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AD-740 925

CIVIL DEFENSE SYSTEMS:

SOCIAL IMPACT AND MANAGEMENT PLANNING

A DDC BIBLIOGRAPHY

DDC-TAS-72-11-1

APRIL 1972

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Security Classification

DOCUMENT CONTROL DATA - R & D		
<i>(Security classification of title, body of abstract and indexing annotation must be)</i>		<i>(When the overall report is classified)</i>
1. ORIGINATING ACTIVITY (Corporate author) DEFENSE DOCUMENTATION CENTER Cameron Station Alexandria, Virginia 22314		REPORT SECURITY CLASSIFICATION Unclassified
2. REPORT TITLE CIVIL DEFENSE SYSTEMS: SOCIAL IMPACT AND MANAGEMENT PLANNING		3b. GROUP
4. DESCRIPTIVE NOTES (Type of report and inclusive dates) Bibliography (August 1960 - August 1971)		
5. AUTHOR(S) (First name, middle initial, last name)		
6. REPORT DATE April 1972	7a. TOTAL NO. OF PAGES 198	7b. NO. OF REFS 149
8a. CONTRACT OR GRANT NO.	8b. ORIGINATOR'S REPORT NUMBER(S) DDC-TAS-72-11-1	
8c. PROJECT NO.	8d. OTHER REPORT NO(S) (Any other numbers that may be assigned this report) AD-740 925	
10. DISTRIBUTION STATEMENT Approved for public release; distribution unlimited.		
11. SUPPLEMENTARY NOTES Supersedes AD-705 500	12. SPONSORING MILITARY ACTIVITY	
13. ABSTRACT This bibliography -- one in a series on Civil Defense Systems -- contains a compilation of references on Social Impact and Management Planning. References contained in this volume pertain to psychological factors related to recovery from nuclear attack; public response to community shelter planning; fallout shelter management responsibilities; emergency operations training; attitudes toward civil defense; requirements for local planning to cover hazards of fallout; food processing and distribution; and the roles of the dentist and pharmacists in national disasters. Entries were processed into the Defense Documentation Center's data bank during the period of January 1953 through January 1972. Other bibliographies in this series are: Preattack and Post-attack (Nuclear Warfare), and Shelters. Corporate Author-Monitoring Agency, Subject, Title, Contract, and Report Number Indexes are included.		

DD FORM 1473
NOV 68UNCLASSIFIED
Security Classification

UNCLASSIFIED

Security Classification

14	KEY WORDS	LINK A		LINK B		LINK C	
		ROLE	WT	ROLE	WT	ROLE	WT
	*Bibliographies *Civil Defense Systems *Management Planning Social Impact Cost Effectiveness Economics Public Opinion Sociology Training Civil Defense Personnel Attitudes Acceptability Social Psychology Fallout Shelters						

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AD-740 925

**CIVIL DEFENSE SYSTEMS:
SOCIAL IMPACT AND MANAGEMENT PLANNING**

A DDC BIBLIOGRAPHY

DDC-TAS-72-11-1

August 1960 - August 1971

APRIL 1972

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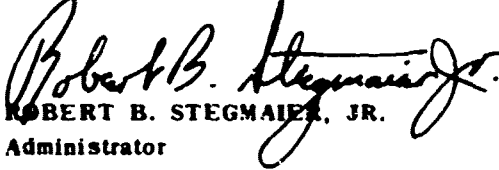
F O R E W O R D

This bibliography is a compilation of references on *Civil Defense Systems: Social Impact and Management Planning* in a series of bibliographies on Civil Defense Systems. Entries were processed into the Defense Documentation Center's data bank during the period of January 1953 through January 1972. It revises and replaces an earlier bibliography, AD-705 500.

Corporate Author-Monitoring Agency, Subject, Title, Contract, and Report Number Indexes are included.

BY ORDER OF THE DIRECTOR, DEFENSE SUPPLY AGENCY

OFFICIAL


ROBERT B. STEGMAIER, JR.
Administrator
Defense Documentation Center

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AJ-244 984

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DIV

CBR WARFARE RESEARCH AND CIVIL DEFENSE OF THE USSR
AND COMMUNIST CHINA. A BIBLIOGRAPHY (U)

AUG 60 1V
MONITOR: AID 60-25

UNCLASSIFIED REPORT

DESCRIPTORS: ARMED FORCES RESEARCH, BIBLIOGRAPHIES,
BIOLOGICAL WARFARE, CHEMICAL WARFARE, CIVIL DEFENSE
SYSTEMS, MILITARY RESEARCH, RADIOLOGICAL WARFARE (U)
IDENTIFIERS: CHINA, USSR (U)

UNCLASSIFIED

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-271 444

RESEARCH ANALYSIS CORP MCLEAN VA

CIVIL AFFAIRS: THE FUTURE PROSPECTS OF A MILITARY
RESPONSIBILITY (U)

IV KING, JAMES E. JR.:

UNCLASSIFIED REPORT

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, •MILITARY
GOVERNMENT, •OPERATIONS RESEARCH, FOREIGN POLICY (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-287 06U

RAND CORP SANTA MONICA CALIF

THE RESOLUTION OF THE SOVIET CONTROVERSY OVER CIVIL
DEFENSE (U)

IV GOURE, LEON:

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PROPAGANDA),
USSR, FOREIGN POLICY (U)
IDENTIFIERS: USSR (U)

SOME RECENT DEVELOPMENTS IN THE SOVIET CIVIL
DEFENSE PROGRAM ARE DESCRIBED. DIFFERENCES BETWEEN
FOREIGN AND DOMESTIC SOVIET PROPAGANDA ON CIVIL
DEFENSE ARE LISTED, AND A DEBATE AMONG THE SOVIET
LEADERS ON THE VALUE OF CIVIL DEFENSE IS DESCRIBED --
A DEBATE THAT WAS RESOLVED AT THE MAY 1962
CONGRESS OF DOSAAF (THE CIVIL VOLUNTEER
ORGANIZATION). RECENT VIGOROUS ENDORSEMENT OF
DOSAAF BY PARTY AND PRESS MAY BE ONE INDICATION
OF IMPENDING CHANGES IN SOVIET DOMESTIC AND
FOREIGN POLICIES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-401 226

HUDSON INST INC HARMON-ON-HUDSON N Y

STRATEGIC AND TACTICAL ASPECTS OF CIVIL DEFENSE WITH
SPECIAL EMPHASIS ON CRISIS SITUATIONS (U)

JAN 63 IV BROWN, WILLIAM H.;

UNCLASSIFIED REPORT

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, COMMAND + CONTROL
SYSTEMS, FOOD, MEDICAL PERSONNEL, MEDICAL SUPPLIES,
SHELTERS, STRATEGIC WARFARE (U)

STRATEGIC AND TACTICAL ASPECTS OF CIVIL DEFENSE WITH SPECIAL
EMPHASIS ON CRISIS SITUATIONS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-402 098

HUMAN SCIENCES RESEARCH INC MCLEAN VA

AN APPROACH TO THE STUDY OF SOCIAL AND PSYCHOLOGICAL
EFFECTS OF NUCLEAR ATTACK (U)

MAR 63 1V NORDLIE, PETER G. I
REPT. NO. RR 63 3 RR

UNCLASSIFIED REPORT

DESCRIPTORS: *CIVIL DEFENSE SYSTEMS, BEHAVIOR, CULTURE,
DISASTERS, NUCLEAR WARFARE, PSYCHOLOGY, REACTION
(PSYCHOLOGY), SOCIOLOGY, STRESS (PSYCHOLOGY),
SURVIVAL (U)

SOCIAL AND PSYCHOLOGICAL EFFECTS OF NUCLEAR ATTACK.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-403 670

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

A CORE TRAINING PROGRAM FOR STATE LEVEL CIVIL
DEFENSE PROGRAM PERSONNEL (APPENDICES),

(U)

APR 63 293P FLETCHER, DOROTHY E. I
MACPHERSON, DOUGLAS H. I; SIEGEL, ARTHUR I. I

UNCLASSIFIED REPORT

DESCRIPTORS: • CIVIL DEFENSE SYSTEMS, TRAINING,
SCHEDULING, CONTROL, INSTRUCTION MANUALS,
COMMAND AND CONTROL SYSTEMS, CLASSIFICATION, JOB
ANALYSIS.

(U)

APPENDICES TO A CORE TRAINING PROGRAM FOR STATE LEVEL
CIVIL DEFENSE PROGRAM PERSONNEL.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZHML7

AD-403 759

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

A CORE TRAINING PROGRAM FOR STATE LEVEL CIVIL
DEFENSE PROGRAM PERSONNEL.

(U)

APR 63 209P FLETCHER, DOROTHY E.;
MACPHERSON, DOUGLAS H.; SIEGEL, AND ARTHUR I.;
CONTRACT: OCD OS62 121

UNCLASSIFIED REPORT

DESCRIPTORS: *CIVIL DEFENSE SYSTEMS, *TRAINING,
CLASSIFICATION, COMMAND AND CONTROL SYSTEMS,
DECISION MAKING, SCHEDULING, CONTROL,
INSTRUCTION MANUALS, JOB ANALYSIS.

(U)

THE PURPOSE OF THIS STUDY WAS TO DERIVE INFORMATION REQUIR IMPROVING STATE LEVEL CIVIL DEFENSE TRAINING AND TO APPLY THIS INFORMATION TO THE DEVELOPMENT OF REQUIRED COURSES FOR ACHIEVING THIS PURPOSE. IN ORDER TO ACHIEVE THIS GOAL, RESEARCH WAS FIRST CONDUCTED TO DETERMINE THE TRAINING REQUIREMENTS FOR THE GOVERNMENTAL AND AUXILIARY PERSONNEL THAT ARE NEEDED TO IMPLEMENT STATE CIVIL DEFENSE OPERATIONAL PLANS. SECOND, TRAINING MATERIALS WERE DEVELOPED TO MEET THESE REQUIREMENTS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-406 442

RAND CORP SANTA MONICA CALIF

RECENT DEVELOPMENTS IN THE SOVIET CIVIL DEFENSE PROGRAM,

(U)

JUN 63 26P GOURE, LEON ;
REPT. NO. P2752

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PRESENTED TO SUBCOMMITTEE NO. 3 OF THE ARMED SERVICES COMMITTEE OF THE HOUSE OF REPRESENTATIVES. WASHINGTON, D. C., JUNE 17, 1963.

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, TRAINING, SHELTERS, MILITARY STRATEGY, FOREIGN POLICY, MILITARY ORGANIZATIONS, WARFARE, ANALYSIS.
IDENTIFIERS: USSR.

(U)

(U)

THE SOVIET CIVIL DEFENSE PROGRAM IS FAR FROM COMPLETE AND SUFFERS FROM A VARIETY OF SHORT COMINGS. APART FROM THE NOTORIOUS INEFFICIENCY OF SOVIET ADMINISTRATION, THERE IS THE RELATIVELY SHORT TIME THAT MANY PERSONS WILL BE ABLE TO REMAIN IN SHELTERS, BECAUSE OF LIMITED FOOD SUPPLIES, GREAT CROWDING AND ABSENCE OF COOLING EQUIPMENT WILL FORCE LARGE NUMBERS OF THEM TO EVACUATE THEIR SHELTERS VIA CONTAMINATED AREAS WHILE THE RADIATION LEVEL MAY STILL BE FAIRLY HIGH. THE SOVIETS RECOGNIZE THAT THE EFFECTIVENESS OF CIVIL DEFENSE, SURVIVING THE ATTACK, AND WINNING THE WAR WILL DEPEND TO A GREAT EXTENT ON THEIR ABILITY TO BLUNT OR WEAKEN THE ENEMY'S ATTACK. THIS IS WHY SOVIET DOCTRINE ALSO EMPHASIZES PRE-EMPTIVE ATTACKS AS WELL AS THE IMPORTANCE OF ANTI-AIRCRAFT AND ANTI-MISSILE D. DESPITE THE PRESENT INADEQUACIES OF SOVIET CIVIL DEFENSE AND THE GROWING DESTRUCTIVENESS OF MODERN WEAPONS, THE SOVIET LEADERSHIP BELIEVES THAT THE PRESERVATION OF THE SOVIET STATE AND SOCIETY IN THE EVENT OF A WAR MERITS CONSIDERABLE EFFORTS AND THE EXPENDITURE OF RELATIVELY SCARCE MONEY AND RESOURCES. IN THE AUTHOR'S OPINION, THE AVAILABLE EVIDENCE LEAVES NO DOUBT THAT THE SOVIET UNION IS ENGAGED IN AN EXTENSIVE CIVIL DEFENSE PROGRAM AND THAT IT BELIEVES IT TO BE WORTH FURTHER EFFORTS AND CONTINUED INVESTMENTS.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-408 967

DUNLAP AND ASSOCIATES INC DARIEN CONN

TESTING CIVIL DEFENSE PLANS AND OPERATIONS AT THE
FEDERAL, STATE AND LOCAL LEVELS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

MAY 63 121P

CONTRACT: OCD 0562 60

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TESTS),
(•RADIOACTIVE FALLOUT, RADIATION MONITORS),
RADIOLOGICAL CONTAMINATION, RADIATION MEASURE MENT
SYSTEMS, DAMAGE, ANALYSIS, TEST METHODS,
SHELTERS, RADIOLOGICAL DOSAGE, ERRORS, NUCLEAR
WARFARE, NUCLEAR EXPLOSIONS, FOOD, WATER SUP
PLIES, SANITARY ENGINEERING, VENTILATION,
COMMUNICATION SYSTEMS.

(U)

IDENTIFIERS: 1963, DAMAGE ASSESSMENT,
MUSTERING.

(U)

THE FINAL REPORT FOR CONTRACT NO. OCD-05-62-
60 IS ORGANIZED INTO THREE CHAPTERS. CHAPTER I
IS DEVOTED TO A BRIEF DISCUSSION OF THE OVER-ALL
PROBLEM STUDIED DURING THIS CONTRACT. CHAPTER II-
PRESENTS DESCRIPTIONS OF THE THREE TESTS DEVEL OPED
DURING THE STUDY, I.E., A MUSTERING PLAN TEST, A
DAMAGE ASSESSMENT TEST, AND A RADIATION ANALYSIS
TEST. THE FINAL CHAPTER PRESENTS THE FORMULATION
OF A SYSTEM ANALYSIS OF THE CIVIL DEFENSE
ORGANIZATION DESIGNED TO IDENTIFY AND QUANTIFY THOSE
FUNCTIONS WITH WHICH CIVIL DEFENSE SHOULD BE
CONCERNED, AND THUS TO PROVIDE A BETTER BASIS FOR
TESTING OF PLANS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-409 938

RAND CORP SANTA MONICA CALIF

CIVIL DEFENSE REVISITED.

(U)

JUN 63 9P WILLIAMS, J.D.;
REPT. NO. P2751

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS,
ANALYSIS).

(U)

IDENTIFIERS: 1963.

(U)

DISCUSSION ON CIVIL DEFENSE AND COMMENTS ON ITS PROGRAMS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-410 515

AMERICAN INSTITUTES FOR RESEARCH PITTSBURGH PA

REQUIREMENTS AND METHODS FOR IMPROVING LOCAL CIVIL
DEFENSE TRAINING, (U)

JUL 63 55P WILLIS, M. PAUL ; MARKOWITZ,
EILEEN M. INAGIN, EDYTHE F. I
REPT. NO. AIR C92 6 63TR

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TRAINING),
1•TRAINING, CIVIL DEFENSE SYSTEMS), COSTS,
ANALYSIS, PERSONNEL, JOB ANALYSIS, RADIOACTIVE
FALLOUT, MONITORS. (U)

IDENTIFIERS: JOB HIERARCHY, 1963. (U)

REQUIREMENTS AND METHODS FOR IMPROVING LOCAL CIVIL DEFENSE
TRAINING.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-425 618

OFFICE OF CIVIL DEFENSE WASHINGTON D C

SUMMARY OF STUDIES OF PUBLIC ATTITUDES TOWARD AND
INFORMATION ABOUT CIVIL DEFENSE.

(U)

AUG 63 33P GARRETT, RALPH L. I
REPT. NO. RR8
MONITOR: OCD RR8

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEMS),
(•PUBLIC OPINION, CIVIL DEFENSE SYSTEMS), ANALYSIS,
SHELTERS, FEASIBILITY STUDIES, RADIATION HAZARDS (U)
IDENTIFIERS: 1963, PUBLIC SUPPORT, PUBLIC ATTITUDES,
OBJECTIVES (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO: /ZMML7

AD-426 430

AMERICAN MUNICIPAL ASSOCIATION WASHINGTON D C

ORGANIZING MUNICIPAL GOVERNMENTS FOR CIVIL DEFENSE.

(U)

OCT 63 1105P
LAWRENCE A. I
CONTRACT: OGD0562 293

BULLIS, ANDREW S. INZLLIAMS,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GOVERNMENT
PROCUREMENT), (URBAN AREAS, CIVIL DEFENSE SYSTEMS),
OPERATION, SOCIAL SCIENCE, SHELTERS, POPULATION,
SURVIVAL, SOCIAL COMMUNICATION, URBAN AREAS
IDENTIFIERS: COMMUNITY ORGANIZATION, 1963

(U)

(U)

THE STUDY DESCRIBES THE CIVIL DEFENSE RESPONSIBILITIES OF MUNICIPAL GOVERNMENT AS DEFINED BY PRESENT FEDERAL PROGRAMS AND POLICIES, ESPECIALLY AS THEY RELATE TO THE FALLOUT SHELTER PROGRAM. SIX CITIES ARE THEN ANALYZED TO DETERMINE THE MANNER IN WHICH COMMUNITY RESOURCES HAVE BEEN ORGANIZED TO MEET THESE RESPONSIBILITIES. THE CITIES WERE SELECTED TO REPRESENT THE SEVERAL COMMON FORMS OF CITY GOVERNMENT AND TO PROVIDE A WIDE GEOGRAPHIC DISTRIBUTION AND SPECTRUM OF POPULATION SIZES FROM THE VERY SMALL CITY TO THE LARGE METROPOLITAN CITY. EACH CASE STUDY PROVIDES A PROFILE OF THE CITY TO ESTABLISH ITS ESSENTIAL CHARACTERISTICS AND IDENTIFY ANY EXCEPTIONAL CIRCUMSTANCES THAT MAY BE PECULIAR TO THE CITY AND AFFECT ITS CIVIL DEFENSE CAPABILITIES. THE PREPARATIONS MADE BY THE CITY FOR GOVERNMENT OPERATIONS IN THE EVENT OF NUCLEAR OR NATURAL DISASTER ARE INVESTIGATED, INCLUDING CONTINUITY OF GOVERNMENT, EMERGENCY POWERS, AND THE CIVIL DEFENSE AGENCY, ITS FINANCING, PROGRAM, AND FACILITIES FOR EMERGENCY OPERATIONS. THE EMERGENCY OPERATIONS OR SURVIVAL PLANS OF EACH CITY ARE RELATED TO THE ASSIGNMENT OF ITS REGULAR DEPARTMENTS AND AGENCIES TO EMERGENCY DISASTER FUNCTIONS. THE UTILIZATION MADE OF VOLUNTEERS AND NON-GOVERNMENTAL AGENCIES, ORGANIZATIONS, AND INSTITUTIONS TO AUGMENT AND SUPPLEMENT CITY FORCES IS DESCRIBED. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-426 925

PLANNING RESEARCH CORP LOS ANGELES CALIF

CIVIL DEFENSE IMPLICATIONS OF CURRENT AND FUTURE
URBAN CONFIGURATIONS,

(U)

DEC 63 343P WOLTMAN, H.R.; GUODROW, E.C.;
REPT. NO. R409
CONTRACT: OGD US62 278

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, URBAN
AREAS), POPULATION, GROWTH, VULNERABILITY,
DENSITY, BUILDINGS.

(U)

IDENTIFIERS: 1963, LIVING PATTERN.

(U)

THIS REPORT EXAMINES THE POSSIBILITIES OF VULNERABILITY REDUCTION THROUGH LONG-TERM CHANGES IN URBAN FORM AND STRUCTURE, IN THE LIGHT OF PROJECTED TRENDS IN ECONOMIC AND SOCIAL FORCES AFFECTING FUTURE URBAN DEVELOPMENT. URBAN DECENTRALIZATION IS LIKELY TO CONTINUE IN THE FUTURE, AND TECHNOLOGICAL CHANGE MAY PERMIT DELIBERATE ACCELERATION OF THIS TREND TOWARD SPRAWLING URBAN REGIONS. VARIOUS CONCEPTUAL AND EMPIRICAL URBAN FORMS ARE REDUCIBLE TO A FEW BASIC TYPES. THE VULNERABILITY CHARACTERISTICS OF THE DIFFERENT FORMS ARE MIXED, BUT THE GALAXY AND DISPERSED SHEET FORMS ARE GENERALLY BEST SUITED TO CIVIL DEFENSE PURPOSES. THESE ARE SIMILAR TO THE FORMS THAT FUTURE URBAN REGIONS ARE EXPECTED TO TAKE. A VARIANT OF THE DISPERSED SHEET FORM IS CONSIDERED THE MOST ADVANTAGEOUS; IT WOULD PROVIDE COMPACT URBAN COMMUNITIES, SEPARATED BY EXTENSIVE OPEN SPACES DEVOTED TO NONURBAN LAND USES, WITHIN FUTURE METROPOLITAN AREAS. IN ADDITION, EFFORTS TO INCREASE THE 'HARDNESS' OF URBAN STRUCTURES ARE DESIRABLE. AN INCREASED PROPORTION OF HIGH HARDNESS STRUCTURAL TYPES SHOULD BE ENCOURAGED IN THE BUILDING MIX. THIS INCREASE SHOULD TAKE THE FORM MAINLY OF HIGH-HARDNESS RESIDENTIAL STRUCTURES DISPERSED SINGLY OR IN CLUSTERS THROUGHOUT RESIDENTIAL AREAS. INDIRECT METHODS ARE CONSIDERED BY WHICH PROGRESS TOWARD THESE OBJECTIVES MIGHT BE ASSISTED THROUGH VARIOUS ON GOING FEDERAL AND STATE GOVERNMENTAL ACTIVITIES.
(AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-431 735

RESEARCH TRIANGLE INST DURHAM N C

ANALYSIS OF SURVEY DATA.

(U)

DESCRIPTIVE NOTE: FINAL REPT., PT. 2,

FEB 64 551P HILL, E. L. (GROGAN, W. K. I

LYDAY, R. U. (NORMENT, H. G. I

REPT. NO. R 0081PT. 2

CONTRACT: OCU 0562 144

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (1) COMPUTERS, PROGRAMMING (COMPUTERS)),
(1) CIVIL DEFENSE SYSTEMS, STRUCTURAL PARTS, INPUT-OUTPUT
DEVICES, SHELTERS, TABLES, BUILDINGS, CONSTRUCTION,
ERRORS, SHIELDING, FLOORS, ROOFS, RADIATION HAZARDS,
WATER, STRUCTURES, DOSAGE (U)
IDENTIFIERS: 1964 (U)

THESE APPENDICES CONTAIN DETAILS OF COMPUTER
PROGRAMS USED IN CATEGORIZATION OF STRUCTURES WITH
RESPECT TO TECHNICAL SHIELDING CHARACTERISTICS AND
RESULTANT TABULATIONS (A-E); DETAILS OF THE RTI
33 NFSS PHASE 1 BUILDING SAMPLE SELECTION METHOD
(F); AN ILLUSTRATION OF PROCEDURES USED IN
IDENTIFYING BUILDING ELEMENTS CRITICAL TO PF
COMPUTATIONS (G); RTI COMPUTATIONAL METHOD AND
FORMS USED IN MAKING ENGINEERING MANUAL PF
CALCULATIONS FOR THE 33 SAMPLE BUILDINGS (H);
DESCRIPTIONS OF THE 33 BUILDINGS, THE FIVE PF
RESULTS (AE PHASE 1 AND 2, RTI FOSDIC WITH AND
WITHOUT PARTITIONS, AND ENGINEERING MANUAL),
AND ANALYSES OF INDIVIDUAL BUILDING INPUT AND
PROCEDURAL DIFFERENCES JUDGED TO HAVE AFFECTED THE
PF DIFFERENCES (I); CONSTRUCTION DETAILS OF FOUR
BUILDINGS USED IN COMPARING EXPERIMENTAL AND
CALCULATED PF'S (J); TRAPPED POTABLE WATER FIELD
DATA GATHERED IN THE 33 BUILDING SURVEY (K);
DETAILED ANALYSES OF TECHNICAL OPERATIONS
RESEARCH REPORTS THAT AFFECT TEN PROCEDURES USED TO
CALCULATE PF'S (L-N); A SUMMARY OF CONCLUSIONS
AND RECOMMENDATIONS MADE BY TECHNICAL OPERATIONS
RESEARCH AND CONCURRED WITH BY RTI (O); AND
DETAILED RECOMMENDED MODIFICATIONS TO THE NBS-NFSS
COMPUTER PROGRAM (P). (AUTHOR) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-439 612

CORNELL UNIV ITHACA N Y

THE USE OF VOLUNTARY ORGANIZATIONS IN CIVILIAN
DEFENSE AND PREPAREDNESS,

(U)

MAR 64 285P DEAN, LOIS R. ;
CONTRACT: OCD OS62 72

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, PREPARATION),
(*GROUP DYNAMICS, CIVIL DEFENSE SYSTEMS), BEHAVIOR,
LEADERSHIP, SOCIAL COMMUNICATION, COSTS, ATTITUDES,
SHELTERS, URBAN AREAS, SOCIAL SCIENCES, ECONOMICS,
PUBLIC OPINION

(U)

IDENTIFIERS: VOLUNTEERS, VOLUNTARY ORGANIZATIONS

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-450 228

STANFORD RESEARCH INST MENLO PARK CALIF

ANALYSIS OF POSTATTACK FOOD PROCESSING AND
DISTRIBUTION.

