORS: *Urban areas, *Warfare, *Firepower, Military tactics, Close support, Insurgency, Countermeasures, Counterinsurgency, Planning, Operations research

IDENTIFIERS: A

AD-774 150/7 NTIS Prices: PC\$14.75/MF\$1.45

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

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

Contact Sensitization to CS, A Riot Control Agent

Edgewood Arsenal Aberdeen Proving Ground Md (401007)

Technical rept. Jan 72-Feb 73

AUTHOR: Levin, Richard, Mershon, Millard M.

C1963C1 FLD: 6T, 57Y USGRDR7401

Nov 73 15p

REPT NO: EA-TR-4778, EB-TR-73023

PROJECT: DA-1-W-562606-AD-22

MONITOR: 18

ABSTRACT: The potential of the 'tear gas' ortho-chlorobenzylidene malonitrile (CS) for causing allergic contact dermatitis in individuals exposed to high concentrations was investigated. Although CS has a high sensitizing potential under experimental conditions, there is evidence that a high risk of cutaneous sensitization would not exist under more realistic conditions. The cutaneous sensitivity is specific and lasts for at least six months, and sensitive individuals can be identified by appropriate patch testing. Patch testing highly sensitive individuals can augment the severity of the skin reactions in future exposures. Due to the extensive use of CS, the possibility of developing allergic contact dermatitis must be considered in exposed individuals. (Author)

DESCRIPTORS: (*Tear gas, *Allergic diseases), (*Riot control agents, *Dermatitis), (*CS agents, Irritants), Skin, Sensitizing, Riot control, Nitriles, Irritating agents, Tests

IDENTIFIERS: Allergic skin diseases, Malonitrile/2'-chlorobenzylidene, Patch tests, A

AD-769 603/2 NTIS Prices: PC\$2.75/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 USGRDR7324

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

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

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

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 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 USGRDR7324

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 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 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

Criminal Justice Monograph. Prevention of Violence in Correctional Institutions

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

AUTHOR: Brent, Jack E., Dunbar, Walter, Flynn, Edith E., Ingraham, Barton L., Leeke, William D.

C1895L4 FLD: 5K, 91C*, 92C USGRDR7324

Jun 73 74p*

CONTRACT: LEAA-J-LEAA-021-72

MONITOR: J-LEAA-021-72-A

Paper copy also available from GPO \$0.95 as stock no. 2700-00193.

ABSTRACT: The monograph describes and analyzes conditions that lead to collective disorders in correctional facilities and suggests potential ways of alleviating those conditions. The development of tension management and organizational activism by correctional managers is suggested as preventives of disorders. The factors contributing to the Attica tragedy are analyzed and recommendations are offered for preventing similar occurrences. Behavioral science theory and empirical data on prison riots are used to examine sources of collective violence in correctional institutions. The provision of legal remedies to resolve inmate grievances is criticized as a potential means of precluding violence.

DESCRIPTORS: (*Prisoners, Insurgency), (*Criminology, *Social reforms), Law enforcement, Organizations, Stress (Psychology), Interpersonal relations, Conflict, Social psychology, Recommendations, Reviews

IDENTIFIERS: *Prison riots, Grievances, Prisoners rights, LEAA

PB-224 542/1 NTIS Prices: PC\$2.95/MF\$1.45

A Gas Chromatographic-Mass Spectrometric Method for Analysis of the Contents of Aerosol Irritant Projectors

Defence Research Establishment Ottawa (Ontario) (404576)

AUTHOR: Casselman, A. A., Bannard, R. A. B., Pottie, R. F.

C1783J1 FLD: 7C, 59A USGRDR7323

20 Feb 73 6p

REPT NO: DREO-677

MONITOR: 18

Prepared in cooperation with National Research Council of Canada, Ottawa (Ontario). Rept. no. NRC-13095.

Availability: Pub. in Jnl. of Chromatography, v80 p155-160 1973.

ABSTRACT: A convenient method for the sampling and total analysis of the propellents and active agents contained in aerosol irritant projectors has been developed. A gas chromatograph equipped with a column packed with 6% Carbowax 20M on Chromosorb G and coupled to a mass spectrometer provides both quantitative and qualitative analysis for the components of a typical irritant projector. The main lachrymator, bromoacetone, represented 1.5% and the propellents dichlorodifluoromethane and trichlorofluoromethane, comprised 97.7% of the aerosol mixture. (Author)

DESCRIPTORS: (*Irritating agents, *Gas chromatography), (*Non-lethal agents, Mass spectroscopy), Aerosols, Chemical analysis, Sampling, Acetones, Bromine compounds, Halogenated hydrocarbons, Fluorine compounds, Chlorine compounds, Canada

IDENTIFIERS: Dichlorodifluoromethane, Lachrymators, Propanone/bromo, Methane/Fluoro-trichloro, Riot control agents, SD

AD-768 273/5 NTIS Price: Not available NTIS

Fledgling Revolt: USA

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: O'Brien, Paul L.

C1523G2 FLD: 5D, 74 USGRDR7320

3 Jan 72 25p

MONITOR: 18

ABSTRACT: The essay outlines aspects of the historical development and international involvement of the Students for a Democratic Society and the various peace mobilization groups involved in the antiwar protest movement in the United States during the past decade. Specific time is devoted to the anti-military activities of these organizations and their discernible effects upon the United States military. (Modified author abstract)

DESCRIPTORS: (*Urban areas, Insurgency), (*Warfare, Attitudes), Reviews, Organizations, Social psychology

IDENTIFIERS: Peace mobilization groups, Students for a Democratic Society, A

AD-765 636/6 NTIS Prices: PC\$3.25/MF\$1.45

Civil Disturbance Operations: Liabilities Facing a Commander

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Lee, James B.

C1522F1 FLD: 5D, 74 USGRDR7320

16 Sep 71 29p

MONITOR: 18

ABSTRACT: Commanders of federal troops and National Guard units in civil disturbance operations may be subject to civil and criminal liabilities for their decisions and actions. Court opinions, law treatises, and statutes (federal and state) were reviewed to determine what legal actions could be commenced against Commanders who lead troops seeking to control civil disturbances and what defenses are available to such lawsuits. (Modified author abstract)

DESCRIPTORS: (*Law, Reviews), (*Delinquency, *Urban areas), (*Army personnel, Control), Reviews

IDENTIFIERS: *Civil disturbances, Civil liabilities, Criminal liabilities, A

AD-765 583/0 NTIS Prices: PC\$3.50/MF\$1.45

Civil Disturbance Management Commanders Must Know

Army War Coll Carlisle Barracks Pa (403565)

Monograph

AUTHOR: Van Horn, Jonathan S.

C1165I3 FLD: 5K USGRDR7315

26 Feb 73 50p

MONITOR: 18

ABSTRACT: Research objectives are to enhance the understanding of social and psychological factors that incite, perpetuate, and enlarge civil unrest before and during civil disturbances, and to identify management techniques to be employed by the Army to counteract these social and psychological forces. Concentration is directed toward historical precedence for Federal intervention, the principles of collective behavior as applied to civil disorders, the social and psychological dynamics of American society which contribute to civil disturbances, the authority of a commander and his troops when ordered into a city to quell a riot, and the civil or criminal liability they may incur should they exceed their authority. Research methodology includes the study of individual and government research reports and an examination of academic documents containing current philosophies and doctrine.

DESCRIPTORS: (*Army, Insurgency), (*Insurgency, Control systems), Reviews, Interference, Military psychology, Urban areas, Behavior, Law

IDENTIFIERS: *Civil disturbances, *Civil unrest, Riots, Violence, A

AD-762 254 NTIS Prices: PC\$3.00/MF\$0.95

Federal-State Relations and the Formation of Public Policy in Civil Disturbance Operations

Army War Coll Carlisle Barracks Pa (403565)

Individual research rept.

AUTHOR: Glidden, Thomas T.

C1064K4 FLD: 5K USGRDR7314

2 Mar 73 52p

MONITOR: 18

ABSTRACT: The development of public policies that govern the use of federal military forces in civil disturbances, and the relationships between the federal government and the states in implementing those policies are examined to determine their effectiveness. An historical approach is used, beginning with the early constitutional and legislative origins of policy, tracing the subsequent development and implementation of policy and the inter-action between federal officials and state governors. Particular emphasis is given to the decade of the 1960s and the Detroit riots in 1967. Recommendations concerning techniques of action are outlined. (Modified author abstract)

DESCRIPTORS: (*Civilian personnel, Insurgency), Reviews, Deployment, United States Government, Effectiveness

IDENTIFIERS: *Civil disturbances, Riots, Detroit riot, Violence, State government, Government policies, Lessons learned, A

AD-760 899 NTIS Prices: PC\$3.00/MF\$0.95

Ghetto and Campus - Twentieth Century Battlegrounds

Army War Coll Carlisle Barracks Pa (403565)

Student essay

AUTHOR: Fitzpatrick, Thomas W.

C1001K4 FLD: 5I, 74 USGRDR7313

8 Dec 72 30p

MONITOR: 18

ABSTRACT: The purpose of the essay is to assess the capabilities of military forces to combat civil disorders in the United States. An analysis of the relative effectiveness of the National Guard and Regular U. S. Army forces in recent major civil disturbances is used to assess the strengths and weaknesses of these forces to preserve peace on the campus and in the strife ridden inner cities of the nation. (Modified author abstract)

DESCRIPTORS: (*Civilian personnel, Insurgency), (*Insurgency, Control), Military organizations, Operational readiness, Management planning, Reviews, Urban areas, Universities, Effectiveness

IDENTIFIERS: *Civil disorders, Ghetto disorders, National Guard, Campus disorders, A

AD-760 450 NTIS Prices: PC\$3.00/MF\$0.95

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

Gradient and Less Lethal Devices in Control of Urban Violence

Ballistic Research Labs Aberdeen Proving Ground Md (050750)

AUTHOR: Stolfi, R. H.

C0623H1 FLD: 15B, 91I USGRDR7309

Mar 73 190p

REPT NO: BRL-1635

MONITOR: 18

ABSTRACT: Worldwide authorities, charged with maintaining the peace in their communities, are united in the belief that riots and demonstrations must be handled with the minimum force necessary. To respond in this fashion requires separate contingents of civil and military forces, specially selected and vigorously trained in the operations, tactics, techniques and devices most effective in executing the minimum force theory. The report describes various forms of an approach for dealing with urban violence, drawing upon the experiences and doctrine of civil and military authorities around the world. Weapons and devices to support the tactical units of riot control forces are a major consideration. (Author Modified Abstract)

DESCRIPTORS: (*Insurgency, *Urban areas), (*Non-lethal agents, Insurgency), (*Personnel, *Training), Officer personnel, Military facilities, Civilian personnel, Deterrence, Helicopters, Light pulses, Tear gas, Small arms, Shotguns, Foams, Vehicles, Projectiles

IDENTIFIERS: *Riot control, *Public demonstrations, Shock batons, Stun guns, Jet foam guns, A

AD-757 636 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.

C0484E2 PLD: 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

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/MP\$0.95

Disperser, Riot Control Agent, Portable

Army Test and Evaluation Command Aberdeen Proving Ground Md (041750)

Final rept. on system test operations procedure.

A4945H3 FLD: 14B, 15B, 73D, 74D USGRDR7218

31 May 72 22p

REPT NO: TOP-8-3-C82

PROJECT: AMCR-310-6

ABSTRACT: The report describes a method for evaluation of riot control agent dispersing system operational and functional performance characteristics. Identifies supporting tests, facilities, and equipment required. Describes procedures for test preparation, initial inspection, physical characteristics, personnel training, functional performance, decontamination, adverse conditions, portability, transportability, durability, reliability, and value engineering. (Author)

DESCRIPTORS: (*Non-lethal agents, Dissemination), (*Army equipment, Test methods), Test facilities, Test equipment, Personnel, Army training, Performance tests, Decontamination, Portable, Reliability, Control systems, Life expectancy, Powders, Systems engineering

IDENTIFIERS: *Riot control, CB agents, Evaluation, Transportability

AD-746 348 NTIS Prices: PC\$3.00/MF\$0.95

Dissemination Studies of the M25A2 RC Grenade

Edgewood Arsenal Md (401007)

Technical rept. Apr-Nov 70

AUTHOR: Allan, Craig R.

A4943E3 FLD: 19A, 79A, 56C USGRDR7218

Jul 72 13p*

REPT NO: EA-TR-4638

PROJECT: DA-1-W-062116-A-081

ABSTRACT: Aerosol dissemination tests were conducted with standard and modified M25A2 grenades to identify and evaluate those parameters critical to obtaining increased powder dispersion efficiency. The effects of burster ratio, casing thickness, and powder size were considered. (Author)

DESCRIPTORS: (*Aerosols, Dissemination), (*Grenades, Non-lethal agents), Performance tests, CS agents, Test facilities, Test methods, Simulation, Scattering, Efficiency, Optimization, Particle size, Containers

IDENTIFIERS: *Point source dissemination, M-2 Grenades, *Riot control, Evaluation, Dispersion efficiency

AD-746 240 NTIS Prices: PC\$3.00/MF\$0.95

Nonlethal and Nondestructive Combat in Cities Overseas

Institute for Defense Analyses Arlington Va Science and Technology Div
(403108)

Paper

AUTHOR: Coates, Joseph F.
A4923H4 FLD: 15G, 19F, 79G, 74H USGRDR7218
May 70 135p
REPT NO: P-569
CONTRACT: DAHC15-67-C-0011
PROJECT: ARPA-T-62
MONITOR: IDA/HQ-70-11344

ABSTRACT: The report examines nonlethal and nondestructive weapons--both present and potential--for their applicability to military operations in cities overseas. Classes of criteria for evaluation are suggested, and the suitability of various weapons concepts for various kinds of urban operations and missions is considered. The potential nonlethal mechanisms that come under scrutiny include, among others: radiant heating, stabbing and cutting weapons, sound, wind, vortices, animals, plants, manipulation of utilities, light, sticky materials, nets and snares, impact weapons, electrical weapons, and markers. Chemical agents are judged to be uniquely applicable to almost all urban operational missions. The paper concludes that there is a clear need to minimize destruction and fatalities in many of the overseas urban operations in which the United States may become involved. (Author)

DESCRIPTORS: (*Counterinsurgency, *Antipersonnel weapons), Urban areas, Limited war, Non-lethal agents, Electric currents, Sprays, Dogs, Tolerances (Physiology), Unconventional warfare

IDENTIFIERS: *Nonlethal weapons, Riot control, Evaluation, Perimeter defense, Crowd control

AD-745 773 NTIS Prices: PC\$3.00/MP\$0.95

An Analogy for Understanding the Movement and Control of the Populace
Army Weapons Command Rock Island Ill Weapons Lab (389993)

Technical rept.