(U)

DESCRIPTIVE NOTE: PROGRESS REPT.,

JUN 64 120P

BILLHEIMER, JOHN W. IDIXON,

HARVEY L. ;

CONTRACT: OCD 0562 135

PROJ: SRI IMU4021

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (FOOD DISPENSING, NUCLEAR WARFARE),
RADIOACTIVE FALLOUT, FOOD, CONTAMINATION, STORAGE,
PROCESSING, DISTRIBUTION, MILK, WHEAT, CIVIL DEFENSE
SYSTEMS, FOOD POISONING, ANALYSIS

(U)

THIS REPORT DESCRIBES THE INITIAL PHASES OF A
STUDY DESIGNED TO MODEL THE EFFECTS OF THE FOOD
PROCESSING AND DISTRIBUTION SYSTEM OF THE UNITED
STATES ON THE POSTATTACK FLOW OF CONTAMINATED
FOODSTUFFS. A MODELING METHOD IS PROPOSED THAT
EMPLOYS UTILIZATION CHARTS, SEASONAL SUPPLY GRAPHS,
AND VARIOUS PRODUCTION CONSUMPTION TIME LAGS TO
PROVIDE A QUANTITATIVE DESCRIPTION OF COMMODITY FLOW
PATTERNS. THESE QUANTITATIVE INDICES ARE ASSIGNED
POSTATTACK VALUES THROUGH THE USE OF DAMAGE
ASSESSMENT PROCEDURES DESIGNED TO FIT EXISTING FOOD
INVENTORY DATA. THE TECHNIQUES PROPOSED IN THIS
REPORT ARE USED TO DESCRIBE THE PROBABLE PROCESSING
AND DISTRIBUTION PATTERNS FOLLOWED BY MILK AND WHEAT
PRODUCTS AFTER A MIXED COUNTERFORCE AND CITY ATTACK
BASED ON A HIGH THREAT LEVEL. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPH SEARCH CONTROL NO. /ZMML7

AD-451 013

IOWA AGRICULTURAL AND HOME ECONOMICS EXPERIMENT STATION
AMES

COMMUNITY POWER STRUCTURE AND CIVIL DEFENSE. (U)

DESCRIPTIVE NOTE: FINAL REPT.,

64 254P

BOHLEN, JOE M. ; BEAL, GEORGE

M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;

REPT. NO. SR35

CONTRACT: GCD 0562 150

PROJ: IAMES1529

TASK: 4811D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, SOCIOLOGY),
(*CIVIL PERSONNEL, DECISION MAKING), LEADERSHIP, SOCIAL
SCIENCES, PUBLIC RELATIONS, SOCIAL COMMUNICATION,
EFFECTIVENESS, PERFORMANCE (ENGINEERING), SHELTERS,
RADIOACTIVE FALL, URBAN AREAS, RURAL AREAS (U)
IDENTIFIERS: 1964 (U)

THIS REPORT IS CONCERNED WITH THE DISTRIBUTION OF
SOCIAL POWER AND ITS POSSIBLE EFFECTS UPON THE
IMPLEMENTATION OF CIVIL DEFENSE PROGRAMS. THE
GENERAL OBJECTIVES OF THIS REPORT ARE (1) TO
DEFINE CONCEPTS WHICH ARE RELEVANT TO UNDERSTANDING
THE COMMUNITY DECISION-MAKING PROCESS, (2) TO
PRESENT AN ANALYTICAL MODEL OR FRAMEWORK WHICH A
LOCAL CIVIL DEFENSE DIRECTOR COULD USE IN ANALYZING
SOCIAL POWER, (3) TO OPERATIONALIZE THE FRAMEWORK
IN ONE COMMUNITY, AND (4) TO DETERMINE THE CIVIL
DEFENSE KNOWLEDGE, SENTIMENTS, SOURCES OF INFORMATION
AND ACTIONS OF COMMUNITY INFLUENTIALS. THE
SPECIFIC OBJECTIVES ARE (1) TO DELINEATE THE
PERSONS PERCEIVED TO BE COMMUNITY INFLUENTIALS AND
WHO AFFECT THE DECISION-MAKING PROCESSES OF THE
COMMUNITY, (2) TO DETERMINE THE PERSONAL AND
SOCIAL CHARACTERISTICS OF THE COMMUNITY INFLUENTIALS,
(3) TO DETERMINE THE EXTENT TO WHICH THERE IS A
STRUCTURE IN THE INTERPERSONAL RELATIONSHIPS AMONG
COMMUNITY INFLUENTIALS, (4) TO DETERMINE THE
EXTENT TO WHICH THE COMMUNITY INFLUENTIALS ARE
PERCEIVED TO HAVE SOCIAL POWER IN DIFFERENT ISSUE
AREAS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-451 079

IOWA ENGINEERING EXPERIMENT STATION AMES

SOCIAL ACTION IN CIVIL DEFENSE. THE STRATEGY OF
PUBLIC INVOLVEMENT IN A COUNTY CIVIL DEFENSE
EDUCATIONAL PROGRAM. (U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,

64 74P BEAL, GEORGE M. IYAKBROUGH,

PAUL IKLONGLAN, GERALD E. BOHLEN, JCE M. I

REPT. NO. RURAL SOCIOLOGY-34

CONTRACT: OCU OS62 150

PROJ: 1529

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GROUP DYNAMICS),
HUMANS, PUBLIC OPINION, PERFORMANCE (HUMAN), SOCIAL
COMMUNICATION, SOCIOLOGY, DECISION MAKING, FEASIBILITY
STUDIES, PUBLIC RELATIONS, EDUCATION (U)
IDENTIFIERS: 1964 (U)

THE PURPOSE OF THE REPORT WAS TO FOCUS ON ONE
ASPECT OF SOCIAL ACTION AND CIVIL DEFENSE: THE
INITIATION AND EXECUTION OF LARGE-GROUP SOCIAL ACTION
AMONG INDIVIDUALS AND ORGANIZATIONS. SPECIFIC
OBJECTIVES OF THE REPORT WERE (1) TO PRESENT A
CONSTRUCT OF THE SOCIAL ACTION PROCESS WHICH CAN BE
USED AS A DESIGN FOR IMPLEMENTING SOCIAL ACTION
PROGRAMS AND/OR AS A FRAMEWORK FOR ANALYZING EXISTING
OR PAST SOCIAL ACTION PROGRAMS, (2) TO PRESENT AN
ANALYSIS OF A SOCIAL ACTION PROGRAM INVOLVING CIVIL
DEFENSE. (A) TO PRESENT A DESCRIPTIVE BACKGROUND
OF THE CIVIL DEFENSE SOCIAL ACTION PROGRAM ANALYZED.
(B) TO ANALYZE IN DEPTH THIS SOCIAL ACTION
PROGRAM UTILIZING THE SOCIAL ACTION MODEL, AND
DEVELOPING METHODOLOGY TO OPERATIONALIZE THE SOCIAL
ACTION CONSTRUCT FOR RESEARCH PURPOSES, AND (3)
TO DISCUSS THE FINDING OF THE STUDY AND TO EXPLORE
THE IMPLICATIONS OF THESE FINDINGS IN THE ATTEMPTS OF
THE OFFICE OF CIVIL DEFENSE TO INSTIGATE OTHER
SOCIAL ACTION PROGRAMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 438

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

THE FALLOUT PROTECTION BOOKLET: (III) A
METHODOLOGICAL COMPARISON OF PRE-TEST RESPONSES OF
THOSE WHO RESPONDED, REFUSED, OR WERE NOT REACHABLE
ON THE POST-TEST. (U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.,
APR 64 23P COSTLEY, DAN IBERLO, DAVID
K. I
CONTRACT: OCD 0562 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, ATTITUDES),
(*NUCLEAR WARFARE), HANDBOOKS, SHELTERS, PUBLIC OPINION,
SURVIVAL, SOCIOMETRICS (U)

A STUDY WAS MADE OF THE IMPACT OF THE 'FALLOUT
PROTECTION' BOOKLET WHICH WAS PUBLISHED BY THE
OCD IN DECEMBER OF 1961. WHILE COLLECTING DATA
SPECIFIC TO THAT OBJECTIVE, USEFUL INFORMATION
RELEVANT TO PUBLIC INFORMATION ABOUT AND ATTITUDE
TOWARD CIVIL DEFENSE WAS COLLECTED. REPORT 1
PRESENTED DATA ON THE ACCURACY OF PUBLIC KNOWLEDGE
ABOUT NUCLEAR ATTACK AND CIVIL DEFENSE, THE
FAVORABILITY OF PUBLIC ATTITUDES TOWARD CIVIL DEFENSE
MEASURES, OTHER ESTIMATES OF THE PUBLIC AS TO THE
THREAT OF NUCLEAR WAR AND THE RELATIVE EFFECTIVENESS
OF VARIOUS SHELTER INDUCEMENTS AND INDUCEMENT AGENTS,
AND INDICES OF PUBLIC EXPOSURE TO SHELTER
INFORMATION. REPORT 1 ALSO ANALYZED ATTITUDINAL
AND DEMOGRAPHIC CORRELATES OF SHELTER KNOWLEDGE,
BELIEFS, AND PLANS. REPORT 2 PRESENTED DATA
FROM A COMPARATIVE ANALYSIS OF ATTITUDINAL AND
INFORMATION LEVELS OF RESPONDENTS WHO HAD BEEN
DIVIDED INTO FOUR CATEGORIES OF INTEREST WITH RESPECT
TO CONSTRUCTING FAMILY SHELTERS. THIS REPORT
PRESENTS THE FINDINGS OF A COMPARISON OF PRE-TEST
RESPONSES OF THOSE WHO (A) RESPONDED, (B)
REFUSED, OR (C) WERE NOT REACHABLE ON THE POST-
TEST. (SEE ALSO AD-404 512). (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 751

COLUMBIA UNIV NEW YORK BUREAU OF APPLIED SOCIAL
RESEARCH

THE AMERICAN PUBLIC AND THE FALLOUT-SHELTER ISSUE (A
NINE-COMMUNITY SURVEY). VOL. II. THE STUDY DESIGN
AND THE STUDY COMMUNITIES. (U)

OCT 63 91P LEVINE, GENE N. IMODELL,
JOHN ;
CONTRACT: OCD 0562 71

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PUBLIC OPINION, SHELTERS), (*CIVIL
DEFENSE SYSTEMS, PUBLIC OPINION), (*SHELTERS, PUBLIC
OPINION), UNITED STATES, SOCIOMETRICS, RADIOACTIVE
FALLOUT, PSYCHOMETRICS, SELECTION (U)

THE REPORT CONTAINS THE DETAILS OF THE STUDY DESIGN
AND DESCRIPTIONS OF THE NINE COMMUNITIES IN WHICH
INTERVIEWS WERE COLLECTED. ATTENTION IS GIVEN TO
THE WAYS IN WHICH THE STUDY COMMUNITIES WERE SELECTED
AND THE BASIC QUESTIONNAIRE DEVISED. (SEE ALSO
AD-600 752) (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 752

COLUMBIA UNIV NEW YORK BUREAU OF APPLIED SOCIAL
RESEARCH

THE AMERICAN PUBLIC AND THE FALLOUT-SHELTER ISSUE (A
NINE-COMMUNITY SURVEY). VOL. I. A SUMMARY OF
METHODS, FINDINGS, AND IMPLICATIONS. (U)

MAY 64 34P LEVINE, GENE M. ; MODELL.
JOHN ;
CONTRACT: OCD OS62 71

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PUBLIC OPINION, SHELTERS), (*CIVIL
DEFENSE SYSTEMS, PUBLIC OPINION), (*SHELTERS, PUBLIC
OPINION), UNITED STATES, SOCIOMETRICS, RADIOACTIVE
FALLOUT, EMOTIONS, FEAR, PSYCHOMETRICS (U)

A PUBLIC OPINION SURVEY WAS MADE ON THE PUBLIC'S
REACTIONS TO THE COLD WAR, AND ESPECIALLY TO
THROW LIGHT ON THEIR OPINIONS AND ACTIONS ON THE
FALLOUT-SHELTER ISSUE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-600 985

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (V) CHANGE IN BELIEFS,
PART A. (U)

DESCRIPTIVE NOTE: COMMUNICATIONS RESEARCH REPT.
SEP 63 60P MACLEAN, MALCOLM S. JR.;
DANBURY, THOMAS TALBOT, ALBERT D. JENGBRETSON,
ROBERT O. ;
CONTRACT; OCD 0562 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEM),
(•SHELTERS, PUBLIC OPINION), RADIOACTIVE FALLOUT,
APPLIED PSYCHOLOGY, PERSONALITY (U)

A DESCRIPTION AND TABULAR SUMMARY ARE GIVEN OF THE
CHANGES IN MAJOR TYPES OF BELIEF PATTERNS ABOUT
FALLOUT SHELTERS, RADIATION, PEACE, AND DEFENSE. A
SUMMARY IS INCLUDED OF THE RELATIONSHIPS BETWEEN
BELIEF PATTERN CHANGES AND VARIOUS INDICES INCLUDING
CIVIL DEFENSE INFORMATION AND MEDIA EXPOSURE,
FALLOUT PROTECTION BULLETIN READERSHIP, AND
GENERAL DEMOGRAPHIC CHARACTERISTICS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-60U 989

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ANTS

CIVIL DEFENSE BELIEF PATTERNS: (VI) CHANGE IN
BELIEFS, PART B.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.
NOV 63 69P MACLEAN, MALCOLM S. JR.
DANBURY, THOMAS ; TALBOTT, ALBERT D. ; ENGBRETSON,
ROBERT O. ;
CONTRACT: OGD OS 62 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ALTITUDES, CIVIL DEFENSE SYSTEMS),
(*SHELTERS, ATTITUDES), PERSONALITY, PUBLIC OPINION,
APPLIED PSYCHOLOGY, STABILITY (U)

THE REPORT CONTAINS FIVE MAJOR PARTS WITH AN
ACCOMPANYING APPENDIX FOR EACH PART: (1)
CHANGES IN THE RANKINGS OF THE FALLOUT SHELTER
STATEMENTS AND THEIR RELATIONSHIP TO THE DEMOGRAPHIC
AND GENERAL INFORMATION EXPOSURE INDICES; (2)
CORRELATES OF STABILITY OF INDIVIDUAL BELIEF
PATTERNS; (3) CHANGES IN THE BELIEF PATTERNS OF
THE FOUR FALLOUT SHELTER AND RADIATION TYPES; (4)
CHANGES IN BELIEF PATTERNS OF THE FIVE PEACE AND
DEFENSE TYPES; AND (5) BOOKLET READERSHIP. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-600 990

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (IV) TOPIC
APPEALS.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.
SEP 63 62P MACLEAN, MALCOLM S. JR. I
DANBURY, THOMAS ; TALBOTT, ALBERT D. ; BERNSTEIN,
NEIL R. ;
CONTRACT: UCD OS 62-19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEM•),
(ATTITUDES, PERSONALITY), PUBLIC OPINION, APPLIED
PSYCHOLOGY, SHELTERS

(U)

A DESCRIPTION AND TABULAR SUMMARY ARE GIVEN OF THE
FIVE MAJOR TYPES OF PERSONS ON THE BASIS OF THEIR
PATTERNS OF INTEREST IN CIVIL DEFENSE INFORMATION
TOPICS.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 991

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (V11) SUMMARY. (U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.

MAR 64 21P MACLEAN, MALCOLM S. , JR. ;

DANBURY , THOMAS ; TALBOTT, ALBERT D. ;

CONTRACT: OSD OS 62 1?

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ATTITUDES, CIVIL DEFENSE SYSTEMS),
(*SHELTERS, ATTITUDES); PERSONALITY, PUBLIC OPINION,
APPLIED PSYCHOLOGY, RADIOACTIVE FALLOUT (U)

A GENERAL AND OVERALL SUMMARY IS PRESENTED OF THE
PROGRAM OF RESEARCH ON CIVIL DEFENSE BELIEF PATTERNS.
(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 993

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (1) PEACE AND
DEFENSE.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.

APR 63 64P MACLEAN, MALCOLM S. ,JR. I

DANBURY, THOMAS ; TALBOTT, ALBERT D. I

CONTRACT: OCD 0562 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEMS),
(•CIVIL DEFENSE SYSTEMS, PUBLIC OPINION), FACTOR
ANALYSIS, PERSONALITY, APPLIED PSYCHOLOGY, SHELTERS,
RADIOACTIVE FALLOUT

(U)

A DESCRIPTION AND TABULAR SUMMARY ARE GIVEN OF THE
FIVE MAJOR TYPES OF PERSONS ON THE BASIS OF THEIR
PATTERNS OF BELIEF ABOUT PEACE AND DEFENSE.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 011
PITTSBURGH UNIV PA

THE NEAR SYSTEM: A STUDY IN PUBLIC ACCEPTANCE. (U)

FEB 64 204P NEHNEVAJSA, JIRI :
CONTRACT: OCD 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (PUBLIC OPINION, CIVIL DEFENSE SYSTEMS),
(CIVIL DEFENSE SYSTEMS, PUBLIC OPINION), (EARLY
WARNING SYSTEMS, CIVIL DEFENSE SYSTEMS), ATTITUDES,
WARNING SYSTEMS, COSTS, COLD WAR, UNITED STATES (U)
IDENTIFIERS: NEAR SYSTEM (U)

THE NEAR SYSTEM STUDY WAS CONDUCTED IN LATE 1963
AND EARLY IN 1964 IN A SAMPLE OF 1,402 AMERICANS
INTERVIEWED ON BEHALF OF THE UNIVERSITY OF
PITTSBURGH BY NATIONAL OPINION RESEARCH
CENTER OF THE UNIVERSITY OF CHICAGO. THE
STUDY REVEALED HIGH RECEPTIVITY TO THE IDEA OF A HOME
ALERTING SYSTEM, AND TO THE SPECIFIC NEAR RECEIVER
TESTED. AMERICANS CLAIMED THAT THEY WOULD BE
LIKELY TO ACQUIRE SUCH A DEVICE. DIFFERENCES AMONG
VARIOUS POPULATION SUBGROUPS WERE ONLY SUBTLE, AND
NONE RAN IN ENTIRELY OPPOSING DIRECTIONS. IN FACT,
THE ACTUAL NEAR RECEIVER, ONCE SHOWN, GENERATED A
MORE FAVORABLE RESPONSE THAN DID THE CONCEPT OF A
HOME ALERTING SYSTEM AS SUCH. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 014

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (II) SOURCE
CREDIBILITY.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.
APR 63 SIP MACLEAN, MALCOLM S. JR.;
DANBURY, THOMAS ; TALBOTT, ALBERT D. ;
CONTRACT: OCD 0542 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*ATTITUDES, CIVIL DEFENSE SYSTEMS),
(*ATTITUDES, SOURCES), (*SHELTERS, ATTITUDES),
(*RADIOACTIVE FALLOUT, ATTITUDES), PUBLIC OPINION,
PERSONALITY, NUCLEAR PARTICLES, APPLIED PSYCHOLOGY,
CIVIL DEFENSE PERSONNEL

(U)

INFORMATION IS GIVEN FROM INTERVIEWS ON BELIEF
PATTERNS CONCERNING DESCRIPTION AND TABULAR SUMMARY
ARE GIVEN OF THE FIVE MAJOR TYPES OF PERSONS ON THE
BASIS OF THEIR PATTERNS OF TRUST AND DISTRUST
ACCORDED SOURCES OF INFORMATION ABOUT FALLOUT
SHELTERS AND RADIATION.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 214

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

STANDARDIZED TESTING FOR THE OFFICE OF CIVIL DEFENSE
RADIOLOGICAL MONITORING FOR INSTRUCTORS COURSE. (U)

JUN 64 87P SIEGEL, ARTHUR I. ; SCHULTZ,
DOUGLAS G. ; FEDERMAN, PHILIP I
CONTRACT: OCD OS62 178

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*PERFORMANCE TESTS, CIVIL DEFENSE
PERSONNEL), (*TEST CONSTRUCTION (PSYCHOLOGY),
INSTRUCTORS), (*INSTRUCTORS, CIVIL DEFENSE PERSONNEL),
RADIATION MONITORS, PSYCHOMETRICS (U)

THE DEVELOPMENTAL STEPS FOLLOWED IN CONSTRUCTING
STANDARDIZED TESTS FOR GRADUATES OF THE OFFICE
DEFENSE RADIOLOGICAL MONITORING FOR
INSTRUCTORS COURSES ARE DISCUSSED. THE COMPLETE
TEST BATTERY CONSISTS OF A MULTIPLE CHOICE, PAPER-
AND PENCIL TEST COVERING CONTENT AREAS CONSIDERED
IMPORTANT BY KNOWLEDGEABLE OFFICE OF CIVIL
DEFENSE AND ATOMIC ENERGY COMMISSION
PERSONNEL AND TWO PERFORMANCE EXAMINATIONS WHICH TEST
RADIOACTIVE SOURCE HANDLING AND SURVEY INSTRUMENT
EMPLOYMENT SKILL. THREE EQUIVALENT, ALTERNATIVE
FORMS OF THE WRITTEN TEST ARE DESCRIBED. ITEM
ANALYTIC AND RELIABILITY DATA, ALONG WITH PRELIMINARY
NORMATIVE MATERIALS, ARE PRESENTED FOR THE WRITTEN
TESTS. THE CONSTRUCTION AND DEVELOPMENT OF THE
PERFORMANCE EXAMINATIONS ARE ALSO DETAILED. A TEST
ADMINISTRATOR'S MANUAL, FOR BOTH THE WRITTEN TESTS
AND THE PERFORMANCE EXAMINATIONS, IS INCLUDED AS AN
APPENDIX. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-691 467

HUGHES AIRCRAFT CO FULLERTON CALIF

OCD SOFT TARGET STUDY.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

APR 64 213P

REPT. NO. FR-64-15-66

CONTRACT: OCD 0562 277

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, EFFECTIVENESS),
SHELTERS, NUCLEAR EXPLOSION DAMAGE, NUCLEAR WARFARE
CASUALTIES, RADIATION EFFECTS, COSTS, PROGRAMING
(COMPUTERS), COMPUTERS

(U)

THIS REPORT DESCRIBES METHODOLOGY AND ORIGINAL
COMPUTER PROGRAMS WHICH HAVE BEEN DEVELOPED TO ASSIST
IN THE ACCOMPLISHMENT OF THE STUDY OBJECTIVE. TWO
COMPUTER PROGRAMS ARE EMPHASIZED. THE DYNAMIC
ANALYZER PROGRAM CALCULATES THE EFFECTIVENESS OF
SPECIFIED SHELTER SYSTEMS IN PROTECTING THE
POPULATION FROM PARTICULAR ATTACKS. POPULATION
MOBILITY AND FALLOUT FIELDS WHICH DEPEND ON BOTH TIME
AND POSITION ARE CONSIDERED. THE WEIGHTED-
STRATEGY, MULTIPLE SHELTER TYPE MIX AND
LOCATION OPTIMIZER COMPUTES THE OPTIMAL
EFFECTIVENESS VERSUS COST CURVE OVER THE RANGE FROM
ZERO COST TO THE COST OF THE MOST EFFECTIVE SYSTEM
POSSIBLE WITH A GIVEN SHELTER CATALOG. THIS
PROGRAM ALSO DETERMINES THE MIX AND DEPLOYMENT OF
SHELTERS AT DESIRED COST/EFFECTIVENESS LEVELS.
SOFT TARGET STUDY ACTIVITY HAS SHOWN THAT THERE
IS A DIFFERENCE IN THE INTENSITY AND RELATIVE
INTENSITY OF THE DIFFERENT WEAPON EFFECTS FOR CITIES
NEAR SOFT AND HARD TARGETS. HOWEVER, ALL WEAPON
EFFECTS NEED TO BE CONSIDERED FOR BOTH CASES. THE
SIGNIFICANCE OF THIS FACT IS THAT THE PROCEDURES
DEVELOPED UNDER THE SOFT TARGET STUDY MAY BE
APPLIED TO THE STUDY OF CIVIL DEFENSE
COUNTERMEASURES FOR CITIES IN ANY TARGETING
SITUATION. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 930

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

CIVIL DEFENSE COURSE DEVELOPMENT TECHNIQUES.
INSTRUCTOR'S GUIDE FOR A COURSE IN STATE LEVEL CIVIL
DEFENSE STAFF OPERATIONS. (U)

JUN 64 152P FLETCHER, DOROTHY E. ; SIEGEL,
ARTHUR I. ;
CONTRACT: OCD OS62 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, TRAINING), CIVIL
DEFENSE PERSONNEL, CIVILIAN PERSONNEL, INSTRUCTORS,
CONTROL, SHELTERS, DEFENSE SYSTEMS, TRANSPORTATION,
COMMUNICATION SYSTEMS, WARNING SYSTEMS, FEASIBILITY
STUDIES (U)

AN INSTRUCTOR'S GUIDE FOR A COURSE IN STATE LEVEL
CIVIL DEFENSE STAFF OPERATIONS IS PRESENTED. THE
GUIDE REPRESENTS AN ADJUNCT TO ACTUAL COURSE
MATERIALS DEVELOPED SEPARATELY. THE TOTAL RESULT
CONSTITUTES THE END PRODUCTS EMERGING FROM A
FEASIBILITY STUDY INTO TECHNIQUES FOR DEVELOPING
CIVIL DEFENSE COURSES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 931

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

CIVIL DEFENSE COURSE DEVELOPMENT TECHNIQUES. A COURSE
IN STATE LEVEL CIVIL DEFENSE STAFF OPERATIONS. (U)

JUN 64 364P FLETCHER, DOROTHY E. SIEGEL,
ARTHUR I. I
CONTRACT: OCD 0562 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, TRAINING), CIVIL
DEFENSE PERSONNEL, CIVILIAN PERSONNEL, INSTRUCTORS,
CONTROL, SHELTERS, DEFENSE SYSTEMS, TRANSPORTATION,
COMMUNICATION SYSTEMS, WARNING SYSTEMS, FEASIBILITY
STUDIES (U)

THE RESULTS OF DEVELOPING FOR CIVIL DEFENSE A
COURSE BASED ON TECHNIQUES CUSTOMARILY EMPLOYED IN
DEVELOPING COURSES FOR WEAPON SYSTEM'S HARDWARE
DEVELOPMENT ARE PRESENTED. THE RESULTS ARE
PRESENTED IN THE FORM OF A COURSE IN STATE LEVEL
CIVIL DEFENSE STAFF OPERATIONS. PRELIMINARY TEST
OF THE MATERIALS SUGGESTS THAT A VITAL, NEEDED COURSE
WAS OBTAINED AND THAT, AT LEAST FOR THE SUBJECT
MATTER AREA INVESTIGATED, THE TECHNIQUE IS
APPROPRIATE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-602 849

HUDSON INST INC HARMON-ON-HUDSON N Y

COLLATERAL DAMAGE.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

JUN 64 136P

KRUPKA, ROBERT A. I

REPT. NO. 361-RK/5

CONTRACT: OCD 0563 122

TASK: 4113D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*NUCLEAR WARFARE CASUALTIES, CIVILIAN PERSONNEL), (*POPULATION, NUCLEAR EXPLOSION DAMAGE), (*SHELTERS, COSTS), BLAST, AERIAL TARGETS, CIVIL DEFENSE SYSTEMS, URBAN AREAS, TABLES, MATHEMATICAL ANALYSIS, MILITARY FACILITIES (U)

THE PAPER PRESENTS THE METHODOLOGY AND RESULTS OF A LIMITED STUDY UNDERTAKEN TO DETERMINE COLLATERAL POPULATION DAMAGE FROM WEAPONS AIMED AT STRATEGIC MILITARY BASES AND TO ROUGHLY ESTIMATE THE COST OF BLAST SHELTERS TO PROTECT EVERYONE AT RISK. FOUR SETS OF CALCULATIONS ARE GIVEN. THE FIRST (APPENDIX A, LABELED 'ROUGH COMPUTATIONS') CONTAINS A DETAILED LISTING OF BASES AND CITIES AT RISK, PLUS MORTALITIES COMPUTED USING CENSUS DATA, TARGET TO CITY DISTANCES, AND THE DAMAGE MODEL SELECTED. THE SECOND (APPENDIX B, LABELED 'DETAIL CALCULATIONS FOR TEN TARGETS') CONTAINS THE RESULTS OF REFINED CALCULATIONS FOR SOME LARGE CITIES IN WHICH EACH CENSUS TRACT IS TREATED AS A POPULATION CENTER. THE THIRD (APPENDIX C, LABELED 'ADJUSTED COMPUTATIONS') CONTAINS THE RESULTS OF MODIFYING THE FIRST SET OF COMPUTATIONS ACCORDING TO THE RESULTS OF THE REFINED COMPUTATIONS. THE FOURTH (APPENDIX D, LABELED 'BLAST SHELTER COST COMPUTATIONS') CONTAINS BLAST SHELTER COST CALCULATIONS FOR PROTECTION AGAINST 1-MT AND 8-MT ATTACKS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-604 274

PUBLIC HEALTH SERVICE WASHINGTON D C DIV OF HEALTH
MOBILIZATION

THE ROLE OF THE DENTIST IN NATIONAL DISASTER, (U)

JUL 64 21P

CONTRACT: OCD 0563 65

TASK: 2421D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH THE
COUNCIL ON FEDERAL DENTAL SERVICES OF THE AMERICAN
DENTAL ASSOCIATION.