AUTHOR: Norausky, Patrick H. Jr
A4855L4 FLD: 5J, 56K USGRDR7217
Jun 72 36p*
REPT NO: SWERR-TR-72-46

ABSTRACT: A serious problem confronting the commander of controlling forces is exact knowledge of whether a populace movement is that of a crowd or mob. The paper proposes that a fluid mechanics analogy can be used for understanding the movement and control of the populace. Movement of the populace is discussed using a continuity equation. A program to gather experimental data to determine the validity of the analogy is discussed. Also, a conceptualized system for field implementation is suggested.

DESCRIPTORS: (*Group dynamics, *Behavior), Control, Mathematical models, Fluid dynamic properties, Insurgency, Social psychology, EMOTIONS

IDENTIFIERS: Civil disturbance control, Mob control, Crowd control, Riot prevention

AD-745 413 NTIS Prices: PC\$3.00/MF\$0.95

The Contemporary City and Contemporary Social Research .

New York City-Rand Inst N Y (406204)

AUTHOR: Yin, Robert K.

A3864F1 FLD: 5K, 56N USGRDR7208

Jul 71 13p

REPT NO: P-4680

ABSTRACT: .;Contents: The urban debate; The social sciences and urban research.

DESCRIPTORS: (*Sociology, *Urban areas), Federal budgets, Criminology, Safety, Economics, Management engineering

IDENTIFIERS: Federal aid, Crime prevention programs, Urban riots, Ghettos, Municipal services, Urban research, *Urban crisis

AD-738 080 NTIS Prices: PC\$3.00/MF\$0.95

The Five Stages of Urban Guerrilla Warfare: Challenge for the 1970s

Rand Corp Santa Monica Calif (296600)

AUTHOR: Jenkins, Brian Michael

A3864C3 FLD: 15G, 74H USGRDR7208

Jul 71 19p

REPT NO: P-4670

Availability: Paper copy available from the RAND Corp., 1700 Main St., Santa Monica, Calif. 90401, \$1.00. No copies furnished by DDC or NTIS.

ABSTRACT: ;Contents: Violent propaganda stage; Organizational growth stage; The guerrilla offensive; Mobilization of the masses; Urban uprising; Constraints on urban guerrillas; The new environment for the guerrilla.

DESCRIPTORS: (*Insurgency, Urban areas), (*Threat evaluation, Insurgency), Reviews, Organizations, Propaganda, Southeast Asia, Latin America, Cuba, Psychological warfare, Unconventional warfare

IDENTIFIERS: *Urban guerilla warfare, Revolution, Assassinations, Kidnappings, Terrorist campaigns, Riots

AD-738 070 NTIS Price: Not available NTIS

The Comparative Effectiveness of Four Riot Control Agents

Chemical Warfare Labs Army Chemical Center Md (036950)

Technical memo.

AUTHOR: Gongwer, Louis E., Ballard, Thomas A., Gutentag, Philip J.,
Punte, Charles L., Owens, Edmund J.

A3853D3 FLD: 15B, 74D USGRDR7208

1 Nov 58 7p

REPT NO: CWL-TM-24-18

ABSTRACT: The need of dispelling riotous mobs without causing casualties has led to the study of several chemical substances which have harassing or incapacitating properties when inhaled. This report includes data on the inhalation toxicity in laboratory animals and the tolerable or incapacitating dosage in man of CN, DM, EA 1778, and EA-1779. Toxicity determinations were conducted on the mouse, rat, and guinea pig by exposing them to the agents for various periods of time, ranging from 15 to 60 minutes at concentrations from 50 to 4000 mg./cu m. Periodic samples of the chamber atmosphere were analyzed for airborne concentrations. The toxicity of inhaled riot control agents for laboratory animals is summarized. (Author)

DESCRIPTORS: (*Non-lethal agents, Effectiveness), Respiration, Toxicity, Tolerances(Physiology), Dosage, Laboratory animals, Humans, Tear gas, Arsines, CS agents

IDENTIFIERS: DM agents, Phenarsazine/10-chloro-5-10-dihydro, CN agents, Acetophenone/2-Chloro, EA 1778 agents, EA 1779 agents, *Riot control agents

AD-737 784 NTIS Prices: PC\$3.00/MF\$0.95

Preparation of a High Expansion, Limited Stability, Aqueous Foam,
Incorporating Riot Control Agent CS2: Feasibility Study of a Riot
Control Agent/Foam System for CONUS Riot Control Application

Edgewood Arsenal Md (401007)

Technical rept. Nov 68-Aug 69

AUTHOR: Conte, Charles J., Engquist, Elmer H., Roberts, Bruce I.,
Raper, Julian R. III

A3685G1 FLD: 15B, 74D USGRDR7206

Dec 71 38p

REPT NO: EA-TR-4585

PROJECT: DA-1-B-562602-A-196

TASK: 1-B-562602-A-19602

ABSTRACT: The objective of this investigation was to determine the feasibility of foam as a carrier for riot control agents for potential application in CONUS civil disturbances. Foam as a carrier for riot control agents would overcome the present difficulty of general dissemination of such agents as an aerosol, which, when dispersed under the prevailing meteorological conditions affect other than the immediate area of the riot control situation. Scale-up studies to a field size foam generation unit were carried out using a modified commercial firefighting foam generator, water tank, and military pump interconnected for flexible mounting. The riot control agent was incorporated in the foam primarily as CS2 dry powder. Five foam formulations were selected and evaluated in preliminary field size trials. (Author)

DESCRIPTORS: (*CS agents, *Foams), Surface-active substances, Mixtures, Non-lethal agents, Test methods, Feasibility studies

IDENTIFIERS: *Riot control agents, CS 2 agent, *Foaming agents, Foam generators

AD-736 333 NTIS Prices: PC\$3.00 MF\$0.95

Political Protest and Power Transfers in Crisis Periods. Regional, Structural, and Environmental Comparisons

Yale Univ New Haven Conn (382450)

Technical rept.

AUTHOR: Hudson, Michael C.

A3595E1 FLD: 5D, 56F USGRDR7205

31 Dec 71 36p

REPT NO: TR-17

CONTRACT: N00014-67-A-0097-0007, ARPA Order-1067

Sponsored in part by Grant NSF-GS-614.. Report on World Data Analysis Program.

Availability: Pub. in Comparative Political Studies, p259-294 Oct 71.

ABSTRACT: The paper attempts to describe how political systems behave before, during, and after years of maximum political violence with respect to the pattern of protest and governmental change. (Author)

DESCRIPTORS: (*Political science, Reviews), Insurgency, Organizations, Behavior, History, Europe, Middle East, Asia, Latin America, USSR

IDENTIFIERS: Political protest, Crisis periods, Riots, Demonstrations, Power transfers

AD-735 588 NTIS Price: Reprint

The Polish Riots and Gomulka's Fall

Rand Corp Santa Monica Calif (296600)

AUTHOR: Johnson, A. Ross

A3241J2 FLD: 5D, 56F USGRDR7201

Apr 71 27p

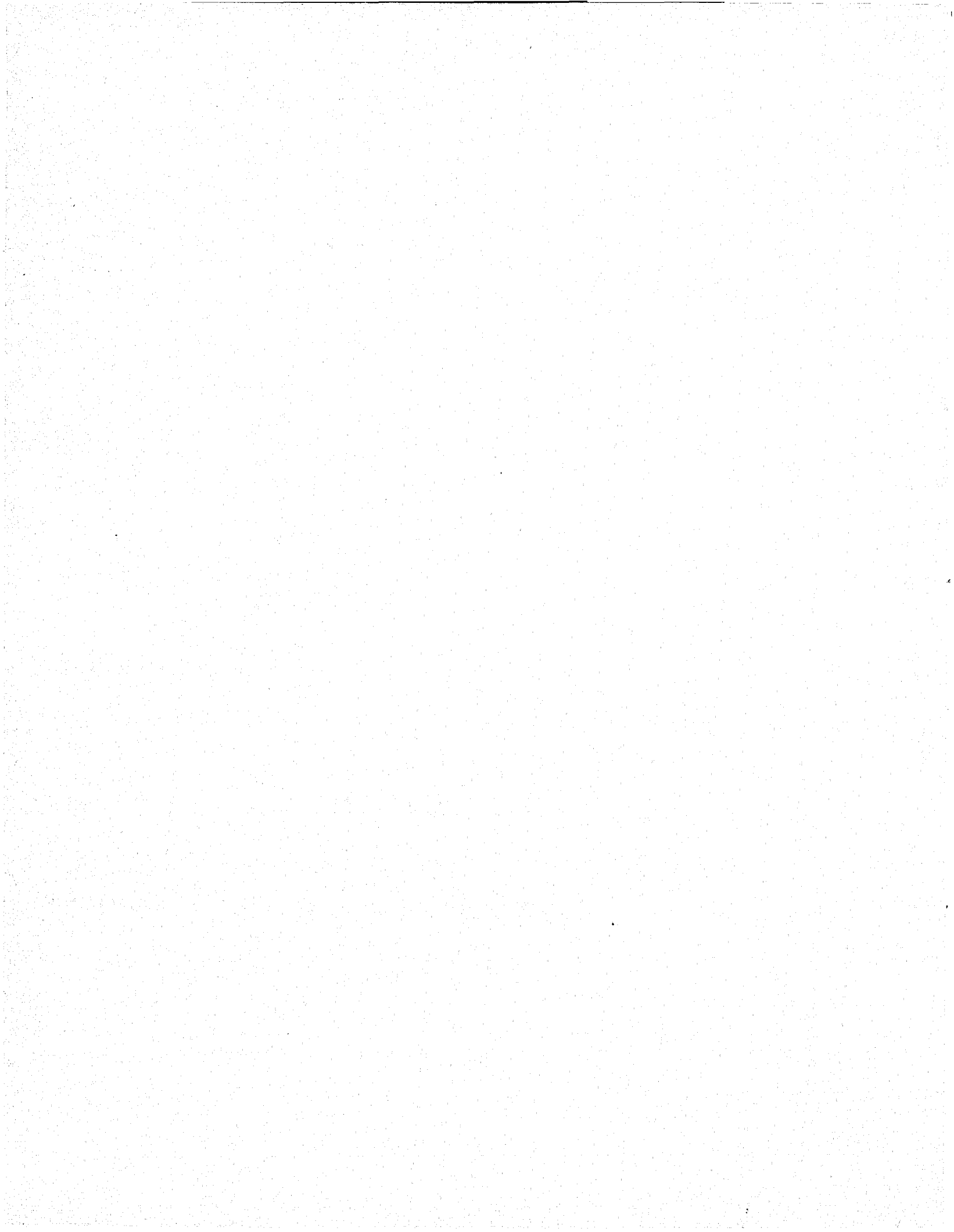
REPT NO: P-4615

ABSTRACT: ;Contents: The Gomulka era: Regime-society tensions; Intra regime tensions; The new leadership; Which new era.

DESCRIPTORS: (*Poland, Political science), Insurgency, Organizations

IDENTIFIERS: Polish riots(1970), Gomulka's fall

AD-732 699 NTIS Prices: PC\$3.00 MF\$0.95



CONTINUED

1 OF 2

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

Concept Study for a Nonlethal Shoulder-Fired 40-mm CS Grenade for Riot Control

Edgewood Arsenal Md (401007)

Technical memo. Mar 70-Jul 71

AUTHOR: Miller, Miles C.

A3004L3 PLD: 19A, 15B, 79A USGRDR7122

Sep 71 18p

REPT NO: EA-TM-100-21

PROJECT: DA-1-W-062116-A-081

TASK: 1-W-062116-A-08102

ABSTRACT: A concept is presented for using the M79 launcher to launch a redesigned 40-mm CS-type grenade which would eliminate any lethal hazard due to impact with an individual in the target area. This is achieved by deployment of a small parachute from the grenade during its flight resulting in the grenade impacting the target area at a low, nonlethal velocity. Maximum ranges comparable to the current 40-mm/M79 systems are feasible. (Author)

DESCRIPTORS: (*Grenades, Ranges(Distance)), (*Rifle grenade launchers, CS agents), Projectile trajectories, Configuration, Parachutes, Deployment, Exterior ballistics, Non-lethal agents, Impact

IDENTIFIERS: M-79 launchers, 40-MM grenades, Computer aided analysis, Riot control

AD-730 301 NTIS Prices: PC\$3.00 MF\$0.95

The Evaluation of CS Aerosols as a Riot-Control Agent in Man
Army Chemical Warfare Labs., Army Chemical Center, Md.

Technical rept.

AUTHOR: Gutentag, Philip J., Hart, Joseph

A2834C1 FLD: 15B, 74D USGRDR7120

Apr 60 32p

REPT NO: CWL-2365

Distribution Limitation now Removed.