DESCRIPTORS: (*CIVIL DEFENSE, DENTAL PERSONNEL),
(*DENTISTRY, CIVIL DEFENSE), (*DENTAL PERSONNEL, CIVIL
DEFENSE), NUCLEAR WAR CASUALTIES, PUBLIC HEALTH,
TRAINING PROGRAMS, EDUCATION, LEADERSHIP, DIAGNOSIS,
MEDICAL EXAMINATION, THERAPY, SURGERY (U)

THERE ARE THREE BASIC AREAS OF RESPONSIBILITY IN
WHICH THE DENTIST CAN SERVE MOST EFFECTIVELY: (A)
CIVIC OR COMMUNITY; (B) ADMINISTRATIVE; AND
(C) PROFESSIONAL. THESE AREAS CAN BE CAPABLY
SERVED BY THE DENTIST WITHOUT RESORT TO EXTRA
DISCIPLINARY TRAINING. EXTRA DISCIPLINARY
FUNCTIONS THAT BECOME THE RESPONSIBILITY OF THE
DENTIST CAN BE ATTAINED THROUGH THE INSTITUTION OF
TRAINING PROGRAMS UNDER THE COMBINED AEGIS OF THE
MEDICAL AND DENTAL PROFESSIONS. ONLY THE TOTAL
HEALTH TEAM APPROACH CAN EFFECTIVELY COPE WITH THE
PROBLEMS CREATED BY A NATIONAL DISASTER. THE
EFFECTIVE UTILIZATION OF DENTAL AUXILIARY PERSONNEL;
THE DENTAL HYGIENIST, DENTAL ASSISTANT AND DENTAL
LABORATORY TECHNICIAN IS RECOGNIZED AS A NECESSARY
ADDITION TO THE TOTAL HEALTH TEAM. THE RECOMMENDED
APPROACH TO PREPARE THE DENTIST AND DENTAL
AUXILIARIES FOR NEW AND EXPANDED FUNCTIONS IN
PROVIDING EMERGENCY CARE IN NATIONAL DISASTER IS
THROUGH THE IMPLEMENTATION OF DISASTER PREPAREDNESS
PRINCIPLES INTO EXISTING DENTAL CURRICULUMS.
(AUTHOR; (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-604 275

PUBLIC HEALTH SERVICE WASHINGTON D C DIV OF HEALTH
MOBILIZATION

THE ROLE OF THE PHARMACIST IN NATIONAL DISASTER. (U)

JUL 64 35P
CONTRACT: OCD OS63 65
TASK: 2421D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH THE
AMERICAN PHARMACEUTICAL ASSOCIATION'S COMMITTEE ON
DISASTER AND NATIONAL SECURITY.

DESCRIPTORS: (•PHARMACOLOGY, CIVIL DEFENSE), (•CIVIL
DEFENSE, MEDICAL PERSONNEL), (•MEDICAL PERSONNEL, CIVIL
DEFENSE), EDUCATION, TRAINING PROGRAMS, MEDICAL
SUPPLIES, DRUGS, DOSAGE, STORAGE, MEDICAL EXAMINATION,
THERAPY, PUBLIC HEALTH, SURVIVAL, COMMUNICABLE DISEASES,
RADIATION EFFECTS, DECONTAMINATION (U)
IDENTIFIERS: PHARMACIST (U)

THE ROLE OF THE PHARMACIST IN DISASTER PREPAREDNESS
WAS RECORDED, SETTING FORTH PRIORITIES ON PHARMACISTS
IN DIFFERENT TYPES OF PRACTICE. RECOMMENDATIONS
FOR IMPLEMENTATION OF THE REPORT INCLUDE THE CREATION
OF AN AWARENESS OF THE PROBLEMS BY ALL PHARMACISTS,
THE MOTIVATION OF PHARMACISTS TO BETTER EQUIP
THEMSELVES FOR ASSUMING RESPONSIBILITIES IN DISASTER
PROGRAMS, AND THE ESTABLISHMENT OF SUITABLE
EDUCATIONAL OR TRAINING MECHANISMS TO ACHIEVE THESE
RESULTS. TO DO THIS, CLOSER COORDINATION WITH
FEDERAL, STATE, AND LOCAL GOVERNMENTS IS URGED, MORE
USE BY PHARMACISTS OF THE TRAINING MATERIALS OF THE
MEDICAL SELF-HELP PROGRAM, AND AN EVALUATION OF
BETTER UTILIZATION OF THE PHARMACEUTICAL RESOURCES OF
THE COMMUNITY IN SHELTER PROGRAMS. SPECIFICALLY,
THE COMMITTEE RECOMMENDED: (1) THE
ESTABLISHMENT OF JOINT COUNCILS OF HEALTH PROFESSIONS
FOR DISASTER PREPAREDNESS, (2) THE DEVELOPMENT,
PUBLICATION AND DISTRIBUTION OF A BASIC ORIENTATION
MANUAL FOR PHARMACISTS, (3) THE ESTABLISHMENT OF
A PHARMACY LIAISON OFFICER FOR CIVIL DEFENSE. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-606 69U

RAND CORP SANTA MONICA CALIF

THE SOVIET CIVIL DEFENSE PROGRAM,

(U)

MAR 62 24P GOURE, LEON I
REPT. NO. P-2554

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: THIS LECTURE WAS PREPARED FOR
PRESENTATION AT THE NATIONAL MEETING OF THE AMERICAN
CHEMICAL SOCIETY, DIVISION OF INDUSTRIAL AND
ENGINEERING CHEMISTRY IN WASHINGTON, D. C. 27 MAR
62.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, USSR), (*USSR,
CIVIL DEFENSE SYSTEMS), GOVERNMENT (FOREIGN), SHELTERS,
POPULATION, TRAINING, PROPAGANDA, SYMPOSIA (U)

SOVIET CIVIL DEFENSE IS THE SUBJECT OF PUBLIC
DISCUSSION IN THE UNITED STATES WITH A GREAT DEAL
OF CONFLICTING INFORMATION BEING PUBLISHED ABOUT IT.
FOLLOWING THE LATE PRESIDENT KENNEDY'S
ANNOUNCEMENT OF PLANS TO ACCELERATE AND EXPAND THE
UNITED STATES CIVIL DEFENSE AND SHELTER
CONSTRUCTION PROGRAM, THE SOVIET UNION HAS DONE
ITS BEST TO CAST DOUBTS ON THE VALUE OF THE U. S.
EFFORT AS WELL AS TO DENY THE EXISTENCE OF A SIMILAR
CIVIL DEFENSE PROGRAM IN THE SOVIET UNION. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-609 094

PITTSBURGH UNIV PA

LEVELS OF ACTIVITY,

(U)

OCT 64 49P ANDERSON, MARTHA WILLIS ;
CONTRACT: OGD 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE PERSONNEL, STATISTICAL DATA), (SOCIOLOGY, CIVIL DEFENSE PERSONNEL), COLD WAR, ATTITUDES, POPULATION, PUBLIC OPINION, UNITED STATES, GEOGRAPHY, URBAN AREAS, SOCIAL SCIENCES (U)

AN INVESTIGATION WAS CONDUCTED INTO THE EXTENT AND COMPOSITION OF SUPPORT FOR THE CIVIL DEFENSE PROGRAM FROM WORLD WAR II TO 1963. THE REPORT IS ONE OF A SERIES OF PAPERS BASED ON DATA FROM A UNIVERSITY OF PITTSBURGH NATIONAL STUDY ENTITLED THE COLD WAR AND CIVIL DEFENSE ATTITUDES, CONDUCTED DURING THE YEAR 1963 WITH A SAMPLE OF 1,434. THE FOCUS WAS A SET OF THREE QUESTIONS ABOUT CIVIL DEFENSE ACTIVITY: 1) HAD THE RESPONDENT OR ANY MEMBER OF HIS FAMILY EVER BEEN ACTIVE IN CIVIL DEFENSE, 2) WHEN, AND 3) WHAT DID THEY DO. RESPONSES TO THESE QUESTIONS WERE RUN AGAINST RELEVANT PERSONAL DATA IN ORDER TO ATTEMPT TO DETERMINE THE NUMBER AND COMPOSITION OF THE GROUP WHICH HAD BEEN ACTIVE. IT BECAME IMMEDIATELY APPARENT THAT 14.6 PERCENT OF OUR RESPONDENTS, OR 196 PEOPLE, HAD BEEN ACTIVE IN CIVIL DEFENSE AT ANY TIME, AND FURTHER THAT THE MAJORITY OF THESE PEOPLE HAD BEEN ACTIVE DURING THE SECOND WORLD WAR AND HAD PARTICIPATED MOST OFTEN IN TERMS OF CARRYING OUT ASSIGNED ROLES. THE GROUP SEEN AS ACTIVE AT THE TIME OF INTERVIEW IS ANALYZED SINGLY, IN TERMS OF THE PERSONAL DATA. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-609 095
PITTSBURGH UNIV PA

COLD WAR AND CIVIL DEFENSE ATTITUDES; THE
DESIRABILITY OF ALTERNATE MODES OF ORGANIZING A CIVIL
DEFENSE EFFORT, (U)

OCT 64 20P COLEMAN, ALAN N. ;
CONTRACT: OCD 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COLD WAR, ATTITUDES), (*CIVIL DEFENSE
SYSTEMS, PUBLIC OPINION), (*SOCIOLOGY, CIVIL DEFENSE
SYSTEMS), UNITED STATES, STATISTICAL DATA, POPULATION,
URBAN AREAS, RURAL AREAS, SOCIAL SCIENCES (U)

A NATIONAL SAMPLE OF 1,434 RESPONDENTS WAS ASKED TO
ASSESS THE DESIRABILITY OF EACH OF FIVE DIFFERENT
WAYS OF ORGANIZING A CIVIL DEFENSE PROGRAM: (1)
ONE CARRIED OUT MOSTLY BY VOLUNTEERS; (2) A
PROGRAM UNDER STATE AND LOCAL GOVERNMENTS; (3) A
NEAR-MILITARY ORGANIZATION, SIMILAR TO THE NATIONAL
GUARD; (4) A PROGRAM UNDER ONE OF THE PRESENT
ARMED SERVICES; (5) A NEW, SEPARATE SERVICE ALONG
THE LINES OF THE PRESENT ARMED FORCES. IN
ASSESSING THE NATURE OF THE SOCIAL SITUATION FROM
WHICH OPINIONS ON THE ABOVE-MENTIONED ALTERNATIVES
WERE GENERATED, IT WAS FOUND, ON THE ONE HAND, THAT
ALL OF THE PROGRAMS WERE GENERALLY MORE DESIRABLE TO
RESPONDENTS IN THE LOWER SOCIOECONOMIC POSITIONS IN
THE SOCIETY (IN TERMS OF INCOME, EDUCATION AND
OCCUPATION) AND THAT CATHOLIC RESPONDENTS FOUND
ALL OF THE ALTERNATIVES MORE DESIRABLE THAN DID
PROTESTANTS, WITH THE EXCEPTION OF THE STATE-LOCAL
PROGRAM, WHERE BOTH GROUPS FOUND IT EQUALLY
FAVORABLE. ON THE OTHER HAND, DIFFERENCES IN
SOCIAL FACTORS WERE REFLECTED IN THE FINDINGS THAT
NON-METROPOLITAN AREAS OF RESIDENCE FOUND THE
VOLUNTARY AND STATE-LOCAL ALTERNATIVES MORE DESIRABLE
THAN DID METROPOLITAN AREAS; THAT THE VOLUNTARY
PROGRAM WAS FAVORED EQUALLY BY REPUBLICANS AND
DEMOCRATS BUT THE STATE-LOCAL WAS DESIRED MORE BY
REPUBLICANS, ALL OTHER ALTERNATIVES BEING FAVORED
MORE BY DEMOCRATS THAN REPUBLICANS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-609 202

PITTSBURGH UNIV PA

SOME PUBLIC VIEWS ON CIVIL DEFENSE PROGRAMS, (U)

DEC 64 112P NEHNEVAJSA, JIRI ; BRODIF,
DOROTHY V. ; KROCHMAL, DONNA ; POMEROY, RICHARD ;

CONTRACT: OCU OS63 48

TASK: 48128

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),
(*PUBLIC OPINION, CIVIL DEFENSE SYSTEMS), SOCIOLOGY,
SHELTERS, COSTS, ATTITUDES, POPULATION, UNITED STATES,
STATISTICAL DATA, SAMPLING, ABSTRACTING (U)

THESE FOUR REPORTS ARE BASED ON A SURVEY OF CIVIL DEFENSE AND COLD WAR ATTITUDES CONDUCTED IN MID-1963. INTERVIEWS WERE CONDUCTED WITH A NATIONAL PROBABILITY SAMPLE OF 1,434 AMERICANS. EACH REPORT TAKES AS A TOPIC A KEY ASPECT OF THE SAMPLE'S ORIENTATION TO CIVIL DEFENSE SYSTEMS AND COLD WAR ISSUES AND ANALYZES IT IN TERMS OF RELEVANT SOCIAL AND PERSONAL CHARACTERISTICS. INTERVIEW SCHEDULES WERE ADMINISTERED IN THE SUMMER OF 1963 AND DEALT WITH THE LIKELIHOOD AND DESIRABILITY OF VARIOUS ALTERNATIVE SHELTER SYSTEMS AND COLD WAR OUTCOMES. IN ADDITION TO THE DATA COLLECTED ON ATTITUDES AND OPINIONS ON THE CENTRAL ISSUES RESPONDENTS WERE ASKED A SERIES OF QUESTIONS SPECIFYING PERTINENT ELEMENTS OF THEIR SOCIAL AND PERSONAL ATTRIBUTES. THESE DEALT WITH SUCH TOPICS AS MARITAL STATUS, FAMILY INCOME, EDUCATION, AGE, ETC., AND A VARIETY OF OTHER QUESTIONS TAPPING THESE DIMENSIONS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-611 160

FEDERAL CIVIL DEFENSE ADMINISTRATION WASHINGTON D C

DAMAGE TO CONVENTIONAL AND SPECIAL TYPES OF
RESIDENCES EXPOSED TO NUCLEAR EFFECTS.

(U)

DESCRIPTIVE NOTE: REPT. FOR FEB-MAY 55,

APR 61 81P RANDALL, PHILIP A. :

PROJ: 31 1

MONITOR: WT , 1194

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON OPERATION TEAPOT. RESEARCH
DONE IN COOPERATION WITH THE FEDERAL HOUSING
ADMINISTRATION, WASHINGTON, D. C., AND THE HOUSING
AND HOME FINANCE AGENCY, WASHINGTON, D. C.

DESCRIPTORS: (•HOUSING, NUCLEAR EXPLOSION DAMAGE),
(•NUCLEAR EXPLOSION DAMAGE, HOUSING), (•CIVIL DEFENSE
SYSTEMS, HOUSING), BUILDINGS, WOOD, BRICK, REINFORCED
CONCRETE, STRUCTURAL PROPERTIES, VULNERABILITY, NUCLEAR
EXPLOSIONS, CIVIL ENGINEERING, PHOTOGRAPHS (U)
IDENTIFIERS: TEAPOT OPERATION (U)

AT THE NEVADA TEST SITE OF THE ATOMIC
ENERGY COMMISSION, 10 RESIDENTIAL STRUCTURES WERE
EXPOSED TO THE EXPLOSION OF A NUCLEAR DEVICE (APPLE
II) OF APPROXIMATELY 30-KT YIELD, DETONATED ATOP A
500-FT TOWER, TO TEST THEIR BEHAVIOR AND RESISTANCE
TO NUCLEAR WEAPONS EFFECTS AND TO OBTAIN DATA THAT
WILL CONTRIBUTE TO THE DEVELOPMENT OF IMPROVED
PROTECTIVE DESIGNS. FROM A DETERMINATION OF THE
BEHAVIOR OF THESE STRUCTURES UNDER BLAST, THERMAL,
AND NUCLEAR RADIATION EFFECTS, IT SHOULD BE POSSIBLE
TO DETERMINE THE BEST STEPS TO BE TAKEN FOR THE
PROTECTION OF FAMILIES LIVING IN SUCH STRUCTURES AND
TO OBTAIN NECESSARY ADDITIONAL DATA ON THE STRENGTHS
OF THE STRUCTURES AS A WHOLE AND POSSIBLE WEAKNESSES
IN COMPONENT PARTS. THE PROJECT WAS CONCERNED
PRIMARILY WITH BLAST AND RADIATION EFFECTS ON
RESIDENTIAL STRUCTURES, AND PRECAUTIONS WERE TAKEN TO
AVOID IGNITION OF THE STRUCTURES BY THE THERMAL
ENERGY OF THE EXPLOSION. DATA OBTAINED ARE
EXPECTED TO BE USEFUL ALSO IN THE DEVELOPMENT OF
METHODS FOR STRENGTHENING THE STRUCTURES WITHIN
LIMITS OF PRACTICAL ECONOMY, AND IN PROVIDING
INFORMATION ON THE POSSIBLE USE OF THE STRUCTURES FOR
HOUSING WITHOUT MAJOR REPAIRS FOLLOWING A NUCLEAR
EVENT. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-611 438

RESEARCH TRIANGLE INST DURHAM N C

A THESAURUS OF CIVIL DEFENSE DESCRIPTORS. CIVIL
DEFENSE INFORMATION SYSTEMS ANALYSIS.

(U)

DESCRIPTIVE NOTE: FINAL REPT., APP. E: VOL. 2, 1 DEC
63-15 JAN 65,

JAN 65 224P HERZOG, W. T. | JENKINS, J. E. |
REPT. NO. OU-158-1
TASK: 46318

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•INFORMATION RETRIEVAL, CIVIL DEFENSE
SYSTEMS), (•SUBJECT INDEXING, CIVIL DEFENSE SYSTEMS),
(•CIVIL DEFENSE SYSTEMS, DOCUMENTATION), INDEXES,
VOCABULARY, CLASSIFICATION, INSTRUCTION MANUALS,
LANGUAGE, LIBRARIES, RECORDS, REPORTS, ANALYSIS (U)
IDENTIFIERS: DESCRIPTORS, THESAURI, CODING (U)
(DOCUMENTATION)

A LISTING OF APPROXIMATELY 600 WORDS OR PHRASES
(DESCRIPTORS) IS PROVIDED FOR USE IN INDEXING AND
RETRIEVING CIVIL DEFENSE RESEARCH INFORMATION.
INCLUSION NOTES, 'USE,' AND 'ALSO SEE'
REFERENCES ARE PROVIDED AS WELL AS GENERAL DIRECTIONS
FOR APPLYING DESCRIPTORS TO CIVIL DEFENSE
INFORMATION. THE DESCRIPTOR SELECTION WAS MODELED
ON THE SYSTEM OF THE DEFENSE DOCUMENTATION
CENTER (DDC). ABOUT 70 OF THE 600 DESCRIPTORS
ARE NOT USED BY DDC. THEY WERE CHOSEN FROM THE
CIVIL DEFENSE MATRIX AND FROM SPECIAL FIELDS OF
INTEREST. THIS CORE OF 600 GENERAL DESCRIPTORS CAN
BE SUPPLEMENTED WITH SPECIFIC TERMS IN THE SUBJECT
AREAS WHERE THE QUANTITY OF DOCUMENTS WARRANTS MORE
INTENSIVE INDEXING. FROM PREVIOUS LIBRARY
EXPERIENCE (PB-166 415), IT IS ESTIMATED THAT THE
600 DESCRIPTORS CHOSEN ARE THE MINIMUM NUMBER NEEDED
FOR A COLLECTION OF 1000 DOCUMENTS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-611 764

DUNLAP AND ASSOCIATES INC DARIEN CONN

REQUIREMENTS FOR LOCAL PLANNING TO COVER HAZARDS OF
FALLOUT. VOLUME 1. (U)

DESCRIPTIVE NOTE: FINAL REPT., VOL. 1:

JAN 65 63P

REPT. NO. DRD-64-110 VOL. 1

CONTRACT: OCD OS63 161

TASK: 4531A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, EFFECTIVENESS),
(•SHELTERS, MANAGEMENT PLANNING), POPULATION,
DISTRIBUTION, TRAFFIC, PASSENGER VEHICLES, FIRES, FIRE
SAFETY, HAZARDS, RADIOACTIVE FALLOUT, LINEAR
PROGRAMMING, CONNECTICUT (U)

THE STUDY CONCENTRATED UPON DEVELOPING EFFECTIVE
PLANS FOR ASSIGNING SHELTERS TO POPULATION, AND FOR
BRINGING THE POPULATION TO THE SHELTER. TWO
MEDIUM-SIZED TOWNS IN CONNECTICUT, STAMFORD AND
WATERBURY, WERE STUDIED IN DETAIL. FOR EACH
TOWN, A STUDY WAS MADE ON THE EFFECTIVENESS OF A
NUMBER OF PLANS OF VARYING DETAIL AND COMPLEXITY IN
GETTING PEOPLE TO SHELTER. IN ALL PLANS IT WAS
ASSUMED THAT ENOUGH TRAFFIC CONTROL WOULD BE SET UP
TO AVOID BLOCKAGES OF TRAFFIC NEAR SHELTERS, AND THAT
THE POPULATION WOULD KNOW TO WHAT SHELTER AREAS THEY
HAD BEEN ASSIGNED, AND HOW THEY WERE SUPPOSED TO GET
THERE. TWO TYPES OF SHELTER ASSIGNMENT WERE MADE:
THE FIRST WAS BY CENSUS TRACT, THE SECOND BY
INDIVIDUAL LOCATION. IN THE FIRST, PEOPLE FROM
SHELTER-POOR CENSUS TRACTS WERE DIRECTED TO SHELTER-
RICH CENSUS TRACTS, ACCORDING TO A LINEAR PROGRAMMING
METHOD AIMED AT MINIMIZING DISTANCE TRAVELED. IN
THE SECOND, A SIMILAR METHOD WAS USED TO ASSIGN
PEOPLE TO ACTUAL BUILDINGS. STUDIES WERE MADE OF
VARIOUS SPEEDS OF MOVEMENT TO SHELTER AND THEIR
EFFECTS UPON RATE AT WHICH THE POPULATION WAS
SHELTERED. PLANNING PROBLEMS ASSOCIATED WITH
PRIMARY AND SECONDARY FIRES WERE GIVEN CURSORY
EXAMINATION. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-612 299

RESEARCH TRIANGLE INST DURHAM N C

CIVIL DEFENSE INFORMATION SYSTEMS ANALYSIS (A
FEASIBILITY STUDY OF RESEARCH INFORMATION
EXCHANGE).