ABSTRACT: Inhalation studies of CS aerosols were conducted on men in various states of health. Incapacitating properties of the compound were discussed and results indicated that CS is a very strong sternutator and lacrimator. These effects enhance its potential as a riot-control agent. (Author)

DESCRIPTORS: *Aerosols, *Respiration, Chemical warfare agents, Effectiveness, Glands, Pathology, Physiology, Stimulation, Toxicity

IDENTIFIERS: Riot control

AD-316 686 NTIS Prices: PC\$3.00 MF\$0.95

Comprehensive Law and Order Assistance Research and Development
(CLOARAD) Program

Army Land Warfare Lab Aberdeen Proving Ground Md (038950)

Final rept. (Revised)

AUTHOR: Wilsnack, Richard W., McNiell, Joseph W., Samuels, David W.,
Egner, Donald O., Campbell, Donald

A2482F3 FLD: 5D, 56C USGRDR7116

Mar 71 78p*

REPT NO: LWL-TR-71-04

PROJECT: DA-2-X-663701-D-718

ABSTRACT: The Comprehensive Law and Order Assistance Research and Development (CLOARAD) Program was concerned with hardware and tactics of potential value to military forces assigned to help control civil disturbances. The Program was a small-scale attempt to evaluate specific tactical problems and requirements imposed on military forces in disturbances. Within the restrictions of scarce data and time, manpower and funding limitations, the report delineates the most important problems identified during the Program and presents guidelines for the solution of these problems. Two firm recommendations are made in the report: there should be comprehensive systems analyses to determine the best feasible solutions for the problems stated in the report; and there should be a larger-scale, intensive effort to assemble and analyze pre-defined data on civil disturbances. (Author)

DESCRIPTORS: (*Insurgency, Control), (*Law, Military requirements), (*Civilian personnel, Insurgency), Military tactics, Military personnel

IDENTIFIERS: CLOARAD(Comprehensive Law and Order Assistance Research and Development), Comprehensive law and order assistance research and development, *Riot control, *Civil disorders

AD-725 996 NTIS Prices: PC\$3.00 MF\$0.95

Grenades, Hand or Weapon Launched, Riot Control, Smoke or Incendiary

Army Test and Evaluation Command Aberdeen Proving Ground Md (041750)

Final rept. on materiel test procedure.

A2393I3 FLD: 19A, 14B, 79A, 73D USGRDR7115

10 May 71 17p

REPT NO: MTP-8-3-091

PROJECT: AMCR-310-6

ABSTRACT: The procedure describes test methods and techniques for determining whether test grenades, hand or weapon launched, riot control, smoke or incendiary, meet the criteria described in the applicable materiel requirements document. (Author)

DESCRIPTORS: (*Grenades, Test methods), Safety, Fuze functioning elements, Mobility, Reliability

IDENTIFIERS: Commodity service test procedures

AD-725 543 NTIS Prices: PC\$3.00 MF\$0.95

The Huk Rebellion in the Philippines: Quantitative Approaches

Rand Corp Santa Monica Calif (296600)
AUTHOR: Averch, Harvey, Koehler, John
A2304L2 FLD: 5D, 15G, 56F USGRDR7114
Aug 70 42p
REPT NO: RM-6254-ARPA
CONTRACT: DAHC15-67-C-0142, ARPA Order-189-1
See also AD-683 257.

ABSTRACT: A statistical study of conditions related to control of barrios in Central Luzon by Huk rebels. Using several different models, results showed that Huk actions--their terror and coercion--as measured by killings, was a stronger explanation than social conditions. Contrary to the findings of earlier studies, the proportions of Pampangans and of sugar growing were negatively related to Huk control. Tenancy was a factor--land ownership was negatively related to Huk control--but not a dominant one. The findings are borne out by a survey of 1550 Filipinos, showing that persons in Huk areas had about the same attitudes as those elsewhere (but nonresponse was 50 percent, compared with 33 percent elsewhere). Appended extracts from interviews with 12 Huk prisoners suggest a split between at least two factions, idealistic Maoists and simple criminals. (Author)

DESCRIPTORS: (*Insurgency, Regression analysis), (*Philippines, Insurgency), Mathematical models, Sociometrics, Attitudes, Urban areas, Communism, Economics, Agriculture, Language, Propaganda

IDENTIFIERS: Barrios, Hukbalahaps, *Huk rebellion

AD-724 689 NTIS Prices: PC\$3.00 MF\$0.95

The Nucleophilic Destruction of Some Model Riot Control Agents in Biologic Media

Edgewood Arsenal Md (401007)

Technical rept. Jan 67-Jul 70

AUTHOR: Williamson, Charles F., Witten, Benjamin

A2192B2 FLD: 15B, 6A, 74D, 57B USGRDR7113

Mar 71 20p

REPT NO: EA-TR-4500

PROJECT: DA-1-B-562602-AD-13

ABSTRACT: The nucleophilic destruction of the model riot control agents o-chlorobenzylidene-malononitrile (CS), phenacyl bromide, and N-benzylideneaniline was studied in biologic media. Upon contacting blood, these agents immediately bind to macromolecules and react under the influence of the microenvironment within the complex. As a result, their rates of destruction are either accelerated or inhibited, depending on the mechanism of destruction and the biologic macromolecule. Upon entering the blood stream, CS apparently binds to plasma albumin, thus decreasing the rate at which it enters the tissues. In addition, albumin catalyzes the destruction of CS. Both mechanisms operate to protect the body from the toxic effects of CS. CS does not alkylate the catalyst. Phenacyl bromide apparently binds readily to serum albumin and alkylates its binding site. In the presence of hemoglobin, phenacyl bromide is destroyed so rapidly that the velocity constants could not be determined accurately. N-benzylideneaniline binds to several blood proteins. Its rate of decomposition is increased by fibrinogen and decreased by albumin. In human blood plasma the net rate of destruction of N-benzylideneaniline, however, is slowed only twofold. (Author)

DESCRIPTORS: (*CS agents, In vivo analysis), (*Chemical warfare agents, In vivo analysis), (*Blood chemistry, Chemical warfare agents), Biochemistry, Amines, Serum albumin, Toxicity, Catalysis, Decomposition

IDENTIFIERS: *Riot control agents, *Acetophenone/2-bromo, *CN agents, *Aniline/N-benzylidene, Nucleophilic reactions

AD-723 408 NTIS Prices: PC\$3.00 MF\$0.95

Riot Control: Analysis and Catalog

Army Limited War Lab., Aberdeen Proving Ground, Md.

Final rept.

AUTHOR: Samuels, David W., Egnor, Donald O., Campbell, Donald

A2035I1 FLD: 5K, 56C USGRDR7111

Oct 69 163p*

REPT NO: LWL-TR-69-14

Distribution Limitation now Removed.

ABSTRACT: The report attempts to provide a systematic analysis of some types of civil disturbances and a survey of related developmental materiel. The major limitation of the analysis is its restriction to ghetto - type riots, necessitated by limitations in time and available information. However, the materiel items described are universal in application to various forms of civil disturbances. The first part of the report analyzes such riots by identifying common characteristics of a number of disturbances which have occurred in the United States and describing the experiences of various security forces in their control. The latter part of the report serves as a catalog of materiel items, not already in the Army inventory, which may be useful in providing a more flexible response to the special requirements of riot control. (Author)

DESCRIPTORS: (*Counterinsurgency, *Urban areas), (*Army equipment, Military requirements), Insurgency, Group dynamics, Leadership, Motivation, Threat evaluation, Buildings, Damage, Sensors, Traffic, Protection, Combat information centers, Communication equipment, Small arms, Non-lethal agents, Smoke munitions, Artillery, Ultrasonic radiation, Chemical warfare agents, Antipersonnel weapons, Psychological warfare, Fire extinguishers, Medical equipment, Armor, Costs, Advanced planning

IDENTIFIERS: *Riot control, *Civil disorders, Private property, Patrols, Pacification, *Ghettos

AD-861 296 NTIS Prices: PC\$3.00 MF\$0.95

The Nucleophilic Destruction of Some Model Riot Control Agents in Detergent Micelles

Edgewood Arsenal Md (401007)

Technical rept., Jan 67-Jul 70

AUTHOR: Williamson, Charles E., Witten, Benjamin

A1872L2 FLD: 15B, 7C, 74D, 59D USGRDR7109

Jan 71 14p

REPT NO: EA-TR-4483

PROJECT: DA-1-B-562602-AD-13

ABSTRACT: The nucleophilic destruction of certain agents such as CS and phenacyl bromide is catalyzed by positively charged, and inhibited by negatively charged, detergent micelles. The opposite effect is observed for the Schiff base N-benzylideneaniline. These effects are interpreted in terms of the microenvironmental forces that are exerted on the bound agents by the micelle. (Author)

DESCRIPTORS: (*Non-lethal agents, *Decontamination), (*CS agents, *Decomposition), Cleaning compounds, Chemical reactions, Tear gas, Nitriles, Catalysis, Reaction kinetics

IDENTIFIERS: *Detergents, *CN agents, Mace agent, *Riot control agents, *Acetophenone/2-bromo, Nucleophilic reactions

AD-720 574 NTIS Prices: PC\$3.00 MF\$0.95

Multiple Submunitions Systems, Riot Control

Army Test and Evaluation Command Aberdeen Proving Ground Md (041750)

Matériel test procedure.

A1704G2 FLD: 15B, 14B, 74D, 73D USGRDR7107

30 Nov 67 35p

REPT NO: MTP-8-2-195

ABSTRACT: The objective of the procedure is to determine the technical performance and safety aspects of riot control submunitions relative to the criteria cited in applicable Small Development Requirements, Qualitative Matériel Requirements, Technical Characteristics, and other requirements and documentation that pertain to a particular item. (Author)

DESCRIPTORS: (*Tanks (Containers), Test methods), (*Non-lethal agents, Dissemination), Visual inspection, Environmental tests, Drop testing, Vulnerability, Maintainability

IDENTIFIERS: *Commodity engineering test procedures

AD-718 769 NTIS Prices: PC\$3.00 MF\$0.95

Grenades, Hand, Riot Control

Army Test and Evaluation Command Aberdeen Proving Ground Md (041750)

Matériel test procedure.

A1704A4 FLD: 19A, 14B, 79A, 73D USGRDR7107

31 Oct 67 35p

REPT NO: MTP-8-2-093

ABSTRACT: The objective of this procedure is to determine the technical performance and safety aspects of riot control hand grenades relative to the criteria cited in applicable Qualitative Materiel Requirements, Small Development Requirements, Technical Characteristics, and other requirements and documents that pertain to the test item. (Author)

DESCRIPTORS: (*Grenades, Test methods), (*Non-lethal agents, Grenades), Drop testing, Environmental tests, Handling, Air drop operations, Vulnerability

IDENTIFIERS: *Commodity engineering test procedures

AD-718 746 NTIS Prices: PC\$3.00 MF\$0.95

Dispersers, Riot Control Agent, Portable

Army Test and Evaluation Command Aberdeen Proving Ground Md (041750)

Materiel test procedure.

A1704G1 FLD: 15B, 14B, 74D, 73D USGRDR7107

2 Oct 67 28p

REPT NO: MTP-8-2-082

ABSTRACT: The objective of the materiel test procedure (MTP) is to determine the technical performance and safety aspects of portable dispersers relative to the criteria cited in applicable Qualitative Materiel Requirements, Small Development Requirements, Technical Characteristics, and other requirements and documentation that pertain to a particular test item. (Author)

DESCRIPTORS: (*Spray tanks, Test methods), (*Non-lethal agents, Dissemination), Visual inspection, Environmental tests, Drop testing, Maintainability, Portable, Flamethrowers, Modification kits

IDENTIFIERS: *Commodity engineering test procedures

AD-718 768 NTIS Prices: PC\$3.00 MF\$0.95

Dispenser, Riot Control Agent--Helicopter Mounted

Army Test and Evaluation Command, Aberdeen Proving Ground, Md. (041
750)

Final rept. on materiel test procedure.

A1534I1 FLD: 15B, 14B, 74D, 73D USGRDR7105

24 Jun 70 24p

REPT NO: MTP-8-3-083

PROJECT: AMCR-310-6

Distribution Limitation now Removed.

ABSTRACT: The Army Service Test Procedure describes test methods and techniques for evaluating the performance and characteristics of Riot Control Agent Dispenser Subsystem (Helicopter Mounted), and for determining their suitability for service use by the U. S. Army. (Author)

DESCRIPTORS: (*Non-lethal agents, Dissemination), (*Spray tanks, Test methods), Containers, Reliability, Safety, Maintainability, Meteorological parameters, Helicopters

IDENTIFIERS: Commodity service test procedures, Riot control agents, *Chemical agent dispensers

AD-872 076 NTIS Prices: PC\$3.00 MF\$0.95

Dispersers, Riot Control Agent, Vehicular or Helicopter Mounted

Army Test and Evaluation Command Aberdeen Proving Ground Md (041750)

Material test procedure.

A1704F4 FLD: 15B, 14B, 74D, 73D USGRDR7107

31 Jan 69 25p

REPT NO: MTP-8-2-083

ABSTRACT: The objective of the commodity engineering test procedure is to establish uniform procedures for determining and evaluating the technical performance of vehicular or helicopter mounted riot control agent dispersers in terms of the criteria established by applicable Qualitative Materiel Requirements, Small Development Requirements, Technical Characteristics, and other design requirements or specifications. These procedures will also permit evaluation of the relative safety of tested items in the hands of Army troops and the safety of those items for service testing. (Author)

DESCRIPTORS: (*Spray tanks, Test methods), (*Non-lethal agents, Dissemination), Visual inspection, Environmental tests, Drop testing, Handling, Maintainability

IDENTIFIERS: *Commodity engineering test procedures

AD-718 767 NTIS Prices: PC\$3.00 MF\$0.95

The Occasional Tyrannies of Governing Majorities

Rand Corp Santa Monica Calif (296600)

AUTHOR: Mitchell, M. R.

A1204C4 FLD: 5D, 56F USGRDR7101

Jul 70 6p

REPT NO: P-4431

ABSTRACT: The document comments on instances in which the suppression of constitutional rights by civil authorities has been supported in view of existing conditions.

DESCRIPTORS: (*Insurgency, Deterrence), (*Group dynamics, Urban areas), (*Law, Anomalies), Universities, Students, Public opinion, Organizations, Analysis of variance, Political science

IDENTIFIERS: Tyranny, *Free speech, Peaceful assembly, *Constitutional safeguards

AD-714 107 NTIS Prices: PC\$3.00 MF\$0.95

A STUDY OF THE NEED FOR ARREST POWERS BY FEDERAL TROOPS PERFORMING
CIVIL DISTURBANCE MISSIONS

Army Command and General Staff Coll Fort Leavenworth Kans (037260)

Thesis

AUTHOR: Stem, David H.

A1132D3 FLD: 5D, 56C, 56G USGRDR7024

1970 46p

ABSTRACT: By analyzing missions performed by Federal troops in civil disturbance situations and reviewing techniques which might accomplish the same purpose, a determination is made of the need for arrest powers. (Author)

DESCRIPTORS: (*Disasters, Law), (*Law, Armed Forces operations), United States Government, Police, Army research

IDENTIFIERS: *Civil disturbances, *Riots, *Arrest powers

AD-713 356 CFSTI Prices: HC\$3.00 MF\$0.65

WORKING BIBLIOGRAPHY ON POLITICAL DEVELOPMENT

Agency for International Development, Washington, D.C. (010 325)

AUTHOR: Ruth, David N.

A0704B1 FLD: 5K, 5D, 56F USGRDR7018

1 Jul 67 53p

ABSTRACT: The document is a selected bibliography which lists 330 books, 142 articles from professional journals and 15 congressional reports and speeches. The listings are classified under the following headings: Political development - general, socio-cultural aspects, community development: rural and urban counter-insurgency, labor development, legal development, political parties, and administrative improvement.

DESCRIPTORS: (*Political science, *Bibliographies), Economics, Culture, Rural areas, Urban areas, Communication systems, Insurgency, Counterinsurgency, Labor, Law, Organizations, Management planning, Foreign policy

IDENTIFIERS: *Political development, Developing countries, Economic development

PB-193 162 CFSTI Prices: HC\$3.00 MF\$0.65

TOXICITY OF O-CHLOROBENZYLIDENE MALONITRILE (CS) IN TRIOCTYLPHOSPHATE (TOF) SOLUTIONS

Edgewood Arsenal, Md. (401 007)

Technical rept. Jan-Dec 68

AUTHOR: Weimer, J. T., Owens, E. J., Ballard, T. A., Ferrell, J. F., Everts, J. S.

A0223A2 FLD: 6T, 15B, 923 USGRDR7012

Apr 69 48p*

REPT NO: EA-TR-4301

PROJECT: DA-1-B-562602-A-079

TASK: 1-B-562602-A-07908

Distribution Limitation now Removed.

ABSTRACT: As solutions containing 1% o-chlorobenzylidene malononitrile (CS) in trioctylphosphate (TOF) have been proposed for use in riot control situations, a series of toxicological tests was conducted in animals. Results showed that the doses tested are not permanently injurious to the eyes. Effects on skin ranged from none to necrosis, and the affected areas usually healed within 2 weeks. When the mixtures were directly injected into the trachea, some evidence of congestion and pneumonia was seen. But the severity and duration of signs were not in a category that would warrant veterinary treatment under conditions of normal animal care. The reported studies indicate that no irreversible damage is expected with 1% CS/TOF solutions as long as the dose ranges shown to be safe in this paper are not exceeded. (Author)

DESCRIPTORS: (*Non-lethal agents, Toxicity), (*CS agents, *Toxicity), Phosphates, Dosage, Eye, Organic solvents, Respiratory diseases, Aerosols, Skin, Tear gas

IDENTIFIERS: Octyl phosphates, Eye injuries, *Riot control agents

AD-850 248 CFSTI Prices: HC\$6.00 MF\$0.95

AN ANALYSIS OF RECENT CONFLICTS

Center for Naval Analyses Arlington Va Inst of Naval Studies (403542
)

Final rept., 1946-1964

AUTHOR: Richardson, R. P. Jr, Waldron, S., Berndtson, C. R., Brumbach,
L. E., Hertweck, G.

A0205G3 FLD: 15G, 5D, 942, 925 USGRDR7012

27 Jan 70 321p

CONTRACT: N00014-68-A-0091

MONITOR: CNA-Research Contrib-144

PORTIONS OF THIS DOCUMENT ARE NOT FULLY LEGIBLE.

ABSTRACT: 380 conflicts initiated during the years 1946-1964 were analyzed. The analysis of recent conflicts has three major objectives: (1) to confirm or counter assumptions about limited warfare situations in the period 1946-1964 in order to provide greater validity in predicting such situations in the future; (2) to identify the major variables involved in the various kinds of recent conflicts so that these variables will be used appropriately in the analysis of future conflicts of a similar type; (3) to provide a data base from which important implications about the nature of recent conflicts may be derived so that effective processes of deterrence and control may be perceived for future application. (Author)

DESCRIPTORS: (*Limited war, Analysis), Cold war, Counterinsurgency, Guerrilla warfare, Threat evaluation, Foreign policy, United States Government, Communism

IDENTIFIERS: Coup d'etat, Civil disorders, Civil wars, Conflicts

AD-704 878 CPSTI Prices: HC\$6.00 MF\$0.95

OCULAR, CUTANEOUS, AND INTRATRACHEAL TOXICITY OF CS-WATER SLURRIES
WITH AND WITHOUT A SURFACTANT IN ANIMALS

Edgewood Arsenal Md (401007)

Technical rept. Jan-Jul 69

AUTHOR: Owens, Edmund J., Ferrell, John F., Weimer, John T., Ballard,
Thomas A., Merkey, Ronald P.

A0201K4 FLD: 6T, 908 USGRDR7012

Dec 69 43p*

REPT NO: EA-TR-4379

PROJECT: DA-1-B-562602-AD-13

TASK: 1-B-562602-AD-1302

ABSTRACT: Studies were designed to assess the toxicity of CS suspended in water with and without a surfactant (polysorbate 20) when administered to animals as follows: (1) single and repeated doses on the eye, (2) single and repeated doses on the skin, (3) single doses administered into the trachea, (4) single and repeated doses applied to cloth on skin, and (5) sprays of the slurries on the eyes and skin. It was concluded that no residual damage to the eyes or skin of rabbits occurs when 1% CS, CS1, and CS2 water slurries with and without 0.5% polysorbate 20 are applied to these areas once or daily for 5 days. When these formulations are administered intratracheally to dogs, no residual damage occurs. (Author)

DESCRIPTORS: (*CS agents, Toxicity), Surface-active substances, Water, Mixtures, Laurates, Dosage, Dose rate, Eye, Skin, Trachea, Damage, Irritating agents, Non-lethal agents

IDENTIFIERS: Polysorbate 20, *Riot control agents, Emulsifying agents, Eye injuries, CS 1 agent, CS 2 agent

AD-704 703 CFSTI Prices: HC\$6.00 MF\$0.95

AN ANALYSIS OF LOS ANGELES FIRE DEPARTMENT OPERATIONS DURING WATTS

Ohio State Univ Columbus Disaster Research Center (387540)

AUTHOR: Warheit, George, Quarantelli, E. L.

A0023L4 FLD: 5A, 13L, 941 USGRDR7010

Dec 69 89p

REPT NO: DRC-Monograph Ser-7

CONTRACT: OCD-PS-64-46

PROJECT: OCD-2651-A

Prepared in cooperation with Florida Univ., Gainesville.

ABSTRACT: The monograph examines the operations of the Los Angeles Fire Department during the civil disturbance -- the so-called Watts riot -- in August 1965. The focus of the monograph is on one major type of collective response, that manifested by complex or formal organizations with bureaucratic structures. Three major components of the Los Angeles Fire Department are examined and it is shown how the structure and functioning of the organization was altered during the disturbance. Attention is given to modifications in administrative decision-making procedures, the handling of tasks, and the patterns of communication within the organization. (Author)

DESCRIPTORS: (*Disasters, Organizations), (*Organizations, Operational readiness), (*Decision making, Organizations), Communication systems, Civil defense systems, California

IDENTIFIERS: Los Angeles(California), Fire departments, *Watts riot 1965, Riots, Crisis situations, Community crisis situations

AD-702 769 CFSTI Prices: HC\$6.00 MF\$0.95

TEAR GAS AND RIOT CONTROL AGENTS: A REVIEW OF EYE EFFECTS

Edgewood Arsenal Md (401007)

Special publication Mar-Nov 68

AUTHOR: Rengstorff, Roy H.

7464L1 FLD: 15B, 6E, 923, 925 USGRDR7009

1969 10p

REPT NO: EA-SP-100-71

PROJECT: DA-1-B-562602-AD-13

TASK: 1-B-562602-AD-1302

Availability: Pub. in The Optometric Weekly, 4p Sep 69.

ABSTRACT: Chloracetophenone (CN), commonly known as tear gas, and ortho-chlorobenzylidene malonitrile (CS), referred to as a riot control agent, have a pronounced effect on the mucous membranes of the eyes and respiratory tract. This is a review of the physical characteristics of CN and CS, the eye effects of these compounds, and eye injuries that have been reported in American and foreign publications. (Author)

DESCRIPTORS: (*Non-lethal agents, *Eye), (*Membranes(Biology), *Irritating agents), (*CS agents, Membranes(Biology)), (*Tear gas, Membranes(Biology)), Respiratory system, Reviews, Ulcers, Wounds + injuries, Exposure

IDENTIFIERS: *Eye injuries

AD-702 542

CASTRO-COMMUNIST INSURGENCY IN VENEZUELA. A STUDY OF INSURGENCY AND COUNTERINSURGENCY OPERATIONS AND TECHNIQUES IN VENEZUELA, 1960-1964. SECTION I. SUMMARY AND CONCLUSIONS. SECTION II. DISCUSSION

Atlantic Research Corp Washington D C Georgetown Research Project (400263)

7452A3 FLD: 15G, 5D, 925, 942 USGRDR7009

1964 20p

Supersedes Rept. no. AD-460 173.

ABSTRACT: Castro-Communist insurgency initially pursued a course which differed markedly from the Castro rebellion in Cuba. For three years (1960-1963), the Venezuelan insurgents attempted to win 'rapid victory' through strategies which placed primary reliance on urban and urban-based insurgency violence, including military garrison revolts. Rural guerrilla warfare was also employed, but only as a secondary insurgency tactic. Successive failures to gain 'rapid victory' induced the Venezuelan insurgents to adopt a new strategy of protracted war in 1964. Primary emphasis has since been placed on continuance and expansion of rural guerrilla warfare. Urban insurgency has been de-emphasized and subordinated to the rural guerrilla effort. (Author)

DESCRIPTORS: (*Insurgency, *Venezuela), (*Counterinsurgency, Reviews), Urban areas, Guerrilla warfare, Political science, Sociometrics, Management planning, Armed Forces(Foreign)

IDENTIFIERS: Castro communist insurgency, Poverty

AD-702 161 CFSTI Prices: HC\$3.00 MF\$0.95

SKIN SENSITIZATION POTENTIAL OF THE RIOT CONTROL AGENTS CA, DM, CN,
AND CS IN GUINEA PIGS

Edgewood Arsenal, Md. (401 007)

Technical rept. Jul 66-Oct 67

AUTHOR: Rothberg, Sidney

7002D4 FLD: 15B, 6P, 925 USGRDR7002

Mar 69 23p*

REPT NO: EA-TR-4219

PROJECT: DA-1-B-622401-A-097

TASK: 1-B-622401-A-09710

Distribution Limitation now removed.

ABSTRACT: It has been reported that o-chlorobenzylidene malononitrile (CS) showed evidence of a skin-sensitizing potential in man. This prompted a basic study of the skin sensitization capacity of CS and three other riot control agents in guinea pigs. The agents were administered by the intradermal or topical routes, or both, over a period of several weeks. Following an incubation period, the animals were challenged with suberythematous doses and readings were taken after a 72-hr observation period. It was concluded that: (1) neither CA nor DM produces skin sensitization in guinea pigs when administered intradermally; and (2) both CN and CS produce skin sensitization in guinea pigs when administered intradermally or topically. (Author)

DESCRIPTORS: (*CS agents, Skin), (*Non-lethal agents, Skin), (*Skin, antigen-antibody reactions), Irritating agents, Tear gas, Vomiting agents, Hazards, Anaphylaxis, Immunity, Guinea pigs, Injection (Medicine), Exposure, Dosage, Chemical warfare agents, Tropical regions, Wounds + injuries

IDENTIFIERS: *Riot control agents, Sensitization, Erythema, CA agent, CN agents, DM agent, Haptens

AD-849 672 CFSTI Prices: HC\$6.00 MF\$0.95

CUTANEOUS REACTION TO THE RIOT CONTROL AGENT CS

Edgewood Arsenal Md (401007)

AUTHOR: Weigand, Dennis A.

6912B2 FLD: 15B, 925 USGRDR7001

1969 4p

Availability: Pub. in Military Medicine, v134 n6 p437-440 Jun 69.