(U)

DESCRIPTIVE NOTE: FINAL REPT., VOL. 1, 1 DEC 63-15 JAN
65,

JAN 65 146P HERZOG, W. T. ; JENKINS, J. E. ;
REPT. NO. R-OU-158-1
TASK: 46318

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, DOCUMENTATION),
(•INFORMATION RETRIEVAL, CIVIL DEFENSE SYSTEMS), SUBJECT
INDEXING, REPORTS, LIBRARIES, LANGUAGE, VOCABULARY,
CIVIL DEFENSE PERSONNEL, ANALYSIS, SOURCES, FEASIBILITY
STUDIES (U)

IDENTIFIERS: INFORMATION SYSTEMS, INFORMATION CENTERS,
INFORMATION EXCHANGE SYSTEM (U)

A FEASIBILITY STUDY WAS PERFORMED OF A CIVIL
DEFENSE SCIENTIFIC AND TECHNICAL INFORMATION SYSTEM
THAT WILL INSURE THE READY AVAILABILITY OF
INFORMATION TO ALL PERTINENT OCD ELEMENTS AND TO
CONTRACT RESEARCH PERSONNEL. A BRIEF ANALYSIS OF
SCIENTIFIC INFORMATION SYSTEMS IS PRESENTED AS
BACKGROUND FOR A DISCUSSION OF THE PRESENT CIVIL
DEFENSE INFORMATION SYSTEM. THE POTENTIAL SOURCES
OF CIVIL DEFENSE INFORMATION ARE LISTED. THE CIVIL
DEFENSE INFORMATION SYSTEM IS DEFINED TO BE THE
RELATIONSHIPS OR EXCHANGE BETWEEN THE SOURCES OF
CIVIL DEFENSE INFORMATION AND THE USERS OF THIS
INFORMATION. METHODS FOR IMPROVING THIS EXCHANGE
ARE PRESENTED. THESE SUGGESTIONS INCLUDE THE
ESTABLISHMENT OF AN INFORMATION ANALYSIS CENTER,
THE PRINTING OF A QUARTERLY TECHNICAL PROGRESS
REVIEW, AND THE USE OF STANDARD REPORT FORMAT AND
INDEXING PROCEDURES. TO FOSTER STANDARD INDEXING
PROCEDURES, A 'THESAURUS OF CIVIL DEFENSE
DESCRIPTORS' IS PROVIDED (AD-611 438).
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-612 706

INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA ECONOMIC AND
POLITICAL STUDIES DIV

FEDERAL CIVIL DEFENSE ORGANIZATION; THE RATIONALE OF
ITS DEVELOPMENT. (U)

JAN 65 107P GESSERT, ROBERT A. (JORDAN,
NEHEMIAH) TASHJEAN, JOHN E.
REPT. NO. STUDY S-184 IDA/HQ-65-3480
CONTRACT: OCD-OS-63-134

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, MANAGEMENT
PLANNING), NATIONAL DEFENSE, DEFENSE SYSTEMS,
COMMUNICATION SYSTEMS, UNITED STATES GOVERNMENT,
DEPARTMENT OF DEFENSE, SHELTERS, EDUCATION, CIVIL
DEFENSE PERSONNEL, DECISION MAKING, WARNING SYSTEMS,
COSTS, HISTORY (U)

IDENTIFIERS: COST-EFFECTIVENESS ANALYSIS,
ORGANIZATIONS (U)

THE PRESENT STUDY EXAMINES THE ORGANIZATIONAL
CONCEPTS WHICH HAVE EMERGED DURING THE MODERN HISTORY
OF CIVIL DEFENSE. SINCE THESE HAVE DERIVED LARGELY
FROM POLITY-ORIENTED APPROACHES, CONCEPTS OF THE ROLE
OF CIVIL DEFENSE IN NATIONAL SECURITY POLICY AND
MACHINERY, OF FEDERAL, STATE, AND LOCAL
RESPONSIBILITIES, AND OF EMERGENCY POWERS ARE
STRESSED. THE ISSUES UNDERLYING THESE POLITY
PROBLEMS ARE CONSIDERED UNDER THREE MAIN HEADINGS:
THE MISSION AND PURPOSE OF CIVIL DEFENSE, THE
OPERATIONAL REQUIREMENTS FOR FULFILLING THE LIFE-
SAVING MISSION, AND THE POLICY CONSTRAINTS WHICH
LIMIT THE RANGE OF FEASIBLE WAYS TO MEET
REQUIREMENTS. COST/EFFECTIVENESS ANALYSES ARE
SUGGESTED FOR INITIAL COMPARISONS OF THE ALTERNATIVE
ORGANIZATIONAL SYSTEMS FOR SATISFYING REQUIREMENTS
FOR PROTECTIVE CAPABILITIES, EMERGENCY SERVICES,
RESOURCE ALLOCATION, AND COMMUNICATIONS SYSTEMS.
BROAD ORGANIZATIONAL PROPOSALS WHICH HAVE BEEN
RECOMMENDED ARE EXAMINED, AND THE PRINCIPAL REASONS
FOR WHICH THEY HAVE BEEN REJECTED ARE INDICATED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-613 608

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

ARGUMENTATIVE THEMES IN CIVIL DEFENSE: (1) A CONTENT
ANALYSIS OF THE NEW YORK TIMES. (U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.
JUN 64 75P BETTINGHAUS, ERWIN P. ;

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),
(•NEWSPAPERS, CIVIL DEFENSE SYSTEMS), NUCLEAR WARFARE,
SHELTERS, COSTS, HISTORY, POLITICAL SCIENCE, UNITED
STATES GOVERNMENT, ATTITUDES, SURVIVAL, DISARMAMENT (U)
IDENTIFIERS: FALLOUT SHELTERS, NEW YORK TIMES (U)

THE REPORT PROVIDES THE COMMUNICATION RESEARCHER OR
THE PUBLIC AFFAIRS SPECIALIST WITH A CATEGORY SCHEME
FOR DESCRIBING THE MATERIALS TO BE FOUND IN THE CIVIL
DEFENSE FIELD. IT ALSO PROVIDES AN APPENDIX WHICH
ATTEMPTS TO RECONCILE TWO DIVERGENT REPORTS ON CIVIL
DEFENSE MATERIALS. ONE REPORT, ENTITLED
ARGUMENTATIVE THEMES IN CIVIL DEFENSE, IS
COMPARED WITH CIVIL DEFENSE AND SOCIETY BY
JERI NEHNEVAJSA AND HIS COLLEAGUES AT THE
UNIVERSITY OF PITTSBURGH. THE COMPARISON
INDICATES THAT THE TWO REPORTS ARE NOT INCOMPATIBLE,
ALTHOUGH THE CATEGORY SCHEMES USED IN THE TWO SEEM
QUITE DIFFERENT. THE REPORT SUGGESTS THAT THERE ARE
SIXTEEN GENERAL AREAS INTO WHICH CIVIL DEFENSE
MATERIALS CAN BE PLACED. THE CATEGORIES ARE ONLY
RELATIVELY INDEPENDENT, BUT CERTAINLY SERVE TO
DISTINGUISH VARIOUS POSITIONS IN THE CIVIL DEFENSE
DIALOGUE. THE REPORT ALSO OFFERS THE FOLLOWING
TENTATIVE CONCLUSIONS REGARDING THE FREQUENCY OF
MATERIALS APPEARING IN THE NEW YORK TIMES FOR
THE PERIOD CITED: (1) THE GREATEST PERCENTAGE
(39.4%) OF ALL ARGUMENTS IDENTIFIED REFERRED TO
FALLOUT SHELTERS; AND (2) THE LARGEST PERCENTAGE
OF ALL STORIES (48.2%) WERE FOUND TO BE FAVORABLE
TO OCD POLICIES, AND, WHEN THE NEUTRAL ARTICLES ARE
REMOVED FROM CONSIDERATION, THE PERCENTAGE RISES TO
69.9%. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-613 637

HUDSON INST INC HARMON-ON-HUDSON N Y

CHANGING PROSPECTS, MISSIONS AND ROLES FOR CIVIL
DEFENSE: 1965-1975,

(U)

FEB 65 47P BROWN, WILLIAM M. ; CASTIL,
RAYMOND D. ; KAHN, HERMAN ; WIENER, ANTHONY J. ;

REPT. NO. HI-477-RR
CONTRACT: OCD 0562 18
TASK: 4211A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, EFFECTIVENESS),
COLD WAR, WARNING SYSTEMS, DEFENSE SYSTEMS, ARMS
CONTROL, DETERRENCE, STRATEGIC WARFARE, NUCLEAR WARFARE,
SHELTERS, USSR, UNITED STATES (U)

THE MAJOR CONCLUSION FOR CIVIL DEFENSE PLANNING IS
THAT SMALL OR INTRAWAR ATTACKS, ARISING OUT OF DEEP
CRISES, ARE THE EASIEST AND CHEAPEST TO PREPARE
AGAINST, APPARENTLY THE LEAST UNLIKELY, AND YET AMONG
THE MOST NEGLECTED OF CIVIL DEFENSE CONTINGENCIES.
WHILE THE POSSIBILITY OF MASSIVE SURPRISE ATTACK
SHOULD NOT BE IGNORED, THE RELATIVE OVEREMPHASIS UPON
IT HAS HAMPERED REALISTIC PLANNING EFFORTS. A MORE
REALISTIC ALLOCATION OF PLANNING EMPHASES LEADS TO
INCREASED INTEREST IN CIVIL DEFENSE AND EMERGENCY
PLANNING PROGRAMS CONTAINING SOME OR ALL OF THE
FOLLOWING ELEMENTS: (1) A CRISIS MOBILIZATION
BASE; (2) A TENSION MOBILIZATION BASE; (3) A
POST-ATTACK RECUPERATION BASE; (4) POSSIBLE ARMS
CONTROL AND INCREASED DEFENSE AGREEMENTS, INCLUDING
COOPERATIVE CIVIL DEFENSE; AND (5) PROGRAMS THAT
VARY PROTECTION WITH POPULATION DENSITY TO REDUCE THE
LUCRATIVENESS OF POPULATION TARGETS. STRATEGIC AND
POLITICAL ASPECTS OF SUCH PROGRAM ELEMENTS ARE
DISCUSSED, AND, ON BALANCE, THEY ARE RECOMMENDED.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-613 666

PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

PERCEIVED EFFECTIVENESS OF AMERICA'S DEFENSES. (U)

MAR 65 16dP BRODIE, DOROTHY V. ;
TASK: 48 21C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AVAILABLE COPY WILL NOT PERMIT FULLY
LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF
REQUESTED BY USERS OF DDC. COPY IS AVAILABLE FOR PUBLIC
SALE.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),
EFFECTIVENESS, SHELTERS, NUCLEAR WARFARE, COLD WAR,
WEAPON SYSTEMS, POPULATION, SAMPLING, WARNING SYSTEMS,
COSTS, SOCIOLOGY, TABLES (U)

THE REPORT EXAMINES LEVELS OF CONFIDENCE IN
AMERICA'S DEFENSE SYSTEM. THE SPECIFIC PROGRAMS
WHICH ATTEMPT TO SATISFY THE GOALS OF THE SYSTEM WERE
CONSIDERED IN THE ANALYSIS. THESE INCLUDED THE
PUBLIC'S ESTIMATE OF EFFECTIVENESS OF ACTIVE AND
PASSIVE DEFENSES. EXAMINATION OF THE CONFIDENCE IN
PASSIVE DEFENSES INVOLVED THE EVALUATION OF
EVACUATION PROGRAMS, SHELTER PROGRAMS, PROBLEMS OF
WARNING TIME, LOCAL CIVIL DEFENSE EFFORTS, COST
EFFECTIVENESS OF THE SYSTEM, AND EVALUATION OF CIVIL
DEFENSE PROGRAMS IN RELATION TO VARIOUS TYPES OF
WEAPONS EFFECTS. ALL AVAILABLE EMPIRICAL EVIDENCE
ON THESE TOPICS, DRAWN FROM THE UNIVERSITY OF
PITTSBURGH'S DATA BANK, WAS REVIEWED. AN ATTEMPT
WAS MADE TO SPECIFY THE TOPICS BY PERTINENT CROSS-
TABULATIONS. WHENEVER FEASIBLE, THE SAMPLE
POPULATIONS WERE DISCRETELY IDENTIFIED INTO
DEMOGRAPHIC SUB-GROUPS AND OTHER PERTINENT
INDICATORS. THE DATA WAS DRAWN FROM VARIOUS
INSTRUMENTS AND VARIOUS SAMPLES. WITHIN
LIMITATIONS OF THE DATA, A TREND ANALYSIS
ESTABLISHING THE BASIC CHRONOLOGY OF PUBLIC OPINION
ON THE MAJOR ISSUES WAS PROVIDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-614 386

PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THREAT PERCEPTION AND CIVIL DEFENSE.

(U)

MAR 65 202P KONTOS, DONNA K. I
TASK: 48 21C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, THREAT
EVALUATION), (*THREAT EVALUATION, PUBLIC OPINION),
(*PUBLIC OPINION, CIVIL DEFENSE SYSTEMS), SHELTERS,
FEAR, ATTITUDES, CIVILIAN PERSONNEL, EFFECTIVENESS,
TARGETS, POPULATION, NUCLEAR WARFARE (U)

THE ANALYSIS OF THE NATION'S PERCEPTION OF THREAT
INCLUDED ANXIETY ABOUT WAR; THE NATURE OF THE THREAT
PERCEIVED, NAMELY: WHAT ARE THE PERCEIVED TARGETS
AND WHAT WEAPONS WILL BE USED; ESTIMATES OF WEAPONS
EFFECTS; THE CONSEQUENCES OF THREAT PERCEPTION OF
VARYING DEGREES AND TYPE FOR ACTION; AND THE
CONSEQUENCES OF THREAT PERCEPTION OF VARYING DEGREES
AND TYPE ON THE RESPONDENT'S FEELING ABOUT CIVIL
DEFENSE AND/OR FALLOUT SHELTERS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-615 725

NATIONAL LEAGUE OF CITIES WASHINGTON D C DEPT OF URBAN
STUDIES

INTERGOVERNMENTAL CIVIL DEFENSE ORGANIZATIONS AND
PROGRAMS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

APR 65 31UP

WILLIAMS, LAWRENCE A. ;

VEILLETTE, PETER D. ; BULLIS, ANDREW S. ;

TASK: 4412B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, URBAN AREAS),

(URBAN AREAS, CIVIL DEFENSE SYSTEMS), OPERATION,

LEADERSHIP, ATTITUDES, PUBLIC OPINION

(U)

IDENTIFIERS: LOCAL GOVERNMENTS

(U)

PATTERNS OF LOCAL GOVERNMENT AND THE JURISDICTIONAL
IMPEDIMENTS TO THE EFFECTIVE PERFORMANCE OF LOCAL
SERVICES ARE DESCRIBED AND RELATED TO CIVIL DEFENSE
ORGANIZATIONAL PROBLEMS. THE MAJOR ALTERNATIVE
APPROACHES TO LOCAL GOVERNMENT JURISDICTIONAL
REORGANIZATION AND THE ADVANTAGES AND DISADVANTAGES
ATTRIBUTED TO EACH ARE EXAMINED. THREE INTER-LOCAL
GOVERNMENT CIVIL DEFENSE AGENCIES ARE TREATED ON A
CASE STUDY BASIS. EMPHASIS IS PLACED UPON LOCAL
GOVERNMENT CIVIL DEFENSE ORGANIZATION, POWERS, AND
INTERGOVERNMENTAL RELATIONSHIPS. ATTENTION IS
GIVEN TO (1) THE ROLE OF THE STATES, (2)
METHODS OF POLICY FORMULATION, (3) ARRANGEMENTS
FOR POLITICALLY RESPONSIBLE SUPERVISION, (4)
ARRANGEMENTS FOR ESTABLISHING AUTHORITY FOR UNIFIED
AND COORDINATED EMERGENCY OPERATIONS, (5)
PROCEDURES FOR ALLOCATING COSTS, AND (6) THE
INCREMENT IN CIVIL DEFENSE CAPABILITY RESULTING FROM
AREA-WIDE ORGANIZATIONS. THE VIEWS OF LOCAL
ELECTED OFFICIALS IN EIGHT METROPOLITAN AREAS
RELATIVE TO CIVIL DEFENSE AND CIVIL DEFENSE
ORGANIZATIONAL PATTERNS ARE ANALYZED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-617 734

STANFORD RESEARCH INST MENLO PARK CALIF

A SYSTEM ANALYSIS OF CIVIL DEFENSE ORGANIZATION AT
THE REGIONAL, STATE, AND LOCAL LEVELS. INITIAL
REPORT: SYSTEM DEFINITION AND PROBLEM
IDENTIFICATION, (U)

MAY 65 95P MCGEE, ARTHUR A. ; KATZ,
RICHARD C. ;
PROJ: MU4949 410 ,4536 432
TASK: 4411B ,4411C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, MANAGEMENT
PLANNING), UNITED STATES GOVERNMENT, DEPARTMENT
OF DEFENSE, NATIONAL DEFENSE, MANAGEMENT CONTROL
SYSTEMS, MANAGEMENT ENGINEERING, WARNING SYSTEMS,
SURVIVAL, FOOD, WATER SUPPLIES, COMMUNICATION
SYSTEMS, TRANSPORTATION, MEDICAL PERSONNEL,
MEDICAL SUPPLIES, CIVIL DEFENSE PERSONNEL,
EDUCATION, ECONOMICS, BANKING, URBAN AREAS (U)

THE REPORT PRESENTS A BROAD ANALYSIS OF THE CIVIL
DEFENSE SYSTEM AND ORGANIZATION AT THE REGIONAL,
STATE AND LOCAL LEVELS OF GOVERNMENT. FROM THIS
ANALYSIS THE STUDY IDENTIFIES MAJOR SYSTEM PROBLEMS
WITH ORGANIZATIONAL IMPLICATIONS AND DISCUSSES, BUT
DOES NOT QUANTITATIVELY EVALUATE, ALTERNATIVE
SOLUTIONS TO THESE PROBLEMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-618 414

IIT RESEARCH INST CHICAGO ILL

FIRE BEHAVIOR, IGNITION TO FLASHOVER.

(U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,

JUN 65 48P VODVARKA, F. J. WATERMAN, T.

E. ;

REPT. NO. N6059

TASK: 2C ,2536C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NUCLEAR EXPLOSION DAMAGE, FIRES),

(•FIRES, NUCLEAR EXPLOSION DAMAGE), IGNITION,

FIRE EXTINGUISHERS, CIVIL DEFENSE SYSTEMS,

SCIENTIFIC RESEARCH

(U)

IDENTIFIERS: FIRE SPREAD, FIRE STORMS, VELA

UNIFORM PROJECT

(U)

THE PROGRAM STUDIED FIRE BUILDUP RESULTING FROM
FLAMING IGNITIONS OF MAJOR FURNITURE ITEMS IN
SIMULATED RESIDENTIAL ROOMS. TIMES WERE DETERMINED
FOR FIRES TO DEVELOP BEYOND ELEMENTARY EXTINGUISHMENT
TECHNIQUES AND FOR FLASHOVER TO OCCUR. THE DATA
PROVIDE INFORMATION FOR DETERMINING PERSONNEL
REQUIREMENTS FOR CIVIL DEFENSE FIRE FIGHTING TEAMS
AND BRIGADES. IN ROOMS WITH CONVENTIONAL
UPHOLSTERY, IN ROOMS WITH FOAM RUBBER UPHOLSTERY, AND
IN BEDROOMS WITH BOX SPRINGS, 90 PER CENT OF THE FUEL
DEVELOPED BEYOND SELF-HELP EXTINGUISHMENT
CAPABILITIES IN 26, 8 AND 12 MINUTES, RESPECTIVELY.
BEDROOMS WITH OPEN SPRINGS DID NOT FLASH OVER.
(AUTHOR)

(U)

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-619 657

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

MASS TRAINING TECHNIQUES IN CIVIL DEFENSE. II. A
FURTHER STUDY OF TELEPHONIC ADJUNCT TRAINING.

(U)

DESCRIPTIVE NOTE: TECHNICAL REPT.,
JUL 65 76P SIEGEL, ARTHUR I. IFISCHL,
MYRON A. ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TRAINING),
(•APPLIED PSYCHOLOGY, CIVIL DEFENSE SYSTEMS),
TRAINING DEVICES, TELEPHONE COMMUNICATION SYSTEMS,
TEACHING MACHINES, POPULATION, CIVIL DEFENSE
PERSONNEL, PERFORMANCE(HUMAN); LEARNING,
MEASUREMENT, STATISTICAL TESTS, STATISTICAL
ANALYSIS

(U)

IDENTIFIERS: PROGRAMMED INSTRUCTION

(U)

THE GAIN IN KNOWLEDGE ACCRUING THROUGH USE OF
TELEPHONIC ADJUNCT TRAINING WAS INVESTIGATED AMONG
INDIVIDUALS OF LIMITED FORMAL EDUCATION. THE
RESULTS INDICATED THAT BOTH ADJUNCT AUGMENTED
TELEPHONIC TRAINING AND ADJUNCT AUGMENTED READING
WERE MORE EFFECTIVE THAN EITHER READING OR
UNAUGMENTED TELEPHONIC TRAINING FOR PRESENTING ATTACK
SURVIVAL MATERIAL TO THIS SAMPLE OF SUBJECTS. THE
TWO PRIOR STUDIES IN THE PROGRAM ARE REVIEWED. AND
THE IMPLICATIONS OF THE OVERALL PROGRAM'S RESULTS FOR
PUBLIC EDUCATION IN CIVIL DEFENSE ARE DISCUSSED.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-620 268

PUBLIC HEALTH SERVICE WASHINGTON D C DIV OF HEALTH
MOBILIZATION

ORIENTATION MANUAL ON DISASTER PREPAREDNESS FOR
PHARMACISTS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

AUG 65 33P

CONTRACT: OCU-PS-63-65

PROJ: OCU-2424D

TASK: 2424D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH THE
AMERICAN PHARMACEUTICAL ASSOCIATION'S COMMITTEE ON
DISASTER AND NATIONAL SECURITY, WASHINGTON, D. C.

DESCRIPTORS: (•DISASTERS, MEDICAL PERSONNEL),
(•MEDICAL PERSONNEL, DISASTERS), (•CIVIL DEFENSE
PERSONNEL, MEDICAL PERSONNEL), PHARMACOLOGY,
PROFESSIONAL PERSONNEL, CIVIL DEFENSE SYSTEMS,
CASUALTIES, SHELTERS, MEDICAL SUPPLIES, DRUGS,
STORAGE, DISTRIBUTION, COMMUNICABLE DISEASES,
PUBLIC HEALTH, MEDICAL LABORATORIES, X RAYS,
NUCLEAR WARFARE CASUALTIES, UNITED STATES
GOVERNMENT

(U)

THE MANUAL IS BASED ON "THE ROLE OF THE
PHARMACIST IN NATIONAL DISASTER", PREPARED BY
THE AMERICAN PHARMACEUTICAL ASSOCIATION'S
COMMITTEE ON DISASTER AND NATIONAL SECURITY
IN COOPERATION WITH THE DIVISION OF HEALTH
MOBILIZATION, PUBLIC HEALTH SERVICE,
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE.
IT FURTHER SERVES AS A GUIDE FOR THE PHARMACIST IN
HIS AREA OF RESPONSIBILITY FOR DISASTER PREPAREDNESS.
THIS INCLUDES AN EXPLANATION OF EXISTING
GOVERNMENTAL AND NON-GOVERNMENTAL PROGRAMS CONCERNING
DISASTER PREPAREDNESS SERVICES AND OFFERS DIRECTION
FOR MOTIVATING PHARMACISTS TOWARDS COMMUNITY
PREPAREDNESS. APPROPRIATE REFERENCE SOURCES ARE
LISTED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-622 096

HUDSON INST INC HARMON-ON-HUDSON N Y

A NEW LOOK AT THE DESIGN OF LOW-BUDGET CIVIL DEFENSE
SYSTEMS. (U)

DESCRIPTIVE NOTE: RESEARCH REPT.,

AUG 65 42P BROWN, WILLIAM M. I

REPT. NO. HI-478-RR

TASK: 42118

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, URBAN AREAS),
DESIGN, VULNERABILITY, SHELTERS, NUCLEAR WARFARE,
NUCLEAR WARFARE CASUALTIES, WARNING SYSTEMS,
RADIOACTIVE FALLOUT, POPULATION, SURVIVAL,
DETERRENCE, COUNTERMEASURES, BUDGETS, COSTS,
EFFECTIVENESS (U)

THE FEASIBILITY OF DESIGNING HIGHLY EFFECTIVE LOW-
COST CIVIL DEFENSE SYSTEMS IS EXAMINED IN
RELATIONSHIP TO VARIOUS WAR OUTBREAK SCENARIO AND
THE UTILITY OF THE ASSOCIATED PREATTACK WARNING
PERIOD. IT IS ARGUED THAT WITH MODERATE CONFIDENCE
SUCH HIGHLY EFFECTIVE SYSTEMS CAN BE DESIGNED.
THEY WOULD DEPEND UPON A GENERAL MOBILIZATION OF
CIVILIAN RESOURCES DURING AN EMERGENCY TO GREATLY
EXPAND AND IMPROVE ANY EXISTING C. D. CAPABILITY.
IDEALLY SUCH DESIGNS CAN VISUALIZE ATTAINING THE
GOAL OF ZERO CASUALTIES; HOWEVER, A DYNAMIC PLAN
WOULD CONTAIN SEVERAL OPTIONS TO HANDLE THE MANY
IMPERFECTIONS WHICH WOULD ALMOST CERTAINLY APPEAR
DURING IMPLEMENTATION. THE ESSENTIAL ELEMENTS OF
THE C. D. DESIGNS ARE EXAMINED SEPARATELY FOR
TECHNICAL, POLITICAL, ADMINISTRATIVE, AND STRATEGIC
FEASIBILITY. IT IS CONCLUDED THAT THIS APPROACH
OFFERS SUBSTANTIAL PROMISE FOR FUTURE C. D.
DEVELOPMENTS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-622 099

PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THE 1964 CIVIL DEFENSE POSTURES: PUBLIC RESPONSE,

(U)

AUG 65 97P ANDERSON, MARTHA WILLIS I
CONTRACT: UCU 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, PUBLIC
OPINION); COLD WAR, SHELTERS, BUDGETS, FEDERAL
BUDGETS, URBAN AREAS, SURVIVAL, ATTITUDES,
PROBABILITY, CORRELATION TECHNIQUES, TABLES

(U)

THE PAPER PRESENTS AN INVESTIGATION INTO PERCEPTIONS OF DESIRABILITY AND PROBABILITY OF CERTAIN ALTERNATIVE CIVIL DEFENSE PROGRAMS. IT IS ONE OF A SERIES OF PAPERS BASED ON DATA FROM A UNIVERSITY OF PITTSBURGH NATIONAL STUDY ENTITLED CIVIL DEFENSE AND COLD WAR ATTITUDES, CONDUCTED DURING MID-1964 WITH A PROBABILITY SAMPLE OF 1464 AMERICANS. THE FOCUS OF THE PAPER IS THE LIST OF SIX POSSIBLE CIVIL DEFENSE PROGRAMS, CALLED POSTURES, PRESENTED IN THE QUESTIONNAIRE. DESIRABILITY AND PROBABILITY EVALUATIONS WERE RUN AGAINST OTHER RELEVANT CIVIL DEFENSE, COLD WAR AND PERSONAL CHARACTERISTIC VARIABLES IN ORDER TO ATTEMPT TO DETERMINE THE EXTENT AND CHARACTER OF SUPPORT FOR THESE DIFFERING TYPES OF PROGRAMS. THE VAST MAJORITY OF THE RESPONDENTS FOUND ALL SIX POSTURES TO BE DESIRABLE AND PROBABLE. BETWEEN 64.98 AND 74.18 ASSESSED EACH POSTURE AS HIGHLY DESIRABLE AND 42.38 CONSISTENTLY RATED EVERY POSTURE AS HIGHLY DESIRABLE. ALTHOUGH THE POSTURES DIFFERED IN THE TYPE OF PROGRAM SUGGESTED, THE EVALUATIONS GIVEN TO THEM WERE VERY MUCH THE SAME. FURTHER, FEW OF THE VARIABLES AGAINST WHICH THESE EVALUATIONS WERE RUN YIELDED ANY EXPLANATION OF THE CAUSES OF SUPPORT. IT WAS CONCLUDED THAT THESE CONSISTENTLY HIGH EVALUATIONS REFLECTED A FAITH IN THE GOVERNMENT AND IN ANY PROGRAM THAT IT MIGHT ENDORSE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-622 714

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

MULTIDIMENSIONAL SCALING ANALYSIS AND ITS
APPLICATIONS FOR THE CIVIL DEFENSE ORGANIZATION, (U)

SEP 65 54P FISCHL, M. A. SIEGEL, ARTHUR I.

;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE PERSONNEL,
PSYCHOMETRICS), CIVIL DEFENSE SYSTEMS, JOB
ANALYSIS, PERFORMANCE (HUMAN), TRAINING,
SUPERVISORY PERSONNEL, SELECTION, PERSONNEL
MANAGEMENT, APPLIED PSYCHOLOGY (U)

THE REPORT DESCRIBES THE PRINCIPLES AND PROCEDURES
ASSOCIATED WITH MULTIDIMENSIONAL SCALING ANALYSIS,
AND RELATES MULTIDIMENSIONAL SCALING ANALYSIS TO THE
CONCEPT OF A PERSONNEL SUBSYSTEM WITHIN THE CIVIL
DEFENSE ORGANIZATION. FOUR AREAS OF APPLICATION
OF THE TECHNIQUE ARE PRESENTED; THE AUTHORS CONCLUDE
THAT THE TECHNIQUE IS OF BROAD RELEVANCE TO SYSTEM
PLANNING AND IS FEASIBLE FOR APPLICATION TO THE
CIVIL DEFENSE PERSONNEL SYBSYSTEM. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-624 817

SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

DEVELOPMENT OF OVERALL TRAINING PROGRAMS FOR CIVIL
DEFENSE.

(U)

DESCRIPTIVE NOTE: FINAL REPT. FOR 5 NOV 63-30 AUG 65.

AUG 65 250P

REPT. NO. TM(L)-2600/000/01

PROJ: 4431C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE PERSONNEL, TRAINING),
CIVIL DEFENSE SYSTEMS, PERSONNEL MANAGEMENT,
SELECTION, JOB ANALYSIS, SUPERVISORY PERSONNEL.
LEARNING, COSTS

(U)

A COMPREHENSIVE EXAMINATION OF CIVIL DEFENSE
TRAINING IS MADE. AFTER DEFINITION OF CIVIL
DEFENSE OBJECTIVES, A TRAINING PROGRAM ANALYSIS IS
MADE WHICH ESTABLISHED SPECIFIC TRAINING REQUIREMENTS
AND DESCRIBES VARIOUS TRAINING PROGRAM ELEMENTS.
FROM A PERSPECTIVE INCLUDING THESE INPUTS, THE
CURRENT CIVIL DEFENSE TRAINING PROGRAM IS ANALYZED.
THREE ALTERNATIVE TRAINING PROGRAMS GEARED TO
DIFFERENT FUNDING LEVELS AND A 'PREPARATION FOR
CRISIS' PROGRAM ARE PROPOSED AND EXAMINED.
EVALUATION PLANS FOR THESE ALTERNATIVE PROGRAMS ARE
PRESENTED WITH DISCUSSION OF COST EFFECTIVENESS. A
THEORY OF INSTRUCTION FOR USE IN CIVIL DEFENSE
TRAINING IS PRESENTED. FINALLY, SUGGESTIONS FOR
FURTHER RESEARCH ARE MADE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-623 918 5/9 15/3
IOWA AGRICULTURAL AND HOME ECONOMICS EXPERIMENT STATION
AMES

COMMUNITY POWER ACTORS AND CIVIL DEFENSE. A
DELINEATION OF COMMUNITY POWER ACTORS AND AN ANALYSIS
OF THEIR CIVIL DEFENSE ATTITUDES, KNOWLEDGE,
BEHAVIOR, AND SOURCES OF INFORMATION. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
65 183P BOHLEN, JOE M. ; BEAL, GEORGE
M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;
REPT. NO. RURAL SOCIOLOGY-40

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE PERSONNEL, LEADERSHIP),
(*SOCIOLOGY, CIVIL DEFENSE SYSTEMS), ATTITUDES,
BEHAVIOR, DECISION MAKING, POWER, URBAN AREAS,
RURAL AREAS, POPULATION, PUBLIC OPINION, FALLOUT
SHELTERS, STATISTICAL ANALYSIS, TABLES, IOWA (U)

A SOCIAL POWER MODEL IS DEFINED WHICH MAY BE USED
BY THE LOCAL CIVIL DEFENSE DIRECTOR FOR ANALYZING
SOCIAL POWER IN HIS COMMUNITY. THE COMMUNITY
MEMBERS WHO HAVE SOCIAL POWER AND AFFECT THE
COMMUNITY DECISIONMAKING PROCESS ARE DESIGNATED AS
POWER ACTORS. THE POWER ACTORS IN FIVE IOWA
COMMUNITIES WERE INTERVIEWED. THEY WERE FOUND TO
HAVE SIMILAR PERSONAL AND SOCIAL CHARACTERISTICS.
THE POWER ACTORS WERE PERCEIVED TO HAVE SOCIAL
POWER IF THE COMMUNITY WAS TO BUILD A COMMUNITY
FALLOUT SHELTER IN THE NEAR FUTURE. THE POWER
ACTORS' CIVIL DEFENSE ATTITUDES, KNOWLEDGE, SOURCES
OF INFORMATION, AND ACTIONS WERE ANALYZED. THE
POWER ACTORS (1) HAD A LOW PERCEPTION OF THREAT,
(2) PERCEIVED THAT HE SHOULD HAVE CIVIL DEFENSE
PROGRAMS WHICH (A) LICENSES, MARKS, AND STOCKS
EXISTING BUILDINGS, (B) ENCOURAGES THE
CONSTRUCTION OF INDIVIDUAL FAMILY SHELTERS, (C)
MAKES AVAILABLE FINANCIAL ASSISTANCE FOR THE
CONSTRUCTION OF PUBLIC SHELTER SPACES IN NEW PUBLIC
BUILDINGS, AND (D) ENCOURAGES COMMUNITIES OR
LOCAL GOVERNMENTAL UNITS TO CONSTRUCT THEIR OWN
LOCALLY FINANCED COMMUNITY SHELTERS. (AUTHOR) (U)

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-623 943 5/9 15/3
IOWA AGRICULTURAL AND HOME ECONOMICS EXPERIMENT STATION
AMES

COMMUNITY POWER ACTORS AND CIVIL DEFENSE. A
DELINEATION OF COMMUNITY POWER ACTORS AND AN ANALYSIS
OF THEIR CIVIL DEFENSE ATTITUDES, KNOWLEDGE,
BEHAVIOR, AND SOURCES OF INFORMATION. (U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,
65 24P BOHLEN, JOE M. BEAL, GEORGE
M. KLONGLAN, GERALD E. TAIT, JOHN L. I
REPT. NO. RURAL SOCIOLOGY-405

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-623 918 FOR COMPLETE
FINAL REPORT.

DESCRIPTORS: (*CIVIL DEFENSE PERSONNEL, LEADERSHIP),
(*SOCIOLOGY, CIVIL DEFENSE SYSTEMS), ATTITUDES,
BEHAVIOR, DECISION MAKING, POWER, URBAN AREAS,
RURAL AREAS, POPULATION, PUBLIC OPINION, FALLOUT
SHELTERS, STATISTICAL ANALYSIS, TABLES: IOWA (U)

COMMUNITY POWER ACTORS AND CIVIL DEFENSE. A
DELINEATION OF COMMUNITY POWER ACTORS AND AN ANALYSIS OF
THEIR CIVIL DEFENSE ATTITUDES, KNOWLEDGE, BEHAVIOR, AND
SOURCES OF INFORMATION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-624 161 5/11 15/3
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

ATTITUDES TOWARD CIVIL DEFENSE: AN EXAMINATION OF
THE ATTRIBUTION OF MAXIMUM APPROVAL, (U)

OCT 65 82P SELDIN, J. ELLIOT I
CONTRACT: OCD-OS-63-48
TASK: 4612B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, PUBLIC
OPINION), (•PUBLIC OPINION, CIVIL DEFENSE
SYSTEMS), ATTITUDES, LEADERSHIP, COLD WAR,
FALLOUT SHELTERS, SOCIOLOGY, UNITED STATES,
SAMPLING, STATISTICAL DATA, POPULATION,
TABLES (U)

THE OBJECTIVE OF THE PAPER IS TO EXAMINE THE
ATTITUDES TOWARD CIVIL DEFENSE THAT THE
AMERICAN PUBLIC ATTRIBUTES TO VARIOUS GROUPS AND
INDIVIDUALS. WE FIND THAT A SAMPLE OF THE
AMERICAN PUBLIC BELIEVES THAT ALL THE GROUPS AND
INDIVIDUALS WE ASK ABOUT IN OUR STUDY FEEL FAVORABLY
TOWARD CIVIL DEFENSE. HOWEVER, SOME GROUPS ARE
MUCH MORE FREQUENTLY CITED AS FAVORING CIVIL
DEFENSE THAN OTHERS. THE RESPONDENTS' PERSONAL
FEELINGS TOWARD CIVIL DEFENSE ARE ALSO HIGH
FAVORABLE. THUS, ALTHOUGH THERE IS VARIATION IN
ATTRIBUTION PATTERNS DEPENDENT UPON THE GROUP TO
WHICH THE ATTRIBUTIONS ARE MADE AND THERE EXIST
DIFFERENCES IN THE PERSONAL FEELINGS OF RESPONDENTS,
MOST PEOPLE SUPPORT CIVIL DEFENSE AND MOST PEOPLE
BELIEVE THAT A WIDE RANGE OF GROUPS AND INDIVIDUALS
SUPPORT CIVIL DEFENSE. GIVEN THESE GENERAL
RESULTS, WE FIND THAT ATTRIBUTION PATTERNS ALSO VARY
ACCORDING TO THE POPULATION CHARACTERISTICS OF
RESPONDENTS (E.G., AGE, SEX, INCOME, ETC.) AND
THE PERSONAL ATTITUDES OF RESPONDENTS (THE MORE
FAVORABLE ONE IS TOWARD CIVIL DEFENSE, THE MORE
LIKELY HE IS TO BELIEVE OTHERS TO BE FAVORABLE).
FINALLY, THE INFLUENCE OF PERSONAL FAVORABILITY UPON
ATTRIBUTIONS IS MEDIATED BY POPULATION
CHARACTERISTICS. HOLDING FAVORABILITY CONSTANT,
ATTRIBUTION PATTERNS VARY ACCORDING TO THE PARTICULAR
POPULATION CHARACTERISTICS OF RESPONDENTS.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-624 702 15/3 14/1 12/2 18/3
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND
ECONOMICS DIV

A SENSITIVITY ANALYSIS OF SELECTED PARAMETERS BASED
ON 8 SMSA'S. (U)

DESCRIPTIVE NOTE: FINAL REPT., VOL. 2,
OCT 65 74P SINK, H. RODNEY ;
REPT. NO. R-GU-157
PROJ: RTI-OU-157
TASK: 4113E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, RADIOACTIVE
FALLOUT), (•FALLOUT SHELTERS, CIVIL DEFENSE
SYSTEMS), (•OPERATIONS RESEARCH, CIVIL DEFENSE
SYSTEMS), MATHEMATICAL MODELS,
PROGRAMMING (COMPUTERS), FEDERAL BUDGETS,
RADIOLOGICAL DOSAGE, NUCLEAR WARFARE, COST
EFFECTIVENESS, STATISTICAL ANALYSIS (U)

IN ORDER TO PERFORM A SENSITIVITY ANALYSIS OF
SELECTED PARAMETERS OF INTEREST IN CIVIL DEFENSE
SYSTEMS ANALYSIS, PROBABLE CASUALTIES ARE ESTIMATED
FOR 8 SMSA'S OVER A RANGE OF FALLOUT ENVIRONMENTS
AND SHELTER UTILIZATION PATTERNS. THE SELECTED
PARAMETERS ARE: SMSA POPULATION, POPULATION
DENSITY, AND RATIO OF SHELTER SPACES TO POPULATION;
FALLOUT ARRIVAL TIME AND REFERENCE INTENSITY; AND
RESTRICTIONS ON MOVEMENT OF PEOPLE TO SHELTER,
LEADING TO VARYING PATTERNS OF SHELTER UTILIZATION.
THE SMSA'S ARE SELECTED BY JUDGMENT SAMPLING
AND RANGE IN POPULATION FROM 74,000 TO 408,000.
THE FALLOUT ENVIRONMENTS USED RANGE FROM A
REFERENCE INTENSITY OF 600 R/HR AND 7 HOURS TIME OF
ARRIVAL TO A REFERENCE INTENSITY OF 30,000 R/HR AND 1
HOUR TIME OF ARRIVAL. THE MOVEMENT-TO-SHELTER
RESTRICTIONS ARE: (1) MOVEMENT RESTRICTED TO THE
STANDARD LOCATION (SL) OF RESIDENCE, (2)
MOVEMENT RESTRICTED TO WITHIN TWO MILES OF THE SL
OF RESIDENCE, AND (3) UNRESTRICTED MOVEMENT TO
SHELTER ANYWHERE WITHIN THE SMSA. ALSO, (4)
THE TRANSPORTATION ALGORITHM IS USED TO DETERMINE THE
OPTIMAL (MINIMUM CASUALTY) ALLOCATION OF PEOPLE
TO SHELTER FOR EACH TIME OF ARRIVAL AND REFERENCE
INTENSITY COMBINATION. THIS ALLOCATION SERVES AS A
BENCHMARK OF IDEALITY AGAINST WHICH TO MEASURE OTHER
PATTERNS OF SHELTER UTILIZATION. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-624 706 15/3
STANFORD RESEARCH INST MENLO PARK CALIF

CIVIL DEFENSE IN GERMANY,

(U)

OCT 65 54P MCGEE, ARTHUR A. I
CONTRACT: OCD-OS-63-184
PROJ: SR1-MU-4559
TASK: 2621A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•WEST GERMANY, CIVIL DEFENSE
SYSTEMS), (•CIVIL DEFENSE SYSTEMS, WEST
GERMANY), LAW, GOVERNMENT(FOREIGN), WARNING
SYSTEMS, MONITORS, FALLOUT SHELTERS, CIVIL
DEFENSE PERSONNEL, EVACUATION, POPULATION,
POLICE, HOSPITALS, INDUSTRIAL PRODUCTION, FOOD,
TRANSPORTATION, WATER SUPPLIES

(U)

THE REPORT CONTAINS THE RESULTS OF THE STUDY OF
CIVIL DEFENSE PLANNING AND PREPARATION IN THE
FEDERAL REPUBLIC OF GERMANY. THE STUDIES ARE
PRIMARILY ORIENTED TOWARD DEFINING OPERATIONAL
ORGANIZATION, ALTHOUGH POLICY, PLANNING, AND TRAINING
ORGANIZATIONS THAT HAVE HAD A STRONG IMPACT IN
PROMOTING THE GROWTH OF CIVIL DEFENSE PREPAREDNESS
WERE ALSO INVESTIGATED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-624 870 15/3
DUNLAP AND ASSOCIATES INC DARIEN CONN

TRAINING REQUIREMENTS FOR POSTATTACK ADAPTIVE
BEHAVIOR. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
DEC 65 114P TEAL, GILBERT E. ; FABRIZIO,
RALPH A. ; BARNES, STANLEY M. ; MOELLER, WILLIAM
A. ;
REPT. NO. SSD-65-245 (546)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TRAINING),
NUCLEAR WARFARE, SURVIVAL, FALLOUT SHELTERS,
BEHAVIOR, POPULATION, EDUCATION, COMMUNICATION
SYSTEMS, DISASTERS, MOTIVATION, LEARNING,
LEADERSHIP, MANAGEMENT PLANNING (U)

THE STUDY IS AIMED AT (1) IDENTIFYING ACTIONS
REQUIRED OF AND BENEFICIAL TO INDIVIDUALS IN A POST-
ATTACK ENVIRONMENT AND (2) DEVELOPING GUIDELINES
CONCERNING CONTENT AND METHODS OF TRAINING WHICH
WOULD GENERATE ADAPTIVE BEHAVIOR. METHODS OF STUDY
WERE LIMITED TO LITERATURE REVIEW AND SCIENTIFIC
ARGUMENT. TWO MAJOR TRAINING OBJECTIVES ARE
SPECIFIED: TRAINING TO MEET THE REQUIREMENTS OF
INDIVIDUAL SURVIVAL; AND OF SOCIETAL RECOVERY. IT
IS RECOMMENDED THAT TRAINING MATERIALS BE STOCKED IN
PUBLIC SHELTERS TO SUPPORT THESE OBJECTIVES. POST-
ATTACK SITUATIONS WILL REQUIRE THAT SUCH MATERIALS BE
READILY AVAILABLE AND USED IN CONJUNCTION WITH ON-
THE-SPOT TRAINING, AND THE CREATION AND COMMUNICATION
OF SPECIFIC RECOVERY PLANS FOR LOCAL COMMUNITIES.
IT IS ALSO RECOMMENDED THAT CERTAIN INFORMATION
BASIC TO EDUCATION OF THE PUBLIC IN EMERGENCY
MEASURES BE PREPARED FOR TIMELY USE IN MASS
COMMUNICATION MEDIA AT SUCH TIMES AS CRISES OR
DISASTERS PROVIDE THE ESSENTIAL MOTIVATION TO LEARN.
IT IS SUGGESTED THAT TRAINING IS THE RESPONSIBILITY
MAINLY OF LOCAL COMMUNITY POLITICAL AUTHORITY; THE
EFFECTIVENESS OF TRAINING WILL DEPEND HEAVILY UPON
THE DEGREE TO WHICH SUCH LEADERSHIP HAS THE KNOWLEDGE
AND RESOURCES NECESSARY TO CONDUCT THIS FUNCTION.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-624 929 15/3
STANFORD RESEARCH INST MENLO PARK CALIF

SWISS CIVIL DEFENSE.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
NOV 65 SOP MCGEE, ARTHUR A. ;
CONTRACT: OCU-OS-63-184
PROJ: SRI-4559

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, SWITZERLAND),
COMMAND + CONTROL SYSTEMS, LAW, MANAGEMENT
PLANNING, GOVERNMENT(FOREIGN), CIVIL DEFENSE
PERSONNEL, TRAINING, MANPOWER STUDIES, ARMED
FORCES(FOREIGN), SHELTERS

(U)

THE REPORT CONTAINS THE RESULTS OF THE STUDY OF
CIVIL DEFENSE PLANNING AND PREPARATION IN THE SWISS
FEDERATION. THE STUDY IS PRIMARILY ORIENTED
TOWARD DEFINING OPERATIONAL ORGANIZATION, ALTHOUGH
POLICY, PLANNING, AND TRAINING ORGANIZATIONS THAT
HAVE HAD A STRONG IMPACT IN PROMOTING THE GROWTH OF
CIVIL DEFENSE PREPAREDNESS WERE ALSO INVESTIGATED.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-625 172 15/3 13/2
PLANNING RESEARCH CORP LOS ANGELES CALIF

THE ECONOMIC FEASIBILITY OF DECENTRALIZED
METROPOLITAN REGIONS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
OCT 65 296P WOLTMAN, R. R. ; WOODFILL,
BARBARA ; BLUNT, KEITH ; DEIROSSI, JAMES ;
REPT. NO. PRC-D-796
CONTRACT: OCD-OS-62-278

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-426 925.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, URBAN AREAS),
(•URBAN PLANNING, ECONOMICS), FEASIBILITY STUDIES,
COSTS, POPULATION, DISTRIBUTION, DENSITY,
HOUSING PROJECTS, TRANSPORTATION, PASSIVE
DEFENSE

(U)

THE PRECEDING PHASE OF THIS STUDY EXAMINED THE ROLE OF URBAN FORM AS A PASSIVE DEFENSE VARIABLE AND ESTABLISHED CRITERIA OF SPATIAL ARRANGEMENT AND DENSITY, WHICH WERE DESIGNED TO REDUCE METROPOLITAN VULNERABILITY TO NUCLEAR WEAPONS. THE RESULTING CONFIGURATION CONSISTS OF COMPACT, DISCRETE COMMUNITY UNITS HAVING POPULATIONS OF 100,000, SEPARATED FROM ONE ANOTHER BY 4 TO 7 MILES OF OPEN SPACE, AND GROUPED AROUND A CENTRAL OR CORE UNIT. SERVICES AND FACILITIES THAT ARE OBTAINABLE IN A METROPOLITAN AREA OF SEVERAL MILLION ARE MADE AVAILABLE IN THIS CONFIGURATION BY HIGH INTRACOMMUNITY MOBILITY. THE STUDY CONFIGURATION IS TAKEN TO BE THIS 'ORDERED SPRAWL' URBAN PATTERN. THE ECONOMIC FEASIBILITY OF THIS FORM OF REGIONAL CITY IS ASSESSED. THE FOCUS IS NECESSARILY ON COSTS, WHICH ARE TO SOME DEGREE MEASURABLE, AND ALTHOUGH COST DATA DIRECTLY PERTINENT TO THE IDEALIZATION DO NOT EXIST, IT IS POSSIBLE TO PROCEED INFERENTIALLY BY ANALYZING INFORMATION DERIVED FROM EXISTANT METROPOLITAN AREAS. THE PRIMARY APPROACH IS THE SPECIFICATION OF A 'REFERENCE REGION' THAT INCORPORATES STRUCTURAL AND LINKAGE CHARACTERISTICS REPRESENTATIVE OF EXISTING URBAN AREAS, AND THE DIVISION OF THIS REGION INTO COMPONENTS THAT APPROXIMATE COMMUNITY UNITS OF THE STUDY CONFIGURATION.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZHML7

AD-631 613 5/10 15/3
MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION
ARTS

THE EFFECTS OF LOW CREDIBLE SOURCES ON MESSAGE
ACCEPTANCE: FOUR EXPERIMENTAL STUDIES IN
PERSUASION.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAR 66 37P GREENBERG, BRADLEY S. ;
MILLER, GERALD R. ;
REPT. NO. BG-1,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*SOCIAL PSYCHOLOGY, *CIVIL DEFENSE
SYSTEMS), INFORMATION THEORY, SOURCES, ATTITUDES,
PUBLIC OPINION, REACTION(PSYCHOLOGY), FALLOUT
SHELTERS

(U)

THIS SERIES OF STUDIES PROVIDES EVIDENCE IN SUPPORT
OF THE FOLLOWING PROPOSITIONS: (1) IF A MESSAGE
IS TO BE TRANSMITTED TO AN AUDIENCE WHICH PERCEIVES
THE MESSAGE SOURCE AS RELATIVELY LOW IN CREDIBILITY,
THE MESSAGE WILL BE MORE EFFECTIVE IF THE
IDENTIFICATION OF THE SOURCE IS DELAYED UNTIL AFTER
EXPOSURE TO THE MESSAGE; (2) WHERE THE SOURCE OF
A MESSAGE IS LIKELY TO BE PERCEIVED AS RELATIVELY LOW
IN CREDIBILITY, THE MESSAGE WILL BE MORE EFFECTIVE
WITHOUT ANY IDENTIFIED SOURCE THAN WITH THE LOW
CREDIBLE SOURCE; (3) A MESSAGE WILL GENERALLY BE
EFFECTIVE IN THE INTENDED MANNER, EVEN WITH A SOURCE
PERCEIVED AS LOW CREDIBLE, IN COMPARISON WITH NO
MESSAGE AT ALL; (4) WHEN THE SOURCE OF THE
MESSAGE IS PERCEIVED BY SOME AUDIENCE AS HIGH IN
CREDIBILITY, THE MESSAGE WILL BE MORE EFFECTIVE IF
THE SOURCE IS IDENTIFIED BEFORE INDIVIDUALS ARE
EXPOSED TO THE MESSAGE. THESE FINDINGS ARE
CONFIRMED IN STUDIES DEALING WITH BOTH CIVIL DEFENSE
TOPICS UNRELATED TO CIVIL DEFENSE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 756 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE. OCD-DEF REGION 1.