ABSTRACT: O-chlorobenzylidene malononitrile (CS) is a nonlethal, solid, particulate irritant agent which, in very low concentrations, produces immediate and marked irritation of the conjunctivae and the mucous membranes of the upper respiratory tract. Cutaneous reaction to CS exposure is not immediate, probably because of the barrier function of the stratum corneum. The stinging that develops within a few minutes is ordinarily much less severe than that of the eyes and nose. Severe cutaneous reactions, e.g., with bullae, are uncommon, occurring mostly in quite specific and unusual situations. The purpose of the paper is to describe the conditions under which such reactions have occurred and to present observations on the limited amount of controlled experimental exposure and decontamination that have been carried out. (Author)

DESCRIPTORS: (*CS agents, Skin), Exposure, Respiratory system, Eyes, Therapy

AD-696 863

POLITICAL DEVELOPMENT AND CIVIL DISORDER

Yale Univ New Haven Conn (382450)

Technical rept.

AUTHOR: Taylor, Charles Lewis

6593H3 FLD: 5D, 5J, 907 USGRDR6921

1 Sep 69 15p

REPT NO: TR-6

CONTRACT: N00014-67-A-0097, ARPA Order-1067

PROJECT: NR-177-916

Presented at the Annual Meeting of the American Political Science Association (1969), New York City, 2-6 Sep 69.

ABSTRACT: Civil disobedience, ie., demonstrations and riots, and more serious political disruption, eg., successful and attempted coups, are phenomena caused by an interaction of a number of political, cultural and economic forces. Regression analysis is employed to relate population and press freedom to these two dependent variables.

DESCRIPTORS: (*Group dynamics, Insurgency), (*Political science, Symposia), Friction, Regression analysis, Interactions, Population, Mathematical models, Behavior

IDENTIFIERS: Civil disorders, Press freedom, Ethnic groups, Civil disobedience, Political disruptions

AD-693 058 CPSTI Prices: HC\$3.00 MF\$0.95

A CLINICOPATHOLOGIC STUDY OF THE EFFECTS OF RIOT CONTROL AGENTS ON MONKEYS. IV. O-CHLOROBENZYLIDENE MALONONITRILE (CS) GRENADE

Edgewood Arsenal, Md. (401 007)

Technical rept. Nov 65-Jun 66

AUTHOR: Striker, G. E., Streett, C. S., Ford, D. F., Herman, L. H., Helland, D. R.

6475L4 FLD: 15B, 925 USGRDR6919

Jan 67 39p

REPT NO: EA-TR-4071

PROJECT: DA-1-C-522301-A-079

TASK: 1-C-522301-A-07908

See also Part 3, AD-808 730 and Part 5, AD-808 731. Distribution Limitation now Removed.

ABSTRACT: A study was made of the order, severity, and resolution of pathologic changes in *Macaca mulatta* monkeys exposed to CS, a riot control agent. When monkeys were exposed to CS (ct's of 2700, 8500, 28,500, or 80,000 mg min/cu m), the following observations were made: (1) The most prominent lesions seen after the two lower doses were mild pulmonary congestion, bronchorrhea, emphysema, and atelectasis. These lesions cleared by 72 hr but recurred at 1 wk and 30 days. (2) Oral and nasal discharges and dyspnea appeared early after a ct of 28,500. They were most severe between 12 and 24 hr and were resolved by 72 hr. pneumonia. Emphysema, and atelectasis were present 1 wk and 30 days after exposure. (3) Significant lesions were seen radiographically only in those monkeys exposed to a ct of 80,000. These lesions paralleled those seen on necropsy. At this ct, edema appeared by 12 hr, peaked between 24 and 48 hr, and cleared by 1 wk. Emphysema and bronchiolitis were present 1 wk and 30 days after exposure. (Author)

DESCRIPTORS: (*Tear gas, Effectiveness), (*CS agents, Effectiveness), Monkeys, Pathology, Grenades, Wounds + injuries, Lungs, Aerosols, Histology

AD-808 732 CFSTI Prices: HC\$6.00 MF\$0.95

THE EFFECTS OF THERMALLY-GENERATED CS AEROSOLS ON HUMAN SKIN

Edgewood Arsenal, Md. (401 007)

Technical rept. May-Jun 66

AUTHOR: Hellreich, Alfred, Goldman, Richard H., Bottiglieri, Nicholas G., Weimer, John T.

6313D2 FLD: 15B, 6E, 923 USGRDR6916

Jan 67 26p

REPT NO: EA-TR-4075

PROJECT: DA-1-C-622401-A-097

TASK: 1-C-622401-A-09708

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ABSTRACT: In order to determine whether CS aerosols, under tropical climatic conditions, offer any threat to the nonsensitized human integument, volunteers were exposed to high concentrations of CS for periods up to 1 hr. Second degree chemical burns occurred in four of the eight subjects exposed to a CT of 14,040 or 17,700. It was generally noted that the volunteers most susceptible to sunburn (e.g., blue-eyed blonds as opposed to non-caucasians) displayed the most severe reactions, even though ultraviolet light was not a factor in our study. It was also noted that the healing of minor wounds (scratches and needle marks) was not affected by the CS burns. Areas covered by fatigue uniform sleeves remained reaction-free in all cases, demonstrating the protective effect of the dry uniform. Very high CT's of CS (14,000) under tropical conditions of heat and humidity (with moderate wind velocity) produce vesication of human skin. The disability produced by these second degree chemical burns is treatable but may incapacitate the recipient for up to 10 days. (Author)

DESCRIPTORS: (*CS Agents, *Chemical warfare injuries), (*Skin, Chemical warfare injuries), Burns, Exposure, Sun, Aerosols, Integumentary system, Wounds + injuries, Healing, Protective clothing, Tropical tests, Ultraviolet radiation, Incapacitating agents, Insurgency

IDENTIFIERS: Civil disturbances, Vesications

AD-809 485 CFSTI Prices: HC\$6.00 MF\$0.95

PROCEEDINGS OF NATIONAL GAMING COUNCIL SYMPOSIUM (8th), JUNE 2nd -
24th

Booz-Allen Applied Research Inc Bethesda Md (060750)
6312D1 FLD: 12B, 929 USGRDR6916
Jun 69 500p

DESCRIPTORS: (*Game theory, *Symposia), Operations research,
Mathematical models, Mathematical programming, Information theory,
Decision theory, Human engineering, Management planning, Data
processing systems, Time sharing, Commerce, Political science,
Economics, Industries, Training, Hospitals, Rural areas, Urban areas,
Education, Manpower, War games, Warfare, Advanced planning, Law,
Criminology, Insurgency, Armed Forces operations

IDENTIFIERS: *Gaming models, Didactic games, Computerized simulation,
International relations, Economic development, Civil disturbances,
Juvenile delinquency, Information systems

AD-689 774 CFSTI Prices: HC\$6.00 MF\$0.95

BLACK NATIONALISM AND PROSPECTS FOR VIOLENCE IN THE GHETTO

Rand Corp Santa Monica Calif (296600)
AUTHOR: Pauker, Guy J.
6303L2 FLD: 5K, 5J, 942, 907 USGRDR6916
Jun 69 18p
REPT NO: P-4118

ABSTRACT: The document notes an acceleration of the revolutionary process in the black community in the last two or three years, offset in part by a time-lag between the state of mind of the most militant leaders and that of the masses whom they are trying to draw along with them. In discussing prospects for violence in the ghetto, the most important question asked is whether the rate of radicalization of the black masses is still slow enough to allow time for the implementation of measures that would arrest the trend which would make the militant leadership the controlling, dominant, political force of the black movement. (Author)

DESCRIPTORS: (*Insurgency, United States), (*Group dynamics, Urban areas), Stress (Psychology), Attitudes, Behavior, Predictions, Analysis

IDENTIFIERS: Black militancy, Ghettos, Violence, Objectives

AD-689 615 CFSTI Prices: HC\$3.00 MF\$0.95

CIVIL-DISORDER-INDICATOR STUDIES: SOME ASPECTS OF RIOT SUSCEPTIBILITY

Research Analysis Corp Mclean Va (302750)

Technical paper

AUTHOR: Rae, R. William

6302F3 FLD: 5J, 907 USGRDR6916

Jun 69 66p*

REPT NO: RAC-TP-347

CONTRACT: DAHC19-69-C-0017

ABSTRACT: The document is addressed to the problem of seeking methods for estimating the relative susceptibility to riot of different US communities on the basis of recent experience with civil disorders. (Author)

DESCRIPTORS: (*Stress (Psychology), *Urban areas), (*Insurgency, Statistical data), Psychometrics, Sources, Attitudes, Deterrence, Statistical distributions, Correlation techniques, Population, Economics, Regression analysis, Research program administration

IDENTIFIERS: *Civil disorders, *Riots, Standard metropolitan statistical areas, Negroes, Riot susceptibility

AD-689 544 CFSTI Prices: HC\$6.00 MF\$0.95

PHASES OF CIVIL DISTURBANCES: CHARACTERISTICS AND PROBLEMS

American Univ Washington D C Center for Research in Social Systems (401644)

AUTHOR: Rosenthal, Carl F.

6295I4 FLD: 5K, 942 USGRDR6916

Jun 69 71p*

ABSTRACT: The study elaborates upon phases in the social process that culminate in a civil disorder, applies the most recent data produced by social scientists and law enforcement personnel to this framework, determines key problem areas in maintaining law and order during each phase, and indicates within this framework any approaches that could provide effective countermeasures. (Author)

DESCRIPTORS: (*Insurgency, *Urban areas), (*Group dynamics, Analysis), Behavior, Phase, Threat evaluation, Leadership, Law, Police, Control systems, Attitudes, Countermeasures

IDENTIFIERS: *Civil disturbances, Ghettos, Riots, Race relations, Negroes, *Social processes

AD-689 461 CFSTI Prices: HC\$6.00 MF\$0.95

REPORT OF THE WORKING GROUP ON INCIPIENT INSURGENCY AT THE 21ST
MILITARY OPERATIONS RESEARCH SOCIETY

Institute for Defense Analyses Arlington Va Science and Technology Div
(403108)

AUTHOR: Coates, Joseph F., Williams, Robert H.

6224J3 FLD: 15G, 925 USGRDR6915

Jun 69 17p

REPT NO: Note N-614(R)

CONTRACT: DAHC15-67-C-0011

MONITOR: IDA/HQ-69-9889

ABSTRACT: Summaries are given of the following papers: A profile of incipient insurgency; The riot susceptibility of U. S. Cities; Local intelligence in counterinsurgency and police operations; Analysis of the Commander's response to Civil Military relations task; Stability operations systems; Police functions in stability operations; Police role in stability operations; Counterinfiltration operations in Borneo during the confrontation; Comments on incipient insurgency; Indicators of insurgency; The U. S. Military advisory impact in Thailand; Multivariate methods in the analysis of insurgency.

DESCRIPTORS: (*Insurgency, Symposia), Armed Forces operations, Military strategy, Urban areas, Military intelligence, Police, Borneo, Thailand, United States Government, Multivariate analysis

IDENTIFIERS: Riots

AD-688 448 CFSTI Prices: HC\$3.00 MF\$0.95

RESEARCH AND THEORY ON AGGRESSION AND VIOLENCE

Western Michigan Univ Kalamazoo (374950)

AUTHOR: Ulrich, Roger E., Wolfe, Marshall

6113D3 FLD: 5J, 5K USGRDR6913

Apr 69 16p

CONTRACT: N00014-67-A-0421

PROJECT: NR-171-807

ABSTRACT: The paper presents an approach to human aggression concerned with environmental stimuli. Recent research in the area of aggression and an analysis of aversive and reinforcing stimuli are presented. The paper concludes by suggesting some possible generalizations from the research findings on aggression to present cultural problems and the control of aggression. (Author)

DESCRIPTORS: (*Culture, Problem solving), (*Behavior, Theory), Performance(Human), Emotions, Research program administration, Analysis, Decision making, Attitudes, Group dynamics

IDENTIFIERS: *Aggressiveness, Violence, Riots, Negroes

AD-687 133 CFSTI Prices: HC\$3.00 MF\$0.95

THE LOS ANGELES RIOT STUDY. THE POLITICS OF DISCONTENT: BLOCKED MECHANISMS OF GRIEVANCE REDRESS AND THE PSYCHOLOGY OF THE NEW URBAN BLACK MAN

California Univ., Los Angeles. Inst. of Government and Public Affairs.

Final rept.

AUTHOR: Sears, David O., McConahay, John B.

6062K3 FLD: 5K, 5J USGRDR6912

1 Jun 67 78p

CONTRACT: OEO-666

ABSTRACT: The report examines two hypotheses about the origins of the Los Angeles riot of August, 1965. The first is that riot participation depended on socialization to norms of active confrontation with a repressive white majority population. The second hypothesis is that the rioters struck out at the symbols of white authority, if indeed not at the symbols of white society more generally, because they felt they had no other recourse. The report also examines whether or not black leadership is seen in the black community as a viable alternative to the normal political mechanisms. (Author)

DESCRIPTORS: (*Social communication, Propaganda), (*Group dynamics, Urban areas), Attitudes, Emotions, Reaction (Psychology), Political science, Sociometrics, California

IDENTIFIERS: Los Angeles (California), Mass violence, Civil disturbances, Riot behavior

PB-183 533 CFSTI Prices: PC\$6.00 MF\$0.95

PSYCHO-SOCIAL DYNAMICS IN MIAMI

Miami Univ., Coral Gables, Fla. (228 100)

Summer study rept.

6045G3 FLD: 5J, 5K USGRDR6912

Jan 69 656p*

CONTRACT: H-983

ABSTRACT: The report is the record and result of a composite effort of a large number of individuals involved in a summer study of Miami, Florida, to analyze the broad urban-related implications of the situation in the Miami community created by the large influx of Cuban refugees after Castro came to power in Cuba and to investigate the interrelationships, interactions, images and projections in the community among Negroes, Cuban refugees, other minorities and the predominant white component of the Miami area, in relationship to the discontents and concerns of these groups. (Author)

DESCRIPTORS: (*Sociometrics, Florida), Group dynamics, Population, Statistical data, Economics, Criminology, Interactions, Law, Public health, Education, Leadership, Organizations, Adolescents, Friction, Attitudes

IDENTIFIERS: Welfare, Cuban refugees, Negroes, Miami, White population, Civil disorders

PB-183 401 CFSTI Prices: PC\$6.00 MF\$0.95

INDICATORS OF SOCIAL VULNERABILITY: SOCIAL INDICATORS IN CIVIL
DEFENSE PLANNING AND EVALUATION

Human Sciences Research Inc Mclean Va (173250)

Final rept.