(U)

62 454P
REPT. NO. FG-D-3.1/1.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY REPT. NO. FG-IV-3.1/1.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
CONNECTICUT, MAINE, MASSACHUSETTS, NEW
HAMPSHIRE, NEW JERSEY, NEW YORK, PUERTO
RICO, RHODE ISLAND, VERMONT, VIRGIN
ISLANDS

(U)

THE MANUAL ON THE NEW NATIONAL LOCATION CODE
IS PUBLISHED FOR THE USE OF FEDERAL, STATE AND
LOCAL CIVIL DEFENSE AND EMERGENCY PLANNING OFFICIALS
WITH DAMAGE ASSESSMENT, RESOURCE EVALUATION OR
SHELTER PLANNING RESPONSIBILITIES. THE MANUAL IS
DESIGNED TO SERVE USERS IN TWO WAYS. FIRST, IT CAN
BE USED AS A CONVENIENT SOURCE FOR THE GEOGRAPHIC
COORDINATES OF NEW RESOURCES TO BE INCLUDED IN HAND
OR COMPUTER DAMAGE ASSESSMENT SYSTEMS. SECOND, IT
PROVIDES, IN A CONVENIENT FORM, THE INFORMATION ON
DISTRIBUTION OF POPULATION THAT IS REQUIRED TO
PREPARE REGION, STATE AND LOCAL ESTIMATES OF
CASUALTIES RESULTING FROM ACTUAL OR ASSUMED ENEMY
ATTACK.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-631 757 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE. OCD-OEP REGION 2. (U)

62 462P
REPT. NO. FG-D-3.1/2,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY REPT. NO. FG-IV-3.1/2.
SEE ALSO AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
DELAWARE, DISTRICT OF COLUMBIA, KENTUCKY,
MARYLAND, OHIO, PENNSYLVANIA, VIRGINIA, WEST
VIRGINIA (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 2:
DELAWARE, DISTRICT OF COLUMBIA, KENTUCKY, MARYLAND,
OHIO, PENNSYLVANIA, VIRGINIA, WEST VIRGINIA.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 758 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE. OCD-OEP REGION 3. (U)

62 411P
REPT. NO. FG-D-3.1/3.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN STUDIES,
ALABAMA, FLORIDA, GEORGIA, MISSISSIPPI, NORTH
CAROLINA, PANAMA, SOUTH CAROLINA, TENNESSEE (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 2:
ALABAMA, CANAL ZONE, FLORIDA, GEORGIA,
MISSISSIPPI, NORTH CAROLINA, SOUTH CAROLINA,
TENNESSEE.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 759 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 4. (U)

62 442P
REPT. NO. FG-D-3.1/4,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY REPT. NO. FG-1V-3.1/4.
SEE ALSO AD-631 756.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
ILLINOIS, INDIANA, MICHIGAN, MINNESOTA,
WISCONSIN (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 4:
ILLINOIS, INDIANA, MICHIGAN, MINNESOTA, WISCONSIN.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 76U 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 5. (U)

62 376P
REPT. NO. FG-D-3.1/5,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/5. SEE ALSO
AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
ARKANSAS, LOUISIANA, NEW MEXICO, OKLAHOMA,
TEXAS (U)

THIS MANUAL ON THE NEW NATIONAL LOCATION CODE
IS PUBLISHED FOR THE USE OF FEDERAL, STATE AND
LOCAL CIVIL DEFENSE AND EMERGENCY PLANNING OFFICIALS
WITH DAMAGE ASSESSMENT, RESOURCE EVALUATION OR
SHELTER PLANNING RESPONSIBILITIES. THE MANUAL IS
DESIGNED TO SERVE USERS IN TWO WAYS. FIRST, IT CAN
BE USED AS A CONVENIENT SOURCE FOR THE GEOGRAPHIC
COORDINATES OF NEW RESOURCES TO BE INCLUDED IN HAND
OR COMPUTER DAMAGE ASSESSMENT SYSTEMS. SECOND, IT
PROVIDES, IN A CONVENIENT FORM, THE INFORMATION ON
DISTRIBUTION OF POPULATION THAT IS REQUIRED TO
PREPARE REGION, STATE AND LOCAL ESTIMATES OF
CASUALTIES RESULTING FROM ACTUAL OR ASSUMED ENEMY
ATTACK. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 761 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 6. (U)

62 414P
REPT. NO. FG-D-3.1/6,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/6. SEE ALSO
AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
COLORADO, IOWA, KANSAS, MISSOURI, NEBRASKA,
NORTH DAKOTA, SOUTH DAKOTA, WYOMING (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 6:
COLORADO, IOWA, KANSAS, MISSOURI, NEBRASKA, NORTH
DAKOTA, SOUTH DAKOTA, WYOMING.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 762 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 7.

(U)

62 233P
REPT. NO. FG-D-3.1/7.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/7. SEE ALSO
AD-631 756.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
ARIZONA, CALIFORNIA, HAWAII, NEVADA, UTAH,
PACIFIC OCEAN ISLANDS

(U)

NATIONAL LOCATION CODE, OCD-OEP REGION 7: ARIZONA,
AMERICAN SAMOA, CALIFORNIA, GUAM, HAWAII,
NEVADA, UTAH.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 763 15/3 8/6
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 8. (U)

62 188P
REPT. NO. FG-D-3.1/8,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/8. SEE ALSO
AD-631 756.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, GEOGRAPHY),
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,
ALASKA, IDAHO, MONTANA, OREGON,
WASHINGTON(STATE: (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 8; ALASKA,
IDAHO, MONTANA, OREGON, WASHINGTON.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-632 595 6/21 15/4 15/6
DEPARTMENT OF HEALTH EDUCATION AND WELFARE WASHINGTON D
C

REVIEW OF COMBINED TRAUMA: RESEARCH, CLINICAL
MANAGEMENT AND PLANNING, (U)

JAN 66 174P WILLIAMS, DEAN W. ; DUGGAR,
BENJAMIN C. ; BURGER, EDWARD J. ; CHAMBERLIN,
HARRY S. ;
CONTRACT: OGD-OS-63-141, PH-86-64-134

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NUCLEAR WARFARE CASUALTIES, •RADIATION
INJURIES), CIVIL DEFENSE SYSTEMS, NUCLEAR WEAPONS,
BURNS, RADIATION SICKNESS, RADIOACTIVE FALLOUT,
BLAST, WOUNDS + INJURIES, INFECTIONS,
ANTIBIOTICS, IMMUNITY, MEDICINE, THERAPY,
SHOCK (PATHOLOGY), ARTIFICIAL RESPIRATION,
ELECTROLYTES (PHYSIOLOGY), RADIOLOGICAL DOSAGE,
DISASTERS, SURVIVAL, MEDICAL PERSONNEL,
MANAGEMENT PLANNING, BIBLIOGRAPHIES (U)

THE REVIEW COVERS THE TOPIC OF COMBINED TRAUMA--
RADIATION INJURY PLUS BURNS, PHYSICAL INJURY, AND/OR
INFECTION. SINCE THIS CLASS OF CASUALTY IS ALMOST
EXCLUSIVELY THE PRODUCT OF NUCLEAR WEAPONS EFFECTS,
THE EMPHASIS OF THE REVIEW IS ON PRINCIPLES OF
CLINICAL MANAGEMENT. MAJOR SECTIONS OF THE REVIEW
ARE: (1) A CASUALTY MODEL, GENERATED TO ASSESS
THE SIGNIFICANCE OF COMBINED TRAUMA RELATIVE TO OTHER
FORMS OF INJURY. (2) A REVIEW OF CLINICAL
MANAGEMENT PRINCIPLES FOR CARE OF COMBINED TRAUMA
PATIENTS. (3) CLINICAL GUIDES TO THE CARE OF
RADIATION, BURN, AND INFECTION CASUALTIES. (4) A
REVIEW OF THE RECENT COMBINED TRAUMA RESEARCH, AND
(5) A SUMMARY OF PLANNING MEASURES DESIGNED TO
ASSIST IN PREPAREDNESS FOR DISASTER MEDICAL CARE.
AN EXTENSIVE BIBLIOGRAPHY IS ALSO INCLUDED.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-632 865 6/5 15/3 13/2 15/1
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND
ECONOMICS DIV

ENVIRONMENTAL HEALTH PLANNING FOR POSTATTACK
CONDITIONS: SOME PROBLEMS, PROGRAMS, AND
PRIORITIES.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
APR 66 BOP SALMON, RAPHAEL J. ;
REPT. NO. R-OU-197,
CONTRACT: PH-86-65-16

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•MANAGEMENT PLANNING, •PUBLIC HEALTH),
(•PUBLIC HEALTH, NUCLEAR WARFARE), CIVIL DEFENSE
SYSTEMS, OPERATIONS RESEARCH, DISEASES, DISEASE
VECTORS, SURVIVAL, FOOD, HOUSING, WATER
SUPPLIES, WASTES(SANITARY ENGINEERING), NUCLEAR
WARFARE CASUALTIES
IDENTIFIERS: POSTATTACK OPERATIONS

(U)

(U)

CONDITIONS IMPOSED BY MASSIVE NUCLEAR ATTACK CAN BE
EXPECTED TO DISRUPT NORMAL ENVIRONMENTAL HEALTH
SERVICES OF COMMUNITIES THROUGHOUT THE UNITED
STATES, AND TO THREATEN THE HEALTH OF SURVIVING
POPULATION. THIS STUDY DEVELOPS A FRAMEWORK TO
HELP DECISION-MAKERS EVALUATE POSTATTACK CONDITIONS
RELATIVE TO ENVIRONMENTAL HEALTH. REVIEW AND
ANALYSIS OF EXISTING INFORMATION ON PROBABLE
POSTATTACK CONDITIONS AS THEY MIGHT AFFECT, AND BE
AFFECTED BY, PERSONNEL OF LOCAL HEALTH DEPARTMENTS,
PUBLIC HEALTH ORGANIZATION, AND RESOURCE MANAGEMENT
PRACTICES IS PRESENTED. ANTICIPATED POSTATTACK
ENVIRONMENTAL HEALTH PROBLEMS ARE IDENTIFIED, AND
PRIORITY JUDGMENTS ARE MADE ON A COMPARATIVE BASIS IN
TERMS OF LEVEL OF GRAVITY. RATIONALE SUPPORTING
THE JUDGMENTS IS INCLUDED, AND BOTH ACTION AND
RESEARCH PROGRAMS TO IMPROVE PREPAREDNESS ARE
RECOMMENDED. IMPORTANT SOURCES OF DATA PRESCRIBED
FOR THIS STUDY WERE THE REPORTS AND WORKING PAPERS OF
AN EARLIER U. S. PUBLIC HEALTH SERVICE
PROJECT. 'ENVIRONMENTAL HEALTH PROBLEMS IN
THE POST SHELTER PERIOD'. IN ADDITION, FOUR
CITY HEALTH DEPARTMENTS WERE VISITED TO ASSIST IN
ANALYSIS OF NORMAL ENVIRONMENTAL HEALTH CONDITIONS
RELATIVE TO THOSE EXPECTED IN A POSTATTACK RECOVERY
PERIOD AND OF THE ABILITY OF A LOCAL HEALTH AGENCY TO
COPE WITH PROJECTED CONDITIONS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-635 150 5/11 15/3
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

IMPACT OF THE CUBAN MISSILE CRISIS. PATTERNS OF
PUBLIC RESPONSE.

(U)

FEB 66 85P MAST, ROBERT H. ;
CONTRACT: OCD-PS-64-61,
TASK: 48-21-C,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*COLD WAR, PUBLIC OPINION), (*CIVIL
DEFENSE SYSTEMS, PUBLIC OPINION), ATTITUDES,
POPULATION, UNITED STATES, CUBA, RESPONSE,
REACTION(PSYCHOLOGY), PERCEPTION(PSYCHOLOGY),
NUCLEAR WARFARE, DECISION MAKING, FALLOUT SHELTERS,
DISARMAMENT ANXIETY, BEHAVIOR, SOCIOLOGY,
STATISTICAL DATA

(U)

THE REPORT EXAMINES THE IMPACT OF A CRITICAL EVENT
ON THE AMERICAN PUBLIC AND ATTEMPTS TO ASSESS THE
SUBSTANCE AND DYNAMIC OF THE PUBLIC'S RESPONSE TO THE
RESULTING CRISIS SITUATION WITH SPECIAL EMPHASIS ON
RESPONSES ASSOCIATED WITH CIVIL DEFENSE MEASURES.
THE EVENT INVOLVED WAS THE CUBAN MISSILE CRISIS OF
1962 WHICH PRODUCED A PERIOD OF SEVERE INTERNATIONAL
TENSION. IN A 1963 SAMPLE, AMERICANS WERE ASKED
IF THEY HAD ENGAGED IN ANY OF SIX CRISIS RELATED
ACTIVITIES DURING THE CUBAN CRISIS. THESE
ACTIVITIES COMPRISED EFFORTS TO RESPOND IN SOME
MEANINGFUL FASHION TO THE THREAT POSED BY THE CRISIS.
PATTERNS OF RESPONSE WERE EXAMINED, BOTH FOR
OVERALL DISTRIBUTIONS AMONG THE SIX ACTIVITIES AND FOR
PAIRED SETS OF ACTIVITIES. INDIVIDUALS IN THE
SAMPLE WERE CLASSIFIED BY THEIR DEGREE OF
PARTICIPATION IN THE VARIOUS ACTIVITIES. THOSE WHO
HAD ENGAGED IN ANY ACTIVITY WERE COMPARED WITH
THOSE WHO HAD NOT, AND THOSE WHO HAD ENGAGED IN EACH
OF THE SIX SEPARATE ACTIVITIES WERE COMPARED WITH EACH
OTHER, THE SUB-TOTALS AND THE FIFTEEN SETS OF PAIRED
ACTIVITIES AS WELL. THESE COMPARISONS WERE MADE
WITH REGARD TO PERSONAL CHARACTERISTICS THAT SERVED
TO LOCATE INDIVIDUALS IN THE OVERALL SOCIAL STRUCTURE
AND ALSO WITH REGARD TO PERSONAL ATTITUDES DEEMED TO
BE OF RELEVANCE FOR CRISIS RESPONSE. DIFFERENCES
IN CRISIS RESPONSE WERE FOUND AND THEY ESTABLISHED
SUMMARY PATTERNS THAT ARE OF THEORETICAL INTEREST.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 167 15/3 5/11
MICHIGAN STATE UNIV EAST LANSING DEPT OF
COMMUNICATION

THE DEVELOPMENT OF VALUES AND BELIEFS IN YOUNG
AMERICANS TOWARD FALLOUT SHELTERS AND CIVIL
DEFENSE.

(U)

DESCRIPTIVE NOTE; PILOT STUDY REPT. NO. 1.
JAN 66 90P GREENBERG, BRADLEY S. ;
PETTERSEN, DUANE ; KOCHVAR, JOHN ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON COMMUNICATION RESEARCH.

DESCRIPTORS: (*FALLOUT SHELTERS, *PUBLIC OPINION),
CHILDREN, ADOLESCENTS, ATTITUDES, CIVIL DEFENSE
SYSTEMS, SOCIAL SCIENCES, CULTURE, STATISTICAL
ANALYSIS

(U)

WHAT KINDS OF BELIEFS AND OPINIONS DO YOUNGSTERS IN
THEIR PRE-TEEN AND TEENAGE YEARS HAVE TOWARD FALLOUT
SHELTERS AND CIVIL DEFENSE. 327 EIGHTH AND TWELFTH
GRADERS WROTE EXTEMPORANEOUS ESSAYS ON 'WHAT I
KNOW ABOUT FALLOUT SHELTERS', ATTITUDES
TOWARD THIS TOPIC WERE ASSESSED BY TRAINED CODERS ON
THE BASIS OF THEIR DEGREE OF FAVORABILITY TOWARDS
FALLOUT SHELTERS IN GENERAL, PRIVATE SHELTERS, PUBLIC
SHELTERS AND CIVIL DEFENSE. EACH OF THE ATTITUDES
WAS RELATED TO AGE, SEX, RACE, SOCIAL CLASS AND
PERSONAL ABILITY OF THE YOUNGSTERS. GENERALLY,
YOUNGSTERS HOLD FAVORABLE ATTITUDES TOWARD BOTH
FALLOUT SHELTERS AND CIVIL DEFENSE, AND THESE
EXPRESSED ATTITUDES ARE STRONGLY HELD. IN TERMS OF
AGE, THE YOUNGER STUDENTS ARE MORE FAVORABLE TOWARD
BOTH TYPES OF SHELTERS AND CIVIL DEFENSE IN GENERAL.
SEX DIFFERENCES WERE INSIGNIFICANT; HOWEVER, BOYS
TENDED TO BE SOMEWHAT LESS FAVORABLE. ATTITUDES OF
WHITE AND NON-WHITE YOUNGSTERS WERE STRIKINGLY
DIFFERENT WITH NON-WHITE STUDENTS CONSISTENTLY
EXPRESSING MORE FAVORABLE ATTITUDES TOWARD BOTH
SHELTERS AND CIVIL DEFENSE. SOCIAL CLASS APPEARED
TO BE UNRELATED TO ATTITUDES EXPRESSED ON THIS TOPIC.
A THIRD SIGNIFICANT CORRELATE OF ATTITUDES WAS
PERSONAL ABILITY. THE MORE ABLE STUDENTS WITHHOLD
SUPPORT FROM BOTH SHELTERS AND CIVIL DEFENSE, WHILE
THE LESS ABLE ON HIGHLY FAVORABLE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 168 15/3 5/11
MICHIGAN STATE UNIV EAST LANSING DEPT OF
COMMUNICATION

THE DEVELOPMENT OF VALUES AND BELIEFS IN YOUNG
AMERICANS TOWARD FALLOUT SHELTERS AND CIVIL
DEFENSE, (U)

DESCRIPTIVE NOTE: PILOT STUDY REPT. NO. 2.
MAY 66 73P GREENBERG, BRADLEY S. ;
PETTERSEN, DUANE ; KOCHEVAR, JOHN ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON COMMUNICATION RESEARCH.
SEE ALSO AD-637 167.

DESCRIPTORS: (•FALLOUT SHELTERS, •PUBLIC OPINION),
CHILDREN, ADOLESCENTS, ATTITUDES, CIVIL DEFENSE
SYSTEMS, SOCIAL SCIENCES, CULTURE, STATISTICAL
ANALYSIS (U)

THIS IS THE SECOND OF THREE REPORTS CONCERNING THE
ATTITUDES EXPRESSED BY AMERICAN YOUNGSTERS TOWARD
FALLOUT SHELTERS AND CIVIL DEFENSE. THE PRESENT
STUDY FOCUSED ON THE COMBINED EFFECTS OF AGE, SEX,
RACE AND PERSONAL ABILITY ON THEIR OPINIONS. WHEN
THESE VARIABLES ARE CONTROLLED SINGLY AND TOGETHER IN
ANALYZING OPINIONS, WE FIND THE FOLLOWING: IN
TERMS OF AGE, YOUNGER STUDENTS WERE MORE FAVORABLE TO
FALLOUT SHELTERS AND CIVIL DEFENSE WITH NO CHANGES
INTRODUCED BY CONTROLLING FOR OTHER VARIABLES.
RACE ALSO REMAINED HIGHLY CORRELATED WITH
ATTITUDES, AFTER CONTROLLING OTHER FACTORS. NON-
WHITE YOUNGSTERS WERE GENERALLY FAVORABLE THAN WHITE
YOUNGSTERS, BUT THE DIFFERENCE WAS MOST PRONOUNCED
AMONG THE OLDER NON-WHITES. PERSONAL ABILITY
ACCOUNTED FOR DIFFERENCES IN ATTITUDE TOWARD FALLOUT
SHELTERS AND CIVIL DEFENSE. THE HIGHER ABILITY
STUDENTS, ESPECIALLY THE OLDER ONES, WERE LESS
FAVORABLE TOWARD THE TWO OPINION AREAS. SEX WAS A
WEAK, NEGLIGIBLE CORRELATE OF THESE ATTITUDES, AND
SEX DID NOT INTERACT WITH THE OTHER VARIABLES.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 766 15/3 5/1
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

EMERGENCY OPERATIONS SIMULATION RESEARCH. (U)

DESCRIPTIVE NOTE: FINAL REPT.
MAY 66 120P CUSACK, B. L. IFLINT, RHEA ;
GIBBONS, R. D. ; HANEY, T. P. ; SWAVELY, D. C. ;
REPT. NO. TM(L)-2938/001/00,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, MANAGEMENT
PLANNING), SIMULATION, DECISION MAKING, DISASTERS,
FALLOUT SHELTERS, TRAINING, DISPLAY SYSTEMS (U)

CONTENTS: A DISCUSSION OF OPERATIONS SIMULATION
AND ITS ROLE AS AN APPLIED RESEARCH TOOL; THE
ESTABLISHMENT OF THE RESEARCH FACILITY AND MODEL
ENVIRONMENT; EMERGENCY ACTION DECISION EXPERIMENTS;
THE STUDY OF VARIOUS DISPLAY AND SPECIAL SIMULATION
EQUIPMENTS. (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 767 15/3 9/2 5/1
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

DATA PROCESSING FOR LOCAL CIVIL DEFENSE: AN
INVESTIGATION OF THE POTENTIALS.

(U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.
MAY 66 61P CUSACK, B. L. ;
REPT. NO. TM(L)-2938/002/00.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, MANAGEMENT
PLANNING), (*DATA PROCESSING SYSTEMS, CIVIL DEFENSE
SYSTEMS), CIVIL DEFENSE PERSONNEL, DECISION MAKING,
COMPUTERS, SURVIVAL

(U)

AN INVESTIGATION OF THE POTENTIAL APPLICATIONS OF
ELECTRONIC DATA-PROCESSING EQUIPMENT FOR LOCAL CIVIL
DEFENSE FUNCTIONS. DIRECTED SPECIFICALLY TOWARD THE
VIEWPOINT OF THE LOCAL CIVIL DEFENSE DIRECTOR, THE
REPORT PRESENTS THE SYSTEM CONSIDERATIONS REQUIRED TO
DETERMINE THE TIME PERIOD(S) DURING WHICH SUCH
EQUIPMENTS SHOULD BE USED; POSES QUESTIONS, GIVES
ANSWERS AND DISCUSSES THE RANGE OF POTENTIAL
APPLICATIONS, THE CONSTRAINTS AND CONSIDERATIONS OF
INFORMATION SYSTEMS, AND MANAGEMENT AND OPERATIONAL
FACTORS; AND, FINALLY RECOMMENDS THE COURSE OF ACTION
TO FOLLOW REGARDING FURTHER RELATED STUDIES.

(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 900 15/3 5/4
INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA ECONOMIC AND
POLITICAL STUDIES DIV

U. S. CIVIL DEFENSE BEFORE 1950: THE ROOTS OF PUBLIC
LAW 920. (U)

DESCRIPTIVE NOTE: SUMMARY REPT.

MAY 66 192P JORDAN, NEHEMIAH ;
REPT. NO. STUDY-S-212, IDA/HQ-65-3756
CONTRACT: OCD-OS-63-134,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *UNITED
STATES); LAW, HISTORY, SOCIAL SCIENCES,
PSYCHOLOGY, PUBLIC OPINION, POLITICAL SCIENCE,
MANAGEMENT PLANNING, GREAT BRITAIN, LEADERSHIP,
UNITED STATES GOVERNMENT (U)
IDENTIFIERS: KOREA (U)

THE HISTORIC BACKGROUND OF PUBLIC LAW 920, THE
CIVIL DEFENSE ACT OF 1950, IS EXAMINED IN ORDER
TO ILLUMINATE THE CAUSES OF THE DIFFICULTIES NOW
CONFRONTING THOSE CONCERNED WITH NATIONAL CIVIL
DEFENSE IN THEIR EFFORTS TO ESTABLISH AN OPERATIONAL
OR POTENTIALLY OPERATIONAL CIVIL DEFENSE
ORGANIZATION. THE HYPOTHESIS OF THE STUDY IS THAT
MANY OF THESE DIFFICULTIES ARE AN INHERITANCE OF A
FORGOTTEN PAST. THE STUDY OF THIS PERIOD SHOWS
THAT MANY OF THE EVENTS LEADING UP TO THE ENACTMENT
OF THIS LAW, AS WELL AS THE INTENT OF THOSE INVOLVED
IN ITS LEGISLATION, ARE PROBABLY RADICALLY
MISUNDERSTOOD AT PRESENT. UNDERSTANDING OF EVENTS
PRIOR TO THE ENACTMENT OF THE LAW SHEDS MUCH LIGHT ON
MANY CURRENT DEFENSE DIFFICULTIES AND, AS SUCH, IS
USEFUL FOR FUTURE PLANNING. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-639 751 15/3
HUDSON INST INC HARMON-ON-HUDSON N Y

METHODOLOGY FOR POSTATTACK RESEARCH. (U)

DESCRIPTIVE NOTE: RESEARCH REPT.,
AUG 66 46P AYRES, ROBERT U. ;
REPT. NO. H-647-RR,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, SCIENTIFIC
RESEARCH), BEHAVIOR, SOCIOLOGY, RADIATION EFFECTS,
NUCLEAR EXPLOSION DAMAGE (U)

THE REPORT DISCUSSES THE METHODOLOGY OF POSTATTACK
RESEARCH. A HIERARCHICAL APPROACH IS DESCRIBED, IN
WHICH THE OBJECTS OF ANALYSIS RANGE FROM SIMPLE
ORGANISMS AND ARTIFACTS TO COMPLEX HUMAN SOCIETIES
AND ECOSYSTEMS. THE NOTION OF 'RESPONSE' TO A
PERTURBATION WHICH IS APPROPRIATE FOR SIMPLE SYSTEMS
IS EXTENDED TO ENCOMPASS THE WIDER NOTION OF
'DISUTILITY' IN DESCRIBING THE EFFECTS OF A NUCLEAR
ATTACK ON THE ECONOMY OR THE SOCIETY OF THE NATION AS
A WHOLE. THE APPROPRIATE USES OF DEVICES SUCH AS
SCENARIOS, GAMES, CASE HISTORIES, METAPHORS AND
MODELS FOR VARIOUS PURPOSES IS DISCUSSED. THE
MAJOR POINT IS THAT NON-RIGOROUS CONSTRUCTS MAY BE
EXTREMELY HELPFUL IN TRAINING, RAISING THE LEVEL OF
THE DISCUSSION, AND GENERATING INSIGHTS, BUT CANNOT
BE USED FOR PREDICTIVE PURPOSES AS MODELS CAN. A
'STATE-OF-THE-ART' ESTIMATE OF VARIOUS MODELS IS
INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

/ZMML7

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-640 206 15/J
FEDERAL AVIATION AGENCY WASHINGTON D C

DEFENSE READINESS: SELECTED REFERENCES. (U)

MAR 64 42P
REPT. NO. BIBLIOGRAPHIC LIST-11,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS,
BIBLIOGRAPHIES), CIVIL DEFENSE PERSONNEL,
TRAINING, FALLOUT SHELTERS, COMMUNICATION SYSTEMS,
TRANSPORTATION, PUBLIC HEALTH, PSYCHOLOGY,
MEDICINE, RADIOLOGICAL CONTAMINATION, RADIATION
MONITORS, DECONTAMINATION, CIVIL AVIATION,
SURVIVAL, AGRICULTURE, INDUSTRIES (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-641 989 5/10 15/3
SIMULMATICS CORP NEW YORK

CRISIS LEVEL AND CIVIL DEFENSE ATTITUDES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 66 63P POPKIN, SAMUEL L. ;
TASK: 4813A

UNCLASSIFIED REPORT

DESCRIPTORS: (*ATTITUDES, *CIVIL DEFENSE SYSTEMS),
PUBLIC OPINION, PSYCHOMETRICS, ANALYSIS OF
VARIANCE, WARFARE (U)

COMPARATIVE SURVEY ANALYSIS WAS USED TO RELATE
PUBLIC OPINIONS ABOUT CIVIL DEFENSE TO THE LEVEL
OF INTERNATIONAL TENSION. TWELVE CLUSTERS OF
SIMILAR QUESTIONS FROM NATIONAL SURVEYS TAKEN BETWEEN
1952 AND 1964 WERE ANALYZED TO DETERMINE IF THERE
WERE ANY SIGNIFICANT VARIATIONS BETWEEN SURVEYS THAT
COULD BE ACCOUNTED FOR BY CHANGES IN THE LEVEL OF
INTERNATIONAL TENSION. CLUSTERS MOST SIGNIFICANTLY
RELATED TO THE TENSION LEVEL WERE IMMINENCE OF
WAR AND HOME PREPARATIONS FOR ATTACK. IN
GENERAL IT IS CONCLUDED THAT IT OFTEN IS MORE
IMPORTANT TO HAVE HIGH CONTINUITY BETWEEN SURVEYS IN
QUESTIONS ASKED AND TO HAVE HIGH FLEXIBILITY IN THE
TIMING OF SURVEYS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-642 145 15/3 5/1
HUDSON INST INC HARMON-ON-HUDSON N Y

MANAGEMENT REQUIREMENTS FOR CRISIS CIVIL DEFENSE
PROGRAMS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
SEP 64 36P ROCKETT, FREDERICK C. ;
REPT. NO. HI-612-RR
TASK: 4211-C

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *MANAGEMENT
ENGINEERING), SURVIVAL, SPECIFICATIONS, MANAGEMENT
PLANNING, ECONOMICS, RECOVERY

(U)

MANAGING CRISIS PREPARATIONS FOR CIVIL DEFENSE IS
SEEN AS A MAJOR TASK REQUIRING PEACETIME
PREPARATIONS. CONSIDERABLE MANAGEMENT FLEXIBILITY
WOULD BE REQUIRED BECAUSE CIVIL DEFENSE PREPARATIONS
HAVE SEVERAL POTENTIAL PROGRAMS. BEYOND SURVIVAL
MEASURES THERE ARE SUCH POSSIBLE CRISIS PROGRAMS AS
RECOVERY, WELFARE, AND COMMAND AND CONTROL. EACH
CRISIS PROGRAM MIGHT HAVE SEVERAL VERSIONS WITH
DIFFERENT IMPLEMENTATION TIMES AND MEASURES.
CRISIS CONDITIONS COULD AFFECT THE FEASIBILITY OF
CRISIS PROGRAMS ADDING TO THE REQUIREMENT FOR
FLEXIBILITY. IN PLANNING THE MANAGEMENT OF CRISIS
CIVIL DEFENSE EFFORTS, OVER-ALL IMPLEMENTATION
STRATEGIES MIGHT HAVE VALUE. THREE IMPLEMENTATION
STRATEGIES ARE DISCUSSED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-643 719 15/3 5/11
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

CIVIL DEFENSE AND SOCIETY.

(U)

DESCRIPTIVE NOTE: INTERIM REPT.,
JUN 63 263P NEHNEVAUSA, JIRI ;
CONTRACT: OCD-OS-62-267

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS,
EFFECTIVENESS), (*SOCIOLOGY, CIVIL DEFENSE
SYSTEMS), PROBABILITY, COSTS, PUBLIC OPINION,
DECISION MAKING, SURVIVAL, ENVIRONMENT,
COMPATIBILITY, DISARMAMENT, DETERRENCE, COLD
WAR, STRESS (PSYCHOLOGY), FEDERAL BUDGETS, ARMS
CONTROL

(U)

FIRST OF ALL, THE AUTHOR CONSIDERS PROBLEMS OF
EFFECTIVENESS OF ANY CIVIL DEFENSE PROGRAM.
THIS HAS TO DO WITH THE CAPABILITY OF A PROGRAM TO
ATTAIN, TO A REASONABLE DEGREE, ITS OWN OBJECTIVES.
SECONDLY, HE LOOKS AT THE IMPACT OF CIVIL
DEFENSE UPON THE COLD WAR. THESE, AS IT
WERE, ARE EFFECTS WHICH WE MAY BUY BY ADOPTING
MEASURES TO PROTECT OUR POPULATION. THEY HAVE TO
DO WITH THE FACT THAT SOME NATIONAL RESOURCES MAY
HAVE TO BE DIVERTED FROM OTHER PROGRAMS; THAT
CONFLICT BETWEEN PEACE AND WAR-PREPARATIONS MAY EXIST
IN REALITY, OR IN PERCEPTIONS OF PEOPLE (COGNITIVE
DISSONANCE PROBLEM); THAT CIVIL DEFENSE MAY
CONTRIBUTE TO DETERRENCE EITHER DIRECTLY OR THROUGH
ITS EFFECT UPON CREDIBILITY OF USE OF NUCLEAR
WEAPONS; THAT IT MAY INCREASE THE PROSPECTS FOR WAR.
THIRDLY, HE CONSIDERS THE EFFECTS OF CIVIL
DEFENSE UPON AMERICANS AND UPON THE NATURE OF OUR
SOCIETY. THESE ARE KEY STANDARDS AGAINST WHICH THE
FEASIBILITY, WORTH, AND MEANING OF ALTERNATIVE
PROGRAMS HAVE TO BE EVALUATED.

(U)

UNCLASSIFIED

/ZMML7

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-644 619 15/3
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

A STATE CIVIL DEFENSE TRAINING PLAN: AN ORGANIZATION
AND TRAINING DEVELOPMENT RESEARCH STUDY. (U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,
SEP 66 345P GORDON, J. J. IBUSTYA, C. ;
STREICH, E. R. ;
REPT. NO. TM-3099/000/01

UNCLASSIFIED REPORT

DESCRIPTIONS: (*CIVIL DEFENSE SYSTEMS, TRAINING),
(*CIVIL DEFENSE PERSONNEL, INSTRUCTION MANUALS),
MANAGEMENT ENGINEERING, DISASTERS, FIRES, SYSTEMS
ENGINEERING, FIRE SAFETY, WARFARE (U)

A FULLY DETAILED AND COMPREHENSIVE EXAMINATION OF
STATE CIVIL DEFENSE TRAINING. IT INCLUDES A SURVEY
OF STATES, WHICH WAS UNDERTAKEN TO DETERMINE THE
ARRAY OF DIFFERENT STATE AGENCY ORGANIZATIONAL
STRUCTURES. USING IT AS A BASIS, SPECIFIC STATES
WERE SELECTED FOR INTENSIVE STUDY AND DATA
COLLECTION. UTILIZING THE DATA OBTAINED, AN
ANALYSIS OF THE EMERGENCY TASKS OF EACH STATE AGENCY
IS PERFORMED, TRAINING REQUIREMENTS SPECIFIED,
PERSONNEL TO BE TRAINED DESIGNATED, AND TRAINING
METHODS DESCRIBED. IN ADDITION ALTERNATIVE
TRAINING PROBLEMS BASED UPON DIFFERENT FUNDING AND
TIMING ASSUMPTIONS ARE PROPOSED AND EXAMINED; A
'CRISIS PREPARATION' PROGRAM IS DESCRIBED; AND A
SPECIFIC EXAMPLE OF EMERGENCY SERVICE TRAINING USING
THE FIRE SERVICE IS OUTLINED. FINALLY, SUGGESTIONS
FOR FURTHER RESEARCH ARE PRESENTED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-646 150 15/3 5/9
STANFORD RESEARCH INST MENLO PARK CALIF

OCCUPATIONAL SKILLS AND CIVIL DEFENSE, (U)

SEP 66 82P BROWN, STEPHEN L. ;
PROJ: SR1-MU-4949-350

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, MANPOWER STUDIES), (*EMPLOYMENT, INDUSTRIES), JOB ANALYSIS, LABOR, INDUSTRIAL PLANTS, POPULATION, SURVIVAL, TECHNICIANS, CLASSIFICATION, SAMPLING, CIVILIAN PERSONNEL, INDUSTRIAL RESEARCH (U)

DETAILED KNOWLEDGE OF LOCAL DISTRIBUTIONS OF INDUSTRIAL SKILLS AND NATIONWIDE PATTERNS OF EMPLOYMENT IS USEFUL PREATTACK IN ANALYZING INDUSTRIAL VULNERABILITY AND POSTATTACK IN ALLOCATING LABOR RESOURCES. A METHOD FOR ESTIMATING OCCUPATION-INDUSTRY DISTRIBUTION, BY CENSUS TRACT, IS PROPOSED AND USED IN A HYPOTHETICAL ATTACK ON SAN JOSE, CALIFORNIA, TO INVESTIGATE SELECTIVE SURVIVAL OF OCCUPATIONAL SKILLS. A MATRIX OF OCCUPATIONS, BY INDUSTRY, IS PRESENTED FOR THE ENTIRE UNITED STATES. THE TYPES OF ANALYSES THAT CAN BE UNDERTAKEN USING THE MATRIX ARE DISCUSSED. (AUTHOR) (U)

UNCLASSIFIED

/ZMML7

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-646 996 5/10 15/3 13/13
SIMULMATICS CORP CAMBRIDGE MASS

EVALUATION OF COMMUNITY RESPONSE TO FPHS
PROGRAM.

(U)

DESCRIPTIVE NOTE: FINAL REPT., 14 MAR-30 DEC 66,
DEC 66 56P POOL, ITHIEL DE SOLA YATES,
JULES D. WESTLAKE, M. I

UNCLASSIFIED REPORT

DESCRIPTORS: (*ATTITUDES, *CIVIL DEFENSE SYSTEMS),
PUBLIC OPINION, QUESTIONNAIRES, HOUSING,
BUILDINGS, FALLOUT SHELTERS, SHIELDING,
PSYCHOMETRICS, REACTION(PSYCHOLOGY)
IDENTIFIERS: EVALUATION

(U)

(U)

TWO SURVEYS WERE CONDUCTED TO EVALUATE THE RESPONSE
IN RHODE ISLAND TO A QUESTIONNAIRE ON
EVALUATION OF FALLOUT PROTECTION IN HOMES.
(FPHS) RECEIPT OF THE FPHS QUESTIONNAIRE DID NOT
SIGNIFICANTLY CHANGE ATTITUDES TOWARD CIVIL DEFENSE
PROGRAMS, NOR DID IT RAISE THE LEVEL OF ANXIETY IN
THE COMMUNITY. RECEIPT OF REPLIES TO THE
HOUSEHOLDERS' RESPONSES (WHICH PRECEDED THE SECOND
SURVEY) DID RAISE THE LEVEL OF AWARENESS ABOUT
CIVIL DEFENSE, WITHOUT SIGNIFICANTLY CHANGING THE
LEVEL OF ANXIETY OR CHANGING THE ACTIVITY OF
HOUSEHOLDERS WITH REGARD TO A FALLOUT SHELTER
PROGRAM. THE FPHS QUESTIONNAIRE PROGRAM, WHILE
USEFUL IN ELICITING INFORMATION, CANNOT BY ITSELF
SERVE TO ENCOURAGE ACTION (TO ANY USEFUL DEGREE)
BY THE PUBLIC WITH REGARD TO FALLOUT SHELTERS.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-647 250 18/4 15/3
GAUTNEY AND JONES COMMUNICATIONS INC WASHINGTON, D C

INSTALLATION AND TESTING OF AN AUTOMATIC . DTE
RADIOLOGICAL MONITORING SYSTEM. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
JUL 66 127P HARRIES, WILLIAM S. METZLER,
ROBERT E. LAWSON, MELVIN E. , JR;
REPT. NO. TR-66.0201.003

UNCLASSIFIED REPORT

DESCRIPTORS: (•RADIATION MONITORS, AUTOMATIC);
TELEMETER SYSTEMS, CIVIL DEFENSE SYSTEMS, DATA
TRANSMISSION SYSTEMS, REMOTE CONTROL SYSTEMS (U)

AN AUTOMATIC REMOTE RADIOLOGICAL MONITORING
SYSTEM WHICH WAS DEVELOPED WAS INSTALLED IN A
COMMUNITY AND TESTED FOR OPERATIONAL CHARACTERISTICS.
THE SYSTEM AS DELIVERED WAS CAPABLE OF BEING
OPERATED VIA LANDLINE TELEMETRY LINKS BUT
CONSIDERABLE ENGINEERING EFFORT WAS REQUIRED TO
EFFECT AN INTERFACE WITH A VHF RADIO LINK.
EXTENSIVE MODIFICATION OF BOTH THE BASE STATION AND
REMOTE STATION TRANSCEIVERS AS WELL AS THE MONITORING
EQUIPMENT WAS PERFORMED. WHEN THE RADIO TELEMETRY
PROBLEMS HAD BEEN SOLVED, THE SYSTEM WAS DEPLOYED IN
MONTGOMERY COUNTY, MARYLAND, WHICH COMPRISES AN
AREA OF APPROXIMATELY FIVE HUNDRED SQUARE MILES.
THE UNITS WERE INSTALLED ON COUNTY SCHOOL
PROPERTIES DISTRIBUTED THROUGHOUT THE COUNTY, AND
THE DEPLOYMENT PATTERN INCLUDES PATH LENGTHS RANGING
FROM THREE AND ONE HALF TO FIFTEEN AND ONE HALF MILES
OVER ROLLING TERRAIN. TELEMETRY MODES SUCCESSFULLY
EMPLOYED IN THE INSTALLATION INCLUDE TWO VHF SINGLE
FREQUENCY RADIO LINKS, SIX STANDARD LEASED LANDLINE
LINKS, ONE COMBINATION LEASED LANDLINE - BELL
SYSTEM AUDIO CARRIER LINK AND ONE COMBINATION
LEASED LANDLINE - DUPLEX MICROWAVE LINK. THE
SYSTEM IS NOW OPERATIONAL AND IS CURRENTLY BEING
EVALUATED, UNDER A SEPARATE CONTRACT, FOR
EFFECTIVENESS IN ITS PRESENT FORM AND FOR
IMPROVEMENTS IN RELIABILITY AND OPERABILITY THAT MAY
BE INCORPORATED IN FUTURE SYSTEMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMHL7

AD-649 543 15/3 5/4
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

AMERICANS' VIEWS ON CIVIL DEFENSE IN THE COLD WAR
CONTEXT: 1966. (U)

DESCRIPTIVE NOTE: SUMMARY REPT.,
DEC 66 154P NEHNEVAJSA, JIRI :
CONTRACT: OCD-OS-63-48, NSF-G-11309

UNCLASSIFIED REPORT

DESCRIPTORS: (*COLD WAR, CIVIL DEFENSE SYSTEMS),
(*CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),
POPULATION, ATTITUDES, DISASTERS, FALLOUT
SHELTERS, NUCLEAR WEAPONS, PROBABILITY,
SAMPLING (U)

THE PURPOSE OF THIS REPORT IS TO EXAMINE
AMERICANS' VIEWS ON CIVIL DEFENSE IN THE 1966 COLD
WAR CONTEXT FROM THE POINT OF VIEW OF THE FUNDAMENTAL
PATTERNS AND MEANINGS OF ALL AVAILABLE INFORMATION
AND FROM THE POINT OF VIEW OF EVALUATING SPECIFIC
ITEMS OF INFORMATION. THE 1966 DATA WERE OBTAINED
FROM A NATIONAL SAMPLE OF 1,497 AMERICANS
INTERVIEWED IN FEBRUARY AND MARCH, 1966. IN
MANY CASES, DATA ARE PRESENTED WITH COMPARABLE DATA
FROM PREVIOUS STUDIES. THERE IS A FORM OF
'NATIONAL CONSENSUS,' WITH STABILITY OVER TIME, IN
SUPPORT OF CIVIL DEFENSE, AND IT IS IMPOSSIBLE TO
IDENTIFY ANY PARTICULAR SEGMENT OF THE POPULATION WHO
EXPRESS NEGATIVE SENTIMENTS. THE BASIC CONSISTENCY
IN POSITIVE ATTITUDES APPARENTLY HAS NOT BEEN
AFFECTED BY FLUCTUATIONS IN THE INTERNATIONAL
ENVIRONMENT, CHANGES IN THE NATION'S ADMINISTRATION,
OR SHIFTS IN SOVIET LEADERSHIP. NOR HAVE MAJOR
SHIFTS IN THE CIVIL DEFENSE PROGRAMS THEMSELVES
AFFECTED THE NATIONAL SENTIMENT. AMERICANS ARE
CONVINCED THAT SURVIVAL ODDS WOULD BE GREATLY
ENHANCED FOR A SHELTERED POPULATION. THE SHELTER
ASSIGNMENT NOTION MEETS WITH VERY LITTLE NEGATIVE
FEELING. THE HOME SHELTER SURVEY IDEA IS VERY WELL
RECEIVED. AMERICANS SEE A SIGNIFICANT ROLE FOR
CIVIL DEFENSE IN NATURAL DISASTER AND OTHER EMERGENCY
SITUATIONS. WHILE AMERICANS DO NOT CONSIDER
CIVIL DEFENSE TO BE AMONG THE MOST IMPORTANT PROBLEMS
FACING THE NATION, AMONG PROGRAMS COMPETING BEFORE
CONGRESS FOR FINANCIAL SUPPORT, CIVIL DEFENSE IS
SECOND ONLY TO HIGHER EDUCATION AND NATIONAL HEALTH
PROGRAMS. (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-649 835 13/2 5/1 15/3
PLANNING RESEARCH CORP LOS ANGELES CALIF

IMPLEMENTATION OF AN ORDERED SPRAWL URBAN
CONFIGURATION.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
JAN 67 226P BLUNT, KEITH R. ILIFETER,
JOEL J. IVANDAAM, PETER J
REPT. NO. PRC D-1219

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH
STANFORD RESEARCH INST., MENLO PARK, CALIF.
CONTRACT OCD-PS-64-201.

DESCRIPTORS: (•URBAN AREAS, CONFIGURATION),
(•CIVIL DEFENSE SYSTEMS, URBAN AREAS), URBAN
PLANNING, PASSIVE DEFENSE, COSTS, POPULATION,
TRANSPORTATION, FEASIBILITY STUDIES, MANAGEMENT
ENGINEERING

(U)

THIS STUDY IS THE THIRD PHASE OF A RESEARCH EFFORT
CONCERNED WITH THE ROLE OF URBAN FORM AS A PASSIVE
DEFENSE VARIABLE. ITS PURPOSE IS TO CONSIDER HOW
THE PHYSICAL CONFIGURATIONS OF EXISTING URBAN AREAS
MIGHT BE MODIFIED IN ORDER TO BRING THEM IN CLOSER
APPROXIMATION TO A DECENTRALIZED 'ORDERED SPRAWL'
ARRANGEMENT FOUND IN THE INITIAL PHASE OF THE WORK TO
BE OPTIMAL IN TERMS OF ECONOMIC, SOCIAL, AND DEFENSE
CONSIDERATIONS. ATTENTION IS FOCUSED ON THREE
MAJOR SUBJECT AREAS: TECHNIQUES FOR IMPLEMENTING
URBAN DECENTRALIZATION, MAJOR PROBLEMS LIKELY TO BE
ENCOUNTERED IN DECENTRALIZATION EFFORTS, AND CONTROL
PROCESSES THROUGH WHICH CONFIGURATIONAL MODIFICATIONS
WOULD HAVE TO BE IMPOSED. IN COMPARING ORDERED
SPRAWL WITH CONVENTIONAL URBAN FORMS, IT WAS FOUND
THAT CONTROL OF INTERCOMMUNITY OPEN SPACE WOULD BE
THE CRITICAL ELEMENT IN ACHIEVING METROPOLITAN
DECENTRALIZATION. WHILE TECHNIQUES CURRENTLY
AVAILABLE FOR GUIDING URBAN LAND-USE DECISIONS
CONSTITUTE A SOUND FOUNDATION OF CONTROL FOR
IMPLEMENTING DECENTRALIZATION, THEY WOULD HAVE TO BE
ADMINISTERED ON AN AREA-WIDE BASIS AND SUPPLEMENTED
BY VARIOUS INDIRECT CONTROLS. WHILE PLANNING FOR
DECENTRALIZATION WOULD HAVE TO OCCUR WITHIN A
METROPOLITAN FRAMEWORK, THE URBAN PLANNING FUNCTION
IS CURRENTLY CONDUCTED LARGELY AT THE MUNICIPAL
LEVEL; THE PROBLEM HERE COULD BE RESOLVED BY
ASSIGNING RESPONSIBILITY FOR DECENTRALIZATION
PLANNING TO THE METROPOLITAN TIER.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-651 049 5/11
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

SYSTEM LINKAGES AMONG WOMEN'S ORGANIZATIONS: AN
EXPLORATORY STUDY OF MEMBERSHIP AND LEADERSHIP
LINKAGES AMONG WOMEN'S FORMAL ORGANIZATIONS IN A
LOCAL COMMUNITY. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
67 143P BEAL, GEORGE M. ; KLONGLAN,
GERALD E. ; YARBROUGH, PAUL ; BOHLEN, JOE M. ;
DILLMAN, DON A. ;
REPT. NO. RURAL SOCIOLOGY-42
PROJ: 401-43-26-73-1529
TASK: 4811-E

UNCLASSIFIED REPORT

DESCRIPTORS: (*ORGANIZATIONS, *SOCIAL SCIENCES),
LEADERSHIP, SOCIOLOGY, FEMALES, HUMANS, CIVIL
DEFENSE SYSTEMS, ATTITUDES, BEHAVIOR, SOCIAL
PSYCHOLOGY, RURAL AREAS (U)

THE LOCAL CIVIL DEFENSE DIRECTOR IS
CONCEPTUALIZED AS A CHANGE AGENT WITH THE TASK OF
INSTIGATING SOCIAL CHANGE. IN LOCAL COMMUNITIES
VOLUNTARY ORGANIZATIONS, CONCEPTUALIZED AS SOCIAL
SYSTEMS, ARE POTENTIAL RESOURCES WHICH A CHANGE AGENT
MAY UTILIZE IN VARIOUS WAYS TO INSTIGATE SOCIAL
CHANGE. THE VOLUNTARY ORGANIZATIONS IN A SINGLE
LOCAL COMMUNITY HAVE VARIOUS RELATIONSHIPS EXTANT
BETWEEN THEM WHICH MAY IMPINGE UPON ATTEMPTS TO
INVOLVE THEM IN SOCIAL CHANGE EFFORTS. ONE OF
THESE RELATIONSHIPS IS THAT OF STRUCTURAL SYSTEM
LINKAGE, I.E. OVERLAPPING MEMBERSHIPS WITH OR WITHOUT
ACCOMPANYING LEADERSHIP RESPONSIBILITIES OR
QUALITIES. FOUR TYPES OF STRUCTURAL SYSTEM
LINKAGES ARE ANALYZED IN THIS REPORT: MEMBER TO
MEMBER LINKAGE, MEMBER TO OFFICER LINKAGE, MEMBER TO
ORGANIZATIONAL INFLUENTIAL LINKAGE AND MEMBER TO
COMMUNITY INFLUENTIAL LINKAGE. DEFINITE PATTERNS
OF MEMBER TO MEMBER LINKAGES AND MEMBER TO LEADER
LINKAGES EXISTED AMONG THE 41 STUDY ORGANIZATIONS.
CLUSTERS OF ORGANIZATIONS WERE DELINEATED ON THE
BASIS OF THE PATTERNING OF MEMBER TO MEMBER LINKAGES.
THE PATTERNS OF MEMBER TO LEADER LINKAGES DIFFERED
FROM THAT OF THE MEMBER TO MEMBER LINKAGES.

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-651 167 15/J
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

COST AND FINANCING OF CIVIL DEFENSE; SOME PUBLIC
VIEWS.