AUTHOR: Vertermark, S. D. Jr, Greer, Scott, Kornhauser, William,
Sween, Joyce, Winch, Robert

6022C4 FLD: 5K, 15C, 5A USGRDR6912

Aug 68 324p

REPT NO: HSR-RR-68/12-Be

CONTRACT: DAHC20-67-C-0136

ABSTRACT: The purpose of this report is to propose and outline some new analytic tools for applying social information to systems planning and systems evaluation in civil defense. As one of a series of related reports on the social dimensions of civil defense systems analysis, this report builds on more general work which has been reported at earlier times. (Author)

DESCRIPTORS: (*Civil defense systems, Management planning), (*Management planning, Sociometrics), Social psychology, Vulnerability, Attitudes, Group dynamics, Organizations, Law, Population, Management planning, Children, Nuclear warfare

IDENTIFIERS: Post attack planning, Civil disobedience, Social effects indicators

AD-685 881 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY. IDEOLOGICAL FOUNDATIONS FOR NEGRO ACTION: A
COMPARATIVE ANALYSIS OF MILITANT AND NON-MILITANT VIEWS OF THE LOS
ANGELES RIOT

California Univ., Los Angeles. Inst. of Government and Public
Affairs.

Final rept.

AUTHOR: Tomlinson, T. M.

5985E4 FLD: 5J USGRDR6911

1 Jun 67 57p

CONTRACT: OEO-666

See also PB-176 367, dated 1 Jun 67.

ABSTRACT: The study uses attitudes toward the Black Muslims as a
criterion of militance. It is based on data provided by a study of the
Los Angeles riot of 1965. The respondents are divided into groups as a
function of their view of the Muslims. The purpose of this method is
to tap an underlying dimension of militance; namely, the influence of
black consciousness on the formation of attitudes relevant to Negro
action. (Author)

DESCRIPTORS: (*Stress(Psychology), *Urban areas), (*Insurgency,
*California), Group dynamics, Psychometrics, Analysis, Emotions,
Attitudes, Statistical data, Predictions

IDENTIFIERS: Ideologies, Riots, Los Angeles(California), Black Muslims

PB-183 170 CFSTI Prices: PC\$6.00 MF\$0.95

DECONTAMINATION OF CS/CN RIOT-CONTROL AGENTS

Edgewood Arsenal Md (401007)

Special pub.

5743H4 FLD: 15B USGRDR6908

Feb 69 7p

REPT NO: EA-SP-600-3

ABSTRACT: The two types of riot-control agents, CS and CN, used currently in quelling civil disorders are similar, but not identical. However, the same method of decontamination is recommended for both agents, namely: a light-duty detergent such as those recommended for synthetic fabrics and dishes may be used, or a heavy-duty detergent such as those recommended for washing cotton and other heavier materials. (Author)

DESCRIPTORS: (*Non-lethal agents, Decontamination), Irritating agents, CS agents, Cleaning compounds, Cleaning, Ventilation, Respiration, Protective mask facepieces, Chlorine compounds, Acetophenones

IDENTIFIERS: CN agents

AD-682 717 CFSTI Prices: PC\$3.00 MF\$0.95

THE NEGRO VETERAN: A REPORT COMPRISING THE STUDY AND ANALYSIS OF PROBLEMS RESULTING FROM THE RETURN OF NEGRO VETERANS TO THE HARD-CORE GHETTO POPULATION IN THE CITY OF BALTIMORE, MD

Programming Sciences Corp., Washington, D. C.

Final rept. 1 May-14 Jun 68

AUTHOR: Jones, Clifton R.

5203L2 FLD: 5J, 5K USGRDR6823

30 Aug 68 101p*

CONTRACT: B89-4423

ABSTRACT: This pilot study of the problems of readjustment to civilian life of Negro Vietnam veterans grew out of the concern of a number of competent observers that the violence that has burst forth in the ghettos of our cities during the past five summers might recur. Moreover, there was a fear that if violence should recur, Negro veterans who were residents might not only actively participate in it as a result of their disappointment and frustration, but that they might give the movement leadership and direction. In addition, there was a desire to know what concrete plans community agencies and employers had developed to provide veterans with the services they would need and the employment they had been led to expect.

DESCRIPTORS: (*Psychometrics, *Urban areas), (*Military personnel, Attitudes), Group dynamics, Emotions, Motivation, Employment, Wages, Interactions, Money, Housing, Behavior

IDENTIFIERS: Veterans, Negroes, Riots, Ghettos, Baltimore(Maryland)

PB-179 726 CPSTI Prices: PC\$6.00 MF\$0.95

NEGRO MILITANCY AND MARTIN LUTHER KING: THE AFTERMATH OF MARTYDOM

Miami Herald, Fla.

Final rept.

AUTHOR: Meyer, Philip

5153C2 FLD: 5K, 5J USGRDR6822

Aug 68 34p*

CONTRACT: C-89-2901

ABSTRACT: The document covers the characteristics and growth of Negro militancy in the United States, with particular regard to effects of the assassination of Martin Luther King.

DESCRIPTORS: (*Group dynamics, Stress(Psychology)), (*Reaction(Psychology), Statistical analysis), Urban areas, Attitudes, Sampling, Sociometrics, Behavior, Emotions, Interactions

IDENTIFIERS: Assassinations, Negro militancy, Ethnic groups, Riots

PB-179 559 CFSTI Prices: PC\$6.00 MF\$0.95

RIOTERS IN WASHINGTON: A STUDY OF PEOPLE AND EMPLOYMENT

Software Systems, Inc., Falls Church, Va.

AUTHOR: Strasel, H. C., Larkin, Paul G.

5145B1 FLD: 5J USGRDR6822

Aug 68 85p*

CONTRACT: DL-81-49-68-31

See also Appendices, PB-179 566.

ABSTRACT: An analysis was made of responses to nearly a thousand bail questionnaires administered to persons arrested as a result of rioting in Washington, D. C. in April, 1968. The analysis has generated a description of the persons arrested in terms of personal, racial, family, residency, education, and employment characteristics. Some subdivisions of the data were also analyzed. The study was primarily directed toward providing a descriptive snapshot of the accused rioters through an analysis of data contributed directly by these individuals. There were two central questions: What types of people were arrested and what was their employment experience. (Author)

DESCRIPTORS: (*Insurgency, Urban areas), (*Sociometrics, Insurgency), Manpower studies, Employment, Statistical distributions, Attitudes, Background, Questionnaires, Sex, Addiction, Money, Education, Students, Prisoners, Delinquency, Tables, District of Columbia

IDENTIFIERS: *Riots, Ethnic groups, Washington(D

PB-179 565 CFSTI Prices: PC\$6.00 MF\$0.95

RIOTERS IN WASHINGTON: A STUDY OF PEOPLE AND EMPLOYMENT. APPENDICES

Software Systems, Inc., Falls Church, Va.

5144D4 FLD: 5J USGRDR6822

Aug 68 70p*

CONTRACT: DL-81-49-68-31

See also Basic Report, PB-179 565.

ABSTRACT: These data tables and materials are supportive to discussions in the body of the report. These appendices present detailed data developed during the analysis and interpretation of personal, residency, and employment data collected from 978 of the bail applicants during April 1968. These persons were arrested in connection with the rioting and looting which developed following the shooting of Dr. Martin Luther King, Jr. curfew violators were excluded from this group. No follow-up data are available as to the disposition of the arrestees. (Author)

DESCRIPTORS: (*Insurgency, Urban areas), (*Sociometrics, Insurgency), Manpower studies, Employment, Statistical distributions, Population, Education, Statistical data, Money, Economics, District of Columbia, Tables

IDENTIFIERS: *Riots, Unemployment, Interviews

PB-179 566 CPSTI Prices: PC\$6.00 MF\$0.95

A SELECTED BIBLIOGRAPHY OF CROWD AND RIOT BEHAVIOR IN CIVIL DISTURBANCES

American Univ., Washington, DC. Special Operations Research Office.
(329 770)

AUTHOR: Jones, Adrian, Dodson, James

5091K3 FLD: 5J, 5K USGRDR6821

May 65 27p*

REPT NO: SORO/CINFAC-85-65

ABSTRACT: This selected bibliography was assembled for the purpose of facilitating research being conducted by the operational applications research division of SORO. The pertinent research is concerned with the subversive manipulation of crowds and civil disturbances.
(Author)

DESCRIPTORS: (*Group dynamics, Bibliographies), Social communication, Emotions, Behavior, Stress(Psychology), Sociometrics, Criminology, Abnormal psychology, Propaganda

IDENTIFIERS: Riot behavior, Riots, Crowd, Civil disturbances, Subversion

AD-463 386 CFSTI Price: PC\$6.00

RIOT PREVENTION AND CONTROL: OPERATIONS RESEARCH RESPONSE

System Development Corp Santa Monica Calif (339900)

AUTHOR: Herrmann, William W.

4943J4 FLD: 5J USGRDR6819

8 Apr 68 27p*

REPT NO: SDC-SP-3116

Presented at the National Symposium on Law Enforcement Science and Technology (2nd), IIT Research Inst., Chicago, Ill., 17 Apr 68.

ABSTRACT: In terms of alternative strategies, tactics, states of nature, utility measures, and criteria of operational effectiveness there are considerable differences between pursuing the objectives of: (1) simply maintaining public order; (2) maintaining public order within the constraints of a free society; and (3) improving systems for the 'administration of justice.' There is a real urgency implicit in the need for developing new concepts and acquiring new knowledge, techniques and tools essential to an understanding of the problems associated with civil disorder. Of equal importance, there is an urgent need for translating the new concepts, technologies and resources into viable institutions and programs that may bear little resemblance to 'traditional' patterns of action. Operations research offers an array of techniques that may be of considerable value in examining the probable consequences attendant upon breaking with traditional approaches to what appears to be a complex interrelationship of intransigent problems. (Author)

DESCRIPTORS: (*Group dynamics, Control systems), Social psychology, Inhibition, Interactions, Behavior, Attitudes, Law, Political science, Effectiveness, Criminology, Management planning, Economics, Responses

IDENTIFIERS: *Riot prevention, *Riot control, *Civil disturbances

AD-672 777 CFSTI Prices: PC\$6.00 MF\$0.95

STATE LEGISLATIVE AND CONSTITUTIONAL ACTION ON URBAN PROBLEMS IN 1967

Advisory Commission on Intergovernmental Relations, Washington, DC.

Information rept.

4914I3 FLD: 13B, 5K USGRDR6818

Apr 68 33p*

REPT NO: M-38

ABSTRACT: The racial unrest and civil disorder which occurred in many of the Nation's cities during 1967 clearly revealed the necessity for increased action by all three levels of government, in addition to private enterprise, to resolve the urban crisis. Such problems as blight and decay, congestion, inadequate housing, poor educational facilities, discrimination, and unemployment predominated in, but were not limited to, central cities. While many of these problems have traditionally characterized the urban environment, the rioting and general breakdown of law and order highlighted the implications of the failure to provide effective and innovative remedial measures. The urban challenge in 1967 basically reflected the need for a federal system which is 'creative' as well as 'cooperative.' (Author)

DESCRIPTORS: (*Urban planning, United States Government), (*Social communication, Urban areas), Law, Public opinion, Money, Problem solving, Housing, Education, Management planning, Sociometrics, Air pollution, United States, Water pollution, Construction

IDENTIFIERS: Discrimination, Civil disorders, State aid, Federal aid

PB-178 982 CFSTI Prices: PC\$6.00 MF\$0.95

A SELECTED BIBLIOGRAPHY OF CROWD AND RIOT BEHAVIOR IN CIVIL
DISTURBANCES, SECOND EDITION

American Univ Washington D C Center for Research in Social Systems (401644)

AUTHOR: Jones, Adrian, Bittick, Margaret, Currier, Nancy

4883G4 FLD: 5K USGRDR6818

Jul 68 54p

CONTRACT: DAHC19-67-C-0046

See also AD-463 386.

ABSTRACT: Crowd and riot behavior in civil disturbances is the subject of this selected and partially annotated bibliography, which is a greatly expanded version of the bibliography of the same title published in 1965. It contains a broad selection of references in categories such as history, social science theory, police and military operations, riot investigations, social science research, and civil disturbance manuals. The entries include books, theses and other unpublished documents, articles from professional journals in the fields of social science and law enforcement, and newspaper articles. (Author)

DESCRIPTORS: (*Insurgency, Urban areas), Behavior, Criminology, Police, Social psychology, Group dynamics, Disasters, Bibliographies

IDENTIFIERS: *Civil disturbances, *Riots, *Riot control

AD-672 075 CFSTI Prices: PC\$6.00 MF\$0.95

EMERGENCY OPERATIONS SYMPOSIUM (2ND), SEPTEMBER 7-8 1967

System Development Corp Santa Monica Calif (339900)
4843I4 FLD: 13L, 15C, 5K USGRDR6817
15 Apr 68 291p
REPT NO: SDC-SP-3100

ABSTRACT: In keeping with the 1967 theme 'Improving Emergency Operations through Coordination, Control, Research, and Planning,' the two-day conference was organized into four pannels, each devoted to one major theme: (1) organization and operations; (2) problems and issues in selected emergency operations-issues and accomplishments; (3) applications and research; and (4) planning for emergency operations. Formal papers were presented by organizations concerned with preparations for disaster and civil defense. The problem of growing urban tensions and civil disorder was discussed. It was hoped that the conference should assist, through the sharing of ideas and perspectives, the enhancement of recovery ability, the institution of more effective measures of control, and the prevention of disaster by improved planning. (Author)

DESCRIPTORS: (*Disasters, Symposia), Civil defense systems, Nuclear warfare, Urban areas, Management planning, Organizations, Public health, Foreign aid, Attitudes, Stress(Psychology), Urban planning, Sociology, Recovery, Operations research

IDENTIFIERS: Civil disorders, Riot control, Emergency planning

AD-671 782 CFSTI Prices: PC\$6.00 MF\$0.95

BRAIN FUNCTION. VOLUME V. AGGRESSION AND DEFENSE: NEURAL MECHANISMS AND SOCIAL PATTERNS

California Univ Los Angeles Brain Research Inst (072253)

UCLA Forum in Medical Sciences No. 7

AUTHOR: Clemente, Carmine D., Lindsley, Donald B.