(U)

FEB 67 77P COLEMAN, ALAN N. ;
CONTRACT: DAHC20-67-C-0122, NSF G11309

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, ECONOMICS),
COSTS, FALLOUT SHELTERS, PUBLIC OPINION

(U)

THE REPORT ATTEMPTS TO BRING TOGETHER, FROM A NUMBER OF NATIONAL AND COMMUNITY STUDIES, THE RESULTS REGARDING THE AMERICAN PUBLIC'S VIEWS ON THE COST AND FINANCING OF CIVIL DEFENSE MEASURES AND PROGRAMS. GIVEN THE LIMITATIONS IMPOSED BY THE NUMBER AND DIVERSITY OF THE STUDIES USED, THE FOLLOWING GENERALIZATIONS OBTAINED: (1) INCREASING CIVIL DEFENSE EXPENDITURES IN GENERAL IS BELIEVED DESIRABLE; (2) MANY CITIZENS ARE UNCERTAIN ABOUT WHAT FALLOUT PROTECTION SHOULD COST; (3) PERSONAL ASSUMPTION OF THE TOTAL OR EVEN PARTIAL COST FOR FAMILY SHELTERS IS NOT FAVORED; (4) MAJOR OBJECTIONS TO FAMILY FALLOUT SHELTERS INVOLVE COST; (5) FAVORABILITY OF PUBLIC AS WELL AS FAMILY FALLOUT SHELTERS IS INCREASED WHEN FEDERAL OR STATE FINANCIAL ASSISTANCE IS INCLUDED; (6) A SUBSTANTIAL PORTION OF THE CITIZENRY FAVORS A TAX REDUCTION OR EXEMPTION FOR SHELTERS; (7) INDIRECT INDUCEMENTS FOR BUILDING SHELTERS GENERALLY MEET THE APPROVAL OF THE PUBLIC; (8) SPECIFIED ALTERNATIVE METHODS OF FINANCING SHELTERS HAVE BEEN MET WITH DISAPPROVAL OR UNCERTAINTY; (9) PUBLIC SHELTERS ARE VIEWED AS EFFECTIVE AND WORTH THE COST; (10) AMONG ALTERNATIVE PROGRAMS, EDUCATION AND HEALTH RANK AHEAD OF CIVIL DEFENSE MEASURES, AND VERY FEW PEOPLE CURRENTLY AGREE THAT CIVIL DEFENSE MONIES WOULD BE BETTER SPENT ON MISSILES AND BOMBERS. THE MAJORITY OF THE STUDIES UTILIZED WERE CONDUCTED IN THE EARLY 1960'S--A TIME WHEN THE FAMILY SHELTER CONTROVERSY REACHED IT APEX. GENERAL COST AND FINANCING ISSUES AND ALTERNATIVES HAVE NOT BEEN PROBED EXTENSIVELY IN NATIONAL AND COMMUNITY SURVEYS. (AUTHOR)

(U)

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UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-653 466 5/11 15/3
HUMAN SCIENCES RESEARCH INC MCLEAN VA

KINSHIP AND VOLUNTARY ORGANIZATION IN POST-
THERMONUCLEAR ATTACK SOCIETY: SOME EXPLORATORY
STUDIES, (U)

SEP 65 338P GREER, SCOTT A. WINCH;
ROBERT F. I
REPT. NO. HSR-RR-65/1-CR
CONTRACT: OCD-OS-63-114

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH
NORTHWESTERN UNIV., EVANSTON, ILL.; CENTER FOR
METROPOLITAN STUDIES. SEE ALSO AD-653 466.

DESCRIPTORS: (*SOCIOLOGY, UNITED STATES),
(*CIVIL DEFENSE SYSTEMS, SOCIOLOGY), SOCIAL
PSYCHOLOGY, ORGANIZATIONS, URBAN AREAS,
VULNERABILITY, DISASTERS, SOCIAL SCIENCES,
RECOVERY, STATISTICAL DATA,
REACTION(PSYCHOLOGY), POPULATION, BEHAVIOR,
SURVIVAL, NUCLEAR WARFARE (U)

IDENTIFIERS: POST ATTACK OPERATIONS, FAMILIES (U)

THE INCIDENCE OF FAMILY-KINSHIP AND VOLUNTARY
ORGANIZATIONAL PATTERNS IN CONTEMPORARY UNITED
STATES SOCIETY ARE EXAMINED. MANY PRIMARY FAMILY
UNITS, COMPOSED OF PARENTS-IMMEDIATE CHILDREN
(*NUCLEAR FAMILIES*), HAVE TIES WITH RELATIVES
OUTSIDE THE NUCLEAR FAMILY, WHICH SUGGESTS THE
EXISTENCE OF PATTERNS OF EXTENDED FAMILISM AND OF
KINSHIP NETWORKS. PARTICIPATION IN VOLUNTARY
ORGANIZATIONS IS A WIDELY PERVASIVE FEATURE OF
AMERICAN SOCIETY, OFFERING A MAJOR LEVEL AND FOCUS
OF COMMUNITY ORGANIZATION AND ACTION.
PARTICIPATION IN BOTH KINSHIP RELATIONS AND
VOLUNTARY ORGANIZATIONS WAS FOUND TO VARY ON SEVERAL
DIMENSIONS. KINSHIP RELATIONS VARY MOST STRONGLY
BY 'ETHNICITY'--MEASURED BY THE RELIGIOUS, CULTURAL,
AND/OR RACIAL BACKGROUND OF THE FAMILY.
DIFFERENCES IN PATTERNS OF KINSHIP AND VOLUNTARY
ORGANIZATION TEND TO BE ASSOCIATED WITH DIFFERENCES
AMONG SOCIAL AREAS WHICH CAN BE DESCRIBED WITHIN THE
PHYSICAL SPACE FORMED BY METROPOLITAN COMMUNITIES.
SEVERAL PROPOSITIONS ARE FORMED, RELATING MASS DATA
FOR AMERICAN CITIES AND THE ASSOCIATIONAL NETWORKS
OF LOCALITIES. (1) THERE ARE CONSTANT
RELATIONSHIPS BETWEEN SUB-POPULATION TYPES AND
PARTICIPATION IN THE LOCAL AREA AS A COMMUNITY. (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-654 201 15/3 5/10
HUMAN SCIENCES RESEARCH INC MCLEAN VA

SPECIAL PROBLEMS OF CHILDREN IN CIVIL DEFENSE
PLANNING.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
FEB 67 SSP LUTZ, FRANK W. ;
REPT. NO. HSR-RR-67/3-CR
CONTRACT: OCS-OS-63-114
TASK: 43218

UNCLASSIFIED REPORT

DESCRIPTORS: (•DISASTERS, •CHILDREN), NUCLEAR
WARFARE, CIVIL DEFENSE SYSTEMS, SHELTERS,
EDUCATION, MANAGEMENT PLANNING,
ADJUSTMENT (PSYCHOLOGY), SOCIAL PSYCHOLOGY,
GROUP DYNAMICS, BEHAVIOR
IDENTIFIERS: ORPHANS

(U)

(U)

THE STUDY IS A LIMITED RESEARCH EFFORT WHICH
ADDRESSES FOUR KINDS OF QUESTIONS OF POTENTIAL
INTEREST TO THE CIVIL DEFENSE PLANNER. (1)
WHAT EFFECTS ON CHILDREN CAN BE OBSERVED WHICH ARE
ATTRIBUTABLE TO THE EXISTENCE OF THE THREAT OR
POSSIBILITY OF NUCLEAR WAR. (2) WHAT IS KNOWN
ABOUT THE EFFECTS OF DISASTER AND FAMILY DISRUPTION
ON CHILDREN WHICH MIGHT HAVE SIGNIFICANCE FOR CIVIL
DEFENSE PLANNING. (3) WHAT IS KNOWN ABOUT
ALTERNATIVE APPROACHES TO THE CARE OF ORPHANS.
(4) WHAT ARE THE POSSIBLE USES OF SCHOOLS IN
SHELTER SYSTEMS AND WHAT ARE THE CONSIDERATIONS
INVOLVED. AVAILABLE EVIDENCE RELATED TO EACH OF
THESE GENERAL QUESTIONS IS REVIEWED AND DISCUSSED.
THE IMPLICATIONS OF THE FINDINGS WERE SUMMARIZED IN
RELATION TO THREE COMPONENTS OF CIVIL DEFENSE
PLANNING: (1) EDUCATION AND INFORMATION;
(2) SHELTER SYSTEM PLANNING; (3) POST-ATTACK
ORPHAN CARE. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-654 478 15/3
HUDSON INST INC HARMON-ON-HUDSON N Y

CRISIS CIVIL DEFENSE AND DETERRENCE,

(U)

APR 67 85P ROCKETT, FREDERICK C. I
REPT. NO. HI-777/2-RR

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, •USSR),
(•EASTERN EUROPE, CIVIL DEFENSE SYSTEMS),
(•CHINA, CIVIL DEFENSE SYSTEMS), DETERRENCE,
NATIONAL DEFENSE, UNITED STATES, TRANSPORTATION,
EVACUATION, URBAN AREAS, FALLOUT SHELTERS,
SURVIVAL, INDUSTRIES, VULNERABILITY, RECOVERY

(U)

THE REPORT EXAMINES THE POTENTIAL OF THE SOVIET UNION, CHINA, AND SOME EUROPEAN NATIONS FOR REDUCING THEIR VULNERABILITY TO NUCLEAR ATTACK THROUGH EMERGENCY CIVIL DEFENSE MEASURES TAKEN DURING AN INTENSE CRISIS. IT IS ARGUED THAT THIS CD POTENTIAL BY SUBSTANTIALLY REDUCING THE NUMBER OF HOSTAGES AND PROVIDING AN IMPROVED RECOVERY CAPABILITY, HAS SOME IMPLICATIONS FOR U.S. DETERRENCE POLICY. THUS, IF DETERRENCE POLICY IS THOUGHT TO REQUIRE A LARGE NUMBER OF URBAN HOSTAGES, IT MAY NEED TO BE REVIEWED IN LIGHT OF THE ABOVE POSSIBILITY. A SURVEY OF THE CD POLICIES AND CAPABILITIES OF THE ABOVE COUNTRIES SUGGESTS THAT A PRIMARY CRISIS CD MEASURE COULD BE AN URBAN EVACUATION TO EXPEDIENT OR IMPROVISED FALLOUT PROTECTION. IN ADDITION, IN SOME CRISIS ENOUGH TIME MIGHT BE AVAILABLE TO MOVE SOME PERSONAL PROPERTY AND PERHAPS SOME CRITICAL INDUSTRIAL RESOURCES OUT OF THE MORE LIKELY TARGET AREAS.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-655 530 15/6 18/1 15/3
STANFORD RESEARCH INST MENLO PARK CALIF

METHODOLOGY FOR ASSESSING TOTAL VULNERABILITY, (U)

AUG 66 176P DRESCH, FRANCIS W. IELLIS,
HAZEL ;
PROJ: SR1-MU-4949-520

UNCLASSIFIED REPORT

DESCRIPTORS: (*VULNERABILITY, *SYSTEMS
ENGINEERING), (*NUCLEAR WARFARE, *THERMONUCLEAR
REACTIONS), ECONOMICS, SOCIOLOGY, POLITICAL
SCIENCE, CULTURE, ATTITUDES, INDUSTRIES,
NUMERICAL ANALYSIS, LABOR UNIONS, LANGUAGE,
SEMANTICS, UNITED STATES GOVERNMENT,
INTERACTIONS, INPUT-OUTPUT DEVICES, CIVIL DEFENSE
SYSTEMS (U)

THE STUDY WAS AN ATTEMPT TO APPLY SYSTEMS ANALYSIS
TO THE STUDY OF TOTAL VULNERABILITY. THE RESULTS
INDICATED THAT THE SYSTEMS CONCEPT COULD BE USED TO
GENERATE, THROUGH AN EXPANSIBLE SEQUENCE OF CHECK
LISTS, MANY PERTINENT QUESTIONS ABOUT THE STRUCTURE
OF OUR SOCIETY AND ITS INTRINSIC VULNERABILITIES.
THE ANALYSIS WAS CENTERED ON THE INDIVIDUAL AS A
POLITICAL, SOCIAL AND ECONOMIC AGENT AND 23 PRIMARY
INSTITUTIONS THAT INTERACT WITH HIM AND WITH EACH
OTHER. THE FIRST STEP WAS TO IDENTIFY AS WELL AS
POSSIBLE ALL INPUT AND OUTPUT VARIABLES FOR THE
INDIVIDUAL AND THE INSTITUTIONS, AND ALL THE SOURCES
OF EACH INPUT AND ALL THE DESTINATIONS FOR EACH
OUTPUT. EXECUTION OF THIS STEP ENCOUNTERED MANY
CONCEPTUAL AND SEMANTIC DIFFICULTIES, AND MADE IT
QUITE CLEAR THAT INITIAL HOPES OF INVESTIGATING
POSSIBLE INTER-RELATIONSHIPS QUANTITATIVELY WERE OVER
OPTIMISTIC OR PREMATURE. THE SYSTEMS DESCRIPTIONS
WERE RELATED TO THE PRIMARY AND SECONDARY EFFECTS OF
THERMONUCLEAR ATTACK. THEY WERE COMPARED WITH MORE
TRADITIONAL DESCRIPTIONS OF THE INSTITUTIONS AND WITH
TWO SIMPLIFIED POSTATTACK SCENARIOS REPRESENTING THE
PRIMARY EFFECTS OF A HEAVY COUNTER FORCE AND A HEAVY
COUNTER INDUSTRY ATTACK. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-659 812 15/3 9/2 5/2
STANFORD RESEARCH INST MENLO PARK CALIF

EOC DATA DISPLAY SYSTEM.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

MAY 67 220P

METZLER, ROBERT E. LAWSON,

MELVIN E., JR.

TASK: 29

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH GAUTNEY
AND JONES COMMUNICATIONS, INC., WASHINGTON, D.
C., REPT. NO. TR-67.022,003.

DESCRIPTORS: (*DISPLAY SYSTEMS, *CIVIL DEFENSE
SYSTEMS), DATA STORAGE SYSTEMS, INFORMATION
RETRIEVAL, CONTROL PANELS, ENVIRONMENT, DATA,
LOGIC CIRCUITS, COLORS

(U)

AN EOC DATA, DISPLAY SYSTEM, DESIGNED TO
RECORD, STORE AND DISPLAY A WIDE VARIETY OF DATA, WAS
DEVELOPED AND FABRICATED. THE SYSTEM CONSISTS OF A
CENTRALIZED CONTROL CONSOLE AND TWO WALL-HUNG DISPLAY
PANELS. THE CONSOLE CONTAINS LOGIC AND MEMORY
CIRCUITS FOR DATA STORAGE AND RETRIEVAL, AND A
CONTROL PANEL FOR EACH OF THE DISPLAY PANELS. DATA
PERTAINING TO ENVIRONMENTAL CONDITIONS IN A
GEOGRAPHICAL AREA OR PERTAINING TO STATUS OF PIECES
OF EQUIPMENT AND FACILITIES MAY BE DISPLAYED WITH A
RESOLUTION OF AS MUCH AS SIXTEEN LEVELS OF STATUS IN
FOUR COLORS ON ONE DISPLAY PANEL. THE OTHER
DISPLAY PANEL PROVIDES THE CAPABILITY TO INDICATE A
POINT, DRAW A LINE OR A BOUNDARY, AND TO BLOCK IN AN
AREA UTILIZING A LIGHT MATRIX CONTROLLED AND
PROGRAMMED FROM THE CONTROL CONSOLE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-661 048 15/3 5/9
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

A SUMMARY OF THE FINAL REPORT LOCAL GOVERNING BODIES;
THEIR RELATION TO CIVIL DEFENSE, (U)

MAR 67 31P KLONGLAN, GERALD E. IBEAL,
GEORGE M. BOHLEN, JOE M. INYE, JOHN R. ;
REPT. NO. RURAL SOCIOLOGY-46-S

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AN EXPLORATORY STUDY OF DEFINITIONS
AND PERFORMANCES OF CIVIL DEFENSE ROLES OF COUNTY BOARD
MEMBERS, MAYORS, AND COUNTY-MUNICIPAL CIVIL DEFENSE
DIRECTORS. SEE ALSO AD-661 060.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *CIVIL DEFENSE
PERSONNEL), (*CIVILIAN PERSONNEL, POLITICAL
SCIENCE), PERFORMANCE(HUMAN), DECISION MAKING,
SURVIVAL, SHELTERS, BUDGETS, TRAINING (U)

LOCAL GOVERNMENT OFFICIALS ARE KEY DECISION-MAKERS
IN THE IMPLEMENTATION OF CIVIL DEFENSE PROGRAMS ON
THE LOCAL LEVEL. AS LOCAL OFFICIALS ARE GIVEN NEW
TASKS IN CIVIL DEFENSE, THEY UNDERSTAND THEIR ROLES
TO VARYING DEGREES. THE REPORT FOCUSES ON (1)
THE EXTENT TO WHICH LOCAL OFFICIALS UNDERSTAND THEIR
OWN CIVIL DEFENSE ROLES, (2) THE EXTENT TO WHICH
THEY UNDERSTAND THE CIVIL DEFENSE ROLES OF OTHER
LOCAL OFFICIALS, (3) THE LOCAL OFFICIALS'
EVALUATIONS OF THEIR OWN CIVIL DEFENSE ROLE
PERFORMANCES, AND (4) THEIR EVALUATIONS OF THE
CIVIL DEFENSE ROLE PERFORMANCES OF OTHER LOCAL
OFFICIALS. FINDINGS ARE STATED. IMPLICATIONS
ARE DRAWN FROM THE FINDINGS FOR CHANGE AGENTS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /4MML7

AD-662 603 15/3 5/1
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

COMMAND AND CONTROL IMPLICATIONS OF THE CONCEPT OF
EMERGENCY OPERATIONS UNDER NUCLEAR ATTACK. (U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,
JUN 67 80P ABERSMAN, ALLEN I. ICUSACK,
BRUCE L. GIBBONS, ROGER D. HANEY, TERENCE
P. HODDY, LEE J. I
REPT. NO. TM-3679

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, COMMAND +
CONTROL SYSTEMS), NUCLEAR WARFARE, URBAN AREAS,
ORGANIZATIONS, CIVIL DEFENSE PERSONNEL, FALLOUT
SHELTERS, MANAGEMENT ENGINEERING, FLOW CHARTING (U)

THE RESULTS OF A STUDY OF THE COMMAND AND CONTROL
IMPLICATIONS OF THE OCD CONCEPT OF EMERGENCY
OPERATIONS UNDER NUCLEAR ATTACK. THE
REPORT DELINEATES THE APPROACH, AND METHODOLOGY USED;
AND PRESENTS THE RESULTS OF TWO MAJOR EFFORTS. THE
FIRST, A STUDY OF THE COMMAND CONTROL AUTHORITIES,
RESPONSIBILITIES, FUNCTIONS AND ASSOCIATED
INFORMATION NEEDS; AND THE SECOND, AN ASSESSMENT OF
THE ROLE OF THE EMERGENCY OPERATING CENTER
UNDER THIS CONCEPT OF OPERATIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-662 781 15/3 5/1
STANFORD RESEARCH INST MENLO PARK CALIF

THE COST AND FEASIBILITY OF EMERGENCY COOPERATION
AMONG LOCAL GOVERNMENTS, (U)

OCT 67 93P MOLL, KENDALL I HIRSHBERG,
RICHARD ;
PROJ: SR1-MU-4949-410

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON CIVIL DEFENSE
ORGANIZATION STUDIES.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *MANAGEMENT
PLANNING), MANAGEMENT ENGINEERING, CIVIL DEFENSE
PERSONNEL, COSTS, FEASIBILITY STUDIES, UNITED
STATES GOVERNMENT, CONTROL, POLITICAL SCIENCE (U)

FROM QUANTITATIVE CONSIDERATIONS OF THE NEED FOR
EMERGENCY INTERACTIONS AMONG LOCAL GOVERNMENT
FUNCTIONS, THE REPORT CONCLUDES THAT AN ESSENTIALLY
NEW FORM OF ORGANIZATION MUST BE PLANNED FOR
EMERGENCY COORDINATION. A NEW ORGANIZATION WILL
REQUIRE ABOUT 200 SPECIALLY TRAINED COORDINATORS IN
SANTA CLARA COUNTY, CALIFORNIA. REALISTIC
PLANNING, RECRUITING, TRAINING, AND TESTING ESTIMATES
FOR SUCH A PROGRAM IMPLY A NATIONAL CIVIL DEFENSE IN
THE ORDER OF \$2 MILLION PER YEAR. ANALYSES OF
THE LEGAL BASIS AND POTENTIAL LOCAL ACCEPTANCE OF
CENTRALIZED COORDINATION IN SANTA CLARA COUNTY
INDICATE THAT AN EMERGENCY ORGANIZATION WOULD BE
FEASIBLE TO ESTABLISH USING CERTAIN PROGRAM
GUIDELINES. FIRST, PROGRAM DIRECT COSTS WOULD BE
MOST ACCEPTABLE IF SUPPORTED BY THE FEDERAL
GOVERNMENT. SECOND, THE ORGANIZATION SHOULD BE
LOCALLY TAILORED TO EXISTING GOVERNMENT STRUCTURES
RATHER THAN PATTERNED UNIFORMLY THROUGHOUT THE
COUNTRY. THIRD, THE ORGANIZATION SHOULD BE
FLEXIBLE TO PERMIT PRE-EMPTION OF LOCAL AUTHORITY IN
PROPORTION TO THE SEVERITY OF THE EMERGENCY.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-663 839 15/3
OFFICE OF CIVIL DEFENSE WASHINGTON D C

CIVIL DEFENSE RESEARCH ANALYSIS. (U)

DESCRIPTIVE NOTE: RESEARCH REPT.,
NOV 67 125P DEVANEY, JOHN F. ;
REPT. NO. OCD-RR-11-REV

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, SCIENTIFIC
RESEARCH); ANALYSIS, EFFECTIVENESS, OPERATIONS
RESEARCH, RESEARCH PROGRAM ADMINISTRATION (U)

THE REPORT PRESENTS A METHOD OF ANALYZING THE CIVIL
DEFENSE RESEARCH PROGRAM TO OBTAIN DATA FOR USE IN
PREPARING STATE-OF-THE-ART REVIEWS, IN PROGRAMMING,
AND FOR OTHER PURPOSES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-664 178 15/3 5/4
TECHNICAL OPERATIONS INC ARLINGTON VA WASHINGTON RESEARCH
CENTER

SCENARIO-GAME MODEL FOR THE EXERCISE AND EVALUATION
OF NATIONAL LEVEL CIVIL DEFENSE SYSTEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
NOV 67 103P HARDICK, W. L. ; GUTHRIE, P.
G. ; HOBSON, V. W. , JR. ; MATIAS, J. I
REPT. NO. TOI-TR-67-4
CONTRACT: DAMC20-67-C-0160

UNCLASSIFIED REPORT

DESCRIPTORS: (NATIONAL DEFENSE, CIVIL DEFENSE
SYSTEMS), (CIVIL DEFENSE SYSTEMS,
MODELS(SIMULATIONS)), GAME THEORY, DECISION
MAKING, POLITICAL SCIENCE, MILITARY STRATEGY, COLD
WAR, NUCLEAR WARFARE, LEADERSHIP, DETERRENCE,
ARMS CONTROL, WARNING SYSTEMS, MANPOWER,
VULNERABILITY (U)
IDENTIFIERS: SCENARIOS (U)

THE MODEL WAS DEVELOPED IN RESPONSE TO A
REQUIREMENT ESTABLISHED BY THE OFFICE OF CIVIL
DEFENSE (OCD), DEPARTMENT OF THE ARMY. ITS
PURPOSE IS TO PROVIDE A GAMING ORGANIZATION AND
METHODOLOGY FOR EXERCISING AND EVALUATING CIVIL
DEFENSE SYSTEMS WITHIN THE CONTEXT OF REALISTIC AND
CREDIBLE CHANGES IN INTERNATIONAL TENSIONS AND CRISES
BUILDUPS. SINCE THE GAME MODEL IS DESIGNED FOR
A BROAD SCOPE OF OCD TEST REQUIREMENTS AT THE
NATIONAL LEVEL, ITS FEATURES BUILT-IN FLEXIBILITY,
THE EMPLOYMENT OF AGGREGATION TECHNIQUES, BROADLY
CONTROLLED FREE PLAY, AND RELIANCE ON THE INTUITIVE
JUDGMENT OF GAME PARTICIPANTS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-664 753 5/3 15/3
INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA PROGRAM
ANALYSIS DIV

ECONOMIC RELATIONSHIPS IN THE NEW ORLEANS
METROPOLITAN AREA.

(U)

DESCRIPTIVE NOTE: RESEARCH PAPER;
JUL 67 63P FAUCETT, JACK IKELLEHER, GRACE
J. I
REPT. NO. RP-P-347
TASK: 4131A
MONITOR: IDA/HQ 67-6832

UNCLASSIFIED REPORT

DESCRIPTORS: (ECONOMICS, URBAN AREAS), (CIVIL
DEFENSE SYSTEMS, LOUISIANA), INDUSTRIES,
FEASIBILITY STUDIES, POPULATION, FALLOUT SHELTERS,
INDUSTRIAL PRODUCTION, COMMERCE, MONEY,
INVENTORY ANALYSIS, MOBILIZATION, MATHEMATICAL
ANALYSIS, CONSUMPTION, LABOR, TABLES

(U)

THE PAPER PRESENTS 1963 INTERINDUSTRY TRANSACTIONS
DATA AND COEFFICIENTS FOR THE NEW ORLEANS
STANDARD METROPOLITAN STATISTICAL AREA IN THE
SAME FORM AS THE 1958 NATIONAL INTERINDUSTRY TABLE
PREPARED BY THE OFFICE OF BUSINESS ECONOMICS,
U.S. DEPARTMENT OF COMMERCE. THE DATA ARE
PRESENTED IN FIVE LARGE (REMOVABLE) TABLES;
INTERINDUSTRY TRANSACTIONS, DIRECT
REQUIREMENTS PER DOLLAR OF GROSS OUTPUT,
TOTAL REQUIREMENTS (DIRECT AND INDIRECT)
PER DOLLAR OF DELIVERY TO FINAL DEMAND,
IMPORTS BY PRODUCING SECTORS, AND DIRECT
IMPORT REQUIREMENTS PER DOLLAR OF GROSS
OUTPUT. THE TEXT OF THE REPORT DESCRIBES THE
MATRICES AND GIVES EXAMPLES OF HOW THEY ARE USED.
A COMPARATIVE ANALYSIS OF RESULTS DERIVED FOR NEW
ORLEANS USING THE NATIONAL AND LOCAL INPUT-OUTPUT
DATA IS INCLUDED TO DEMONSTRATE THE VALUE OF A
REGIONAL ECONOMICS SURVEY FOR PURPOSES SUCH AS CIVIL
DEFENSE PLANNING. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-665 383 15/3 5/10 5/11
SIMULMATICS CORP CAMBRIDGE MASS

COMMUNITY INTERACTION GAME.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 19 MAY-27 DEC 67,
DEC 67 72P YATES, JULES DAVID ;
CONTRACT: DAHC20-67-C-0103

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GAME
THEORY), (GROUP DYNAMICS, INTERACTIONS),
SOCIAL PSYCHOLOGY, SIMULATION, BEHAVIOR,
ATTITUDES, DISASTERS, TRAINING, PUBLIC OPINION,
DECISION MAKING, ORGANIZATIONS,
STRESS (PSYCHOLOGY), SOCIAL COMMUNICATION

(U)

THE REPORT DESCRIBES THE RESULTS OF A STUDY