4733A4 FLD: 5J, 6E USGRDR6815

1967 372p

CONTRACT: AF 49(638)-1564

PROJECT: AF-7164

MONITOR: AFOSR-68-1341-Vol-5

Proceedings of the Conference on Brain Function (5th), Nov 65, Sponsored by the Brain Research Institute, University of California Los Angeles.

Availability: Available from University of California Press, Berkeley and Los Angeles, California, paper copy \$15.00.

ABSTRACT: Contents: Development of aggression as a factor in early human and pre-human evolution; Attack and defense in animal societies; Ontogenetic and maturational studies of aggressive behavior; Brain mechanisms related to aggressive behavior; Aggression, defense and neurohumors; Aggression and defense under cerebral radio control; Aggression as studied in troops of Japanese monkeys; Aggressive behavior in cetacea; Experiments on automatism and intent in human aggression; Human aggression in psychiatric perspective; Rebellion in Los Angeles: The Watts Riots; The social and political framework of war and peace.

DESCRIPTORS: (*Social psychology, *Behavior), Anthropology, Psychiatry, Defense mechanisms(Psychology), Primates, Cetacea, Humans, Group dynamics, Electrophysiology, Stress(Psychology), Adjustment(Psychology), Adaptation(Physiology), Brain, Infants, Reflexes, Attitudes, Emotions, Hormones, Motivation, Psychoses, Culture, Warfare, Survival

IDENTIFIERS: *Aggression, Race riots, Negroes

AD-670 424

CINFAC BIBLIOGRAPHIC REVIEW: SUPPLEMENT NO. 16

American Univ Washington D C Center for Research in Social Systems (401644)

AUTHOR: Berry, Heidi, Daniel, Steven, Morse, Janet

4713C2 FLD: 15G, 5D USGRDR6815

Feb 68 69p

CONTRACT: DAHC19-67-C-0046

See also AD-608 681.

ABSTRACT: A bibliography is presented of unclassified English-language books and articles on internal defense/development; psychological operations; unconventional warfare; and economic, political, and social background factors. Within each of these subject areas the entries are categorized and cross-referenced by specific problem and area. All citations except those in the bibliographic essay are indexed by author and title. Civil disturbance is the subject of a bibliographic essay; Philippine geography, Indonesian nationalism, and a civil disturbance in the United States are the subjects of three book reviews. (Author)

DESCRIPTORS: (*Counterinsurgency, Bibliographies), (*Unconventional warfare, Bibliographies), (*Psychological warfare, Bibliographies), Military tactics, Insurgency, Guerrilla warfare, Political science, Propaganda, Sociology, History, Economics, Leadership, National defense, Indexes, Reviews, Geography

IDENTIFIERS: *Area studies, Internal security, Ambushes, Civil disturbances

AD-669 949 CFSTI Prices: PC\$6.00 MF\$0.95

CIVIL DISTURBANCES AND DISASTERS

Department of the Army Washington D C (109900)

4713A3 FLD: 5K, 5D, 13L USGRDR6815

Mar 68 154p

REPT NO: DA-FM-19-15

Availability: Hard copy available from the Superintendent of Documents, GPO, Washington, D. C. 20402, \$1.00 as D101.20:19-15.

ABSTRACT: The manual provides guidance for commanders and their staffs in preparing for and participating in civil disturbance control operations, and providing support in disaster relief operations. It covers policies and legal considerations, the organization, planning, training and operational techniques and tactics required for employing units in civil disturbance control operations and the support of disaster relief operations. (Author)

DESCRIPTORS: (*Criminology, Control), (*Disasters, Military personnel), Sociology, Leadership, Law, Management planning, Operations research, Logistics, Fires, Firefighting vehicles, Safety, Training, Delinquency, Non-lethal agents, Instruction manuals

IDENTIFIERS: *Civil disturbances, Riots, Riot control, Riot control agents, Antilooting measures, Antisniping measures

AD-669 942 CFSTI Prices: MF\$0.95

THE DETROIT RIOT OF JULY 1967

Behavior Research Inst., Detroit, Mich.

AUTHOR: Lachman, Sheldon J., Singer, Benjamin D.

463113 FLD: 5K, 5J USGRDR6813

1968 79p

CONTRACT: DL-81-24-68-03

A psychological, social, and economic profile of 500 arrestees.

ABSTRACT: On Sunday, July 23, 1967, a riot broke out in Detroit, Michigan which involved destruction of property, looting, arson, and shooting. Property damage was extensive, many hundreds were injured, and at least 43 persons died. A research investigation into certain psychological, social, and economic aspects of persons alleged to have participated in the riot was conducted. With the aid of a questionnaire containing structured and open-ended questions, 500 male Negroes charged with participation in the riot were interviewed at places of detention. All interviews were completed by Friday, August 4, 1967. The objectives of the study were to ascertain basic demographic characteristics, attitudes toward Negro leadership and civil rights, information about preferred communications media and use of such media with special reference to the riot, ideas concerning causation, prevention, and means of breaking up civil disturbances, and information about economic welfare of respondents. Results are presented primarily in tabular form with narrative citation of major points. (Author)

DESCRIPTORS: (*Insurgency, Urban areas), Questionnaires, Sociology, Social psychology, Damage, Economics, Attitudes, Leadership, Social communication, Prisoners, Behavior, Statistical analysis, Michigan

IDENTIFIERS: Negroes, Riots, Detroit(Michigan)

PB-178 035 CFSTI Prices: PC\$6.00 MF\$0.95

EOC DISPLAY SYSTEM EVALUATION

System Development Corp Santa Monica Calif (339900)

Technical memorandum

AUTHOR: Miller, Robert J.

4552A4 FLD: 15C, 9B USGRDR6812

16 Aug 67 187p

REPT NO: TM-3832

Prepared in cooperation with Stanford Research Inst., Menlo Park, Calif.

ABSTRACT: This document presents the results of the investigation of the value of semiautomated display systems for emergency operations at the municipal level. The evaluation consisted of two phases: Phase I was directed toward determining the value of semiautomated displays for municipal executives in their emergency decision making using a model semiautomatic display system in a simulated emergency operations context. Phase II was a human engineering investigation of the operator and viewer interface with the model display system, to identify those design changes that should be incorporated if Phase I indicated that a semiautomatic system was desirable. The findings of these two phases are presented, together with a discussion of the value of semiautomatic displays at the local level, the required characteristics of displays for municipal-level EOCs, and the value of fully-automatic systems at the local, state and regional levels.
(Author)

DESCRIPTORS: (*Civil defense systems, Display systems), Automatic, Human engineering, Urban areas, Civilian personnel, Data transmission systems, Decision making, Models (Simulations), Performance (Engineering), Nuclear warfare, Radiation hazards, Earthquakes, Floods, Man-machine systems, Effectiveness, Digital systems, Control panels

IDENTIFIERS: Emergencies, Riots, EOC (Emergency Operating Center), *Emergency operating centers

AD-667 964 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY SUMMARY AND IMPLICATIONS FOR POLICY

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Cohen, Nathan E.

4445F2 FLD: 5J USGRDR6809

1 Jun 67 44p

CONTRACT: OEO-666

Prepared in cooperation with Office of Economic Opportunity, Washington, D. C.

ABSTRACT: The Los Angeles Riot Study was initiated immediately after the 1965 Los Angeles riot. During the five months following the riot, 2,070 personal interviews were collected in a survey which sampled seven basic populations: The Negro curfew area residents; Negro riot arrestees; White residents of greater Los Angeles; White curfew area residents; Mexican-American curfew area residents; social service workers; and merchants who incurred damage during the riots. Interviews were about two hours in length. The interview schedule covered questions of attitude toward the riot, activity in the riot, general social and political attitudes, and background information. Interviewers were selected from the area. (Author)

DESCRIPTORS: (*Urban areas, Group dynamics), (*Stress (Psychology), Symposia), Public opinion, Sampling, Collecting methods, Friction, Attitudes, Employment, Education, Sociometrics, Social communication, Housing, Statistical data

IDENTIFIERS: Race riots, Los Angeles (California), Ethnic groups, Family relations, Political structures

PB-177 677 CFSTI Prices: PC\$6.00 MF\$0.95

ANNUAL ARMY HUMAN FACTORS RESEARCH AND DEVELOPMENT CONFERENCE (11TH),
HELD AT JOHN F. KENNEDY CENTER FOR SPECIAL WARFARE, FORT BRAGG, NORTH
CAROLINA, 3-6 OCTOBER 1965

Office of the Chief of Research and Development (Army), Washington, D.
C.

4102H2 FLD: 5E USGRDR6802
Oct 65 368p

ABSTRACT: Contents: Some reflections on social sciences support for stability operations - past and future; The army's role in preventing insurgencies; The present challenge - counterinsurgency operations; Toward defining an appropriate role for the military in stability operations; The theoretical deficiency and problems of professionalism and civil-military relations; Response of US personnel to local customs in stability operations; The role of minority groups in counterinsurgency; Operational psychiatric research in the field in South Vietnam; The organization and evaluation of data on urban areas in counterinsurgency planning; The role of crowds in civil disturbances; Prisoner behavior in simulated interrogations; Some notes on exploratory research on the genesis of social conflict; Toward the development of civic action doctrine; Psychological warfare research in Malaya, 1952-55; Selection and classification research in Korea; Development of a short, practical, programmed Vietnamese course; Simulation techniques for area training; Psychological factors in selection of special forces officers; Some effects of stress on rifle firing; Smoke marker detection and identification study; and Night operations, human capacities, and equipment compromises.

DESCRIPTORS: (*Human engineering, *Symposia), Classification, Night warfare, Vietnam, Simulation, Training, Counterinsurgency, Social sciences, Applied psychology, Cybernetics, Reaction (Psychology), Reflexes, Armed forces operations, Army personnel, Military tactics, Stability, Stress (Psychology), Psychological warfare, Personnel, Psychiatry, Urban areas, Group dynamics, Prisoners, Psychometrics, Insurgency

IDENTIFIERS: Stability operations, Civil disturbances

AD-478 712 CFSTI Prices: PC\$6.00 MF\$0.95

THE LOS ANGELES RIOT STUDY (LARS)

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Cohen, Nathan E.

4053K1 PLD: 5K USGRDR6801

1 Aug 67 20p

CONTRACT: OEO-666

ABSTRACT: The authors conclude that a comprehensive approach is needed to the racial problem which reflects a knowledge of the differential aspects of the three Negro groupings (traditionalists, survivalists, and militants), their interrelationships, and the core of their common concerns as well as their differences. This will necessitate dialogue with representation from all three groups. The White Community's hostility towards the 'militants' should not blind them to the growing role of this group in the Negro Community. The question of jobs should be first on the agenda. Also high on the agenda should be issues such as poor neighborhood conditions, discriminatory practices, and social control malpractices. Also essential is the role and responsibility of the larger context within which the Negro community operates, namely, the White Community. The White Community is both helper and barrier to the solution of the problems.

DESCRIPTORS: (*Sociology, Urban areas), California, Population, Sampling, Questionnaires, Attitudes

PB-176 372 CFSTI Prices: PC\$6.00 MF\$0.95

THE STRUCTURE OF DISCONTENT: THE RELATIONSHIP BETWEEN SOCIAL STRUCTURE, GRIEVANCE, AND SUPPORT FOR THE LOS ANGELES RIOT

California Univ., Los Angeles Inst. of Government and Public Affairs.
AUTHOR: Murphy, Raymond J., Watson, James M.

4053J4 FLD: 5K USGRDR6801

1 Jun 67 116p

CONTRACT: OEO-666

ABSTRACT: While it is self-evident that considerable unrest must have been present in the Negro ghetto to produce the violent riots of 1965, it is not nearly so obvious what kinds of persons participated in the violence nor which grievances they felt most acutely. It is the purpose of this report to investigate the relationship between types and levels of discontent and support and participation in the riot. The research attempts to show that South Central Los Angeles, home of the riot, consists of a wide variety of groups, and it indicates both the kinds of persons most aggrieved in the community and the effects of structural differentiation in the community on attitudes of despair and hostility. Evidence is presented on (1) the extent and level of types of grievance for the sample population, and their degree of participation and support for the riot; (2) the relationship between grievance and riot-related behavior and attitudes; and (3) an attempt to partition out the relative effects of structure and level of discontent on the propensity to favor and support (or legitimize) violence. (Author)

DESCRIPTORS: (*Sociology, Urban areas), California, Behavior, Attitudes, Motivation, Criminology, Questionnaires

IDENTIFIERS: Negroes, Race riots

PB-176 370 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY POLITICAL ATTITUDES OF LOS ANGELES NEGROES

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Sears, David O.

4053J3 . FLD: 5K, 5D USGRDR6801

1 Jun 67 29p

CONTRACT: OEO-666

ABSTRACT: The study summarizes political attitudes held by Negro residents of the South Central Los Angeles Curfew Zone after the rioting of 1965. It focuses upon attitudes in four areas: national partisan politics, local government in Los Angeles, Negro politics, and generalized trust in the political system. The data come from three interview samples taken in late 1965 and early 1966: (1) a representative sample of Negroes living in the Curfew Zone of South Central Los Angeles (N = 586), (2) a sample of Negroes arrested during the 1965 rioting (N = 124), and (3) a sample of whites from six communities in Los Angeles County (N = 578). (Author)

DESCRIPTORS: (*Sociology, Urban areas), California, Attitudes, Sampling, Questionnaires, Political science, Leadership

IDENTIFIERS: Negroes, Race riots

PB-176 369 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY: THE GHETTO MERCHANT SURVEY

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Raine, Walter J.

4053J2 FLD: 5K USGRDR6801

1 Jun 67 29p

CONTRACT: OEO-666

ABSTRACT: In the Los Angeles ghetto, where the merchant is a member of an elite, better-educated group, resentments between merchants and customers abound. Many of these merchants were driven out by the 1965 riot; for others, particularly those giving heavy credit, the ghetto is no longer a good place to do business. Apparently, many of them will leave the area. It must become a question of public policy as to whether these types of enterprises will be supported in some way, or perhaps Negro businessmen will be encouraged to fill the gap. It is evident that a considerable proportion of merchants would choose to change certain of the conditions of ghetto life, by one or more means. It is striking that these are all grand, rather far-off goals which look good on paper, but never involve the merchant with any change in his personal attitudes toward Negroes, or his way of doing business, or any fundamental change in the existing network of psychological alienation between Negro customer and white merchants. It is speculated that naming a distant goal like 'more education' is a way of not coming to grips with the reality of the poor relationships that now exist. The white merchant who gives praise to large nice-sounding programs of help for the Negro, does not see the gulf that exists between him and the Negro, man to man, person to person. (Author)

DESCRIPTORS: (*Sociology, Urban areas), California, Questionnaires, Commerce, Criminology, Population, Statistical analysis, Sampling, Attitudes

IDENTIFIERS: Negroes, Race riots

PB-176 368 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY METHOD: NEGRO REACTION SURVEY

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Tomlinson, T. M., TenHouten, Diana L.

405311 FLD: 5K USGRDR6801

1 Jun 67 14p

CONTRACT: OEO-666

ABSTRACT: The report provides a detailed description of the data-gathering and data-analysis procedures for the sample of Negro respondents interviewed during the Los Angeles Riot Study. The basic data-gathering procedure for several ancillary samples is also provided. (Author)

DESCRIPTORS: (*Sociology, Urban areas), Questionnaires, Attitudes, Sampling, Criminology, Reliability, California

IDENTIFIERS: Negroes, Race riots

PB-176 367 CFSTI Prices: PC\$3.60 MF\$0.95

THE CONTEXT OF THE CURFEW AREA

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Cohen, Nathan E.

4053F3 FLD: 5K USGRDR6801

1 Jun 67 42p

CONTRACT: OEO-666

Report on Los Angeles Riot Study.

ABSTRACT: The report describes the pre-riot conditions in the South Central Area of Los Angeles. It presents the social, economic, and political context within which the violent events of August 11-15, 1965 took place.

DESCRIPTORS: (*Sociology, Urban areas), California, Economics, Political science, Population, History, Employment, Statistical analysis, Public health, Housing, Education, Children, Recreation, Organizations, Police

IDENTIFIERS: Negroes, Race riots

PB-176 371 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY NEGRO ATTITUDES TOWARD THE RIOT

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Tomlinson, T. M., Sears, David O.

4053E3 PLD: 5K USGRDR6801

1 Jun 67 38p

CONTRACT: OEO-666

ABSTRACT: Nonviolent protest was one of the characteristics of the civil rights movement in its early phases. No such morality appears in these data. The Negro respondents did not like the riot events, but they did not profess moral outrage as did the white respondents. Nonviolence appears to have lost its hold on Negroes as a protest form in the face of continued frustration of aims, and it follows that the country may expect increased rather than decreased civil disturbances. That more violence will come after the Los Angeles riot is already a foregone conclusion. Many Negroes still maintain a poignant faith in the good will of white society, but that faith is being turned into despair as years pass with no material change in their lot. Out of despair, alternatives are tried which in better circumstances would never be considered. One of these alternatives is a riot, and it is a rock-bottom plea for help. The white society would do well to keep in mind that force will suppress the response, but not the motive and the conditions from which it comes. (Author)

DESCRIPTORS: (*Sociology, Urban areas), Criminology, Attitudes, Behavior, California

IDENTIFIERS: Negroes, Race riots

PB-176 366 CFSTI Prices: PC\$6.00 MF\$0.95

LOS ANGELES RIOT STUDY: RIOT PARTICIPATION

California Univ., Los Angeles. Inst. of Government and Public Affairs.

AUTHOR: Sears, David O., McConahay, John B.

4053E2 FLD: 5K USGRDR6801

1 Jun 67 28p

CONTRACT: OEO-666

ABSTRACT: Analysis of two samples, a random sample of the Curfew Zone and a sample of persons arrested for riot activity, suggests the following conclusions: (1) Up to 15% of the Negro adult population, or as many as 34,000 persons, were aggressively active during the riot. These people were more than just spectators and were greater in number than the entire combat commitment of the United States in Vietnam at the end of 1964. (2) An additional 31% of the Negro adult population, or at least 64,000 persons, were active spectators to the disturbance. They were on the streets, close enough to see crowds of people, and stores being looted and burned. It seems clear that they formed a permissive, if not actively supportive, audience for the rioting. The proportion in the crowds who actively opposed the rioting was very small. (3) Previous estimates of the magnitude of participation have seriously underestimated the broad base of the riot. (4) The scale of the rioting, both geographically and in terms of the number of people involved, was such that most of the people in the Curfew Zone were touched personally by it. (5) The most active were young men. Young women were more active than men over 30, suggesting a substantial 'generation gap' in the Negro community. The picture portrayed by these data is one of widespread community involvement in the riot, though it does not rule out the possibility that certain acts were the work of a small minority. But it is emphasized that a majority of the area's inhabitants were involved in the incidents, at one level or another. Further, the data imply that the burning and looting of places of business, if not the shooting and rock throwing, took place in open view of and with the passive consent (if not approval) of a majority of the Negro community. (Author)

DESCRIPTORS: (*Sociology, Urban areas), California, Behavior, Criminology, Attitudes, Population, Police, Statistical analysis

IDENTIFIERS: Negroes, Race riots

PB-176 364 CFSTI Prices: PC\$6.00 MF\$0.95

CHARACTERISTICS OF RIOT CONTROL AGENT CS

Edgewood Arsenal Md (401007)

Special pub.

4043K3 FLD: 15B, 5K USGRDR6801

Oct 67 8p

REPT NO: EA-SP-600-1

ABSTRACT: The report was prepared for release to local and state law enforcement agencies and medical and safety personnel, in response to requests for information on the characteristics and effects of agent CS. (Author)

DESCRIPTORS: (*CS agents, Effectiveness), (*Non-lethal agents, CS agents), Safety, Responses, Toxicity

IDENTIFIERS: Law enforcement

AD-661 319 CFSTI Prices: PC\$3.00 MF\$0.95

A SELECTED BIBLIOGRAPHY ON URBAN INSURGENCY AND URBAN UNREST IN LATIN AMERICA AND OTHER AREAS

American Univ Washington D C Center For Research In Social Systems (401644)

AUTHOR: Fallah, Skaidrite Maliks

3181A3 FLD: 15G USGRDR6709

Dec 66 49p

REPT NO: CRESS/CINFAC-R-0603

CONTRACT: DA-49-092-ARO-7

MONITOR: 18

ABSTRACT: Selected sources are included on urban insurgency and urban unrest in Latin America and other areas. Sources include material on conditions conducive to urban unrest and on the relationship between rapid urbanization and the potential for urban unrest. Sources cited consist of bibliographies, documents, books, monographs, and articles. Wherever data were readily available, the sources were annotated. (Author)

DESCRIPTORS: (*Insurgency, Urban areas), (*Latin America, Insurgency), Bibliographies, Political science, Economics

AD-648 508 CFSTI Prices: PC\$6.00 MF\$0.95

FIRE DATA FROM THE WATTS RIOT: RESULTS OF PRELIMINARY ANALYSIS AND EVALUATION

System Development Corp Santa Monica Calif (339900)

Technical memo.

AUTHOR: Jarrett, Hilton F.

2792G1 FLD: 15B, 13K, 5 USGRDR6619

10 May 66 2p

REPT NO: TM(L)-2938/003/00

CONTRACT: ocd-PS-65-71

ABSTRACT: The volume documents the results of a preliminary analysis and evaluation of data from the Watts Riot provided by the U. S. Department of Agriculture, U. S. Forest Service. Recommendations regarding future studies of the data, including its relation to Emergency Operating Center research, are offered. (Author)

DESCRIPTORS: (*Civil defense systems, Management planning), (*Fires, Control), Disasters, Analysis, Statistical data, Sociology

IDENTIFIERS: Riots, Evaluation

AD-637 765 CFSTI Prices: PC\$3.00 MF\$0.95

OBSERVATIONS ON EMERGENCY OPERATIONS IN A CIVIL DISORDER

System Development Corp Santa Monica Calif (339900)

Professional paper.

AUTHOR: Adelson, Marvin

2413E3 FLD: 5I, 5H USGRDR6618

6 Jul 66 2p

REPT NO: SP-2522

Prepared for presentation at the Emergency Operations Symposium at SDC on 12 May 66.

ABSTRACT: The Los Angeles riots provided an opportunity to learn about the problem of controlling civil disorder. Some observations that were made from a study of those riots, and some implications of those observations for future riot control are presented. (Author)

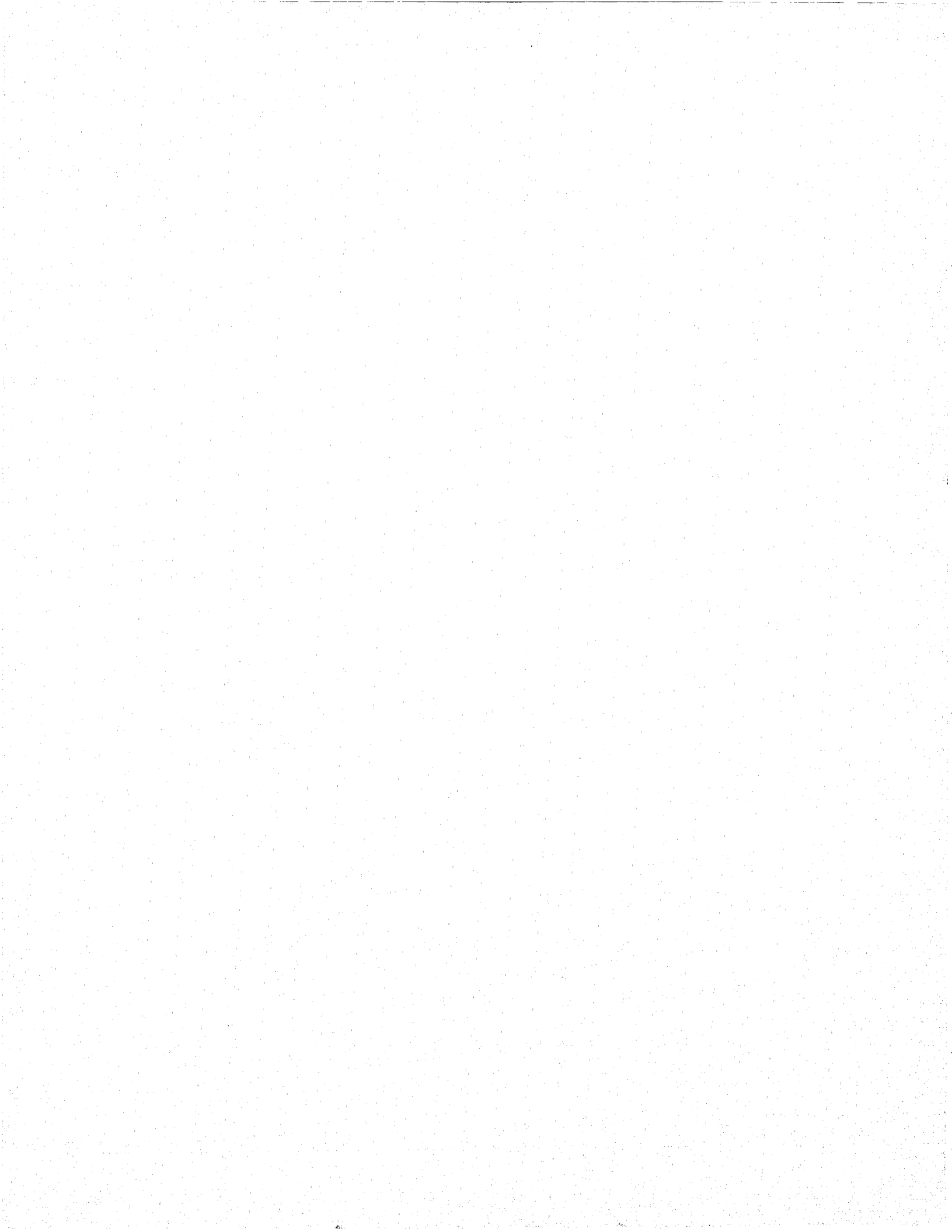
DESCRIPTORS: (*Group dynamics, Police), (*Civil defense systems, *Police), Social sciences, Urban areas

IDENTIFIERS: Riot control

AD-636 835 CPSTI Prices: PC\$3.00 MF\$0.95

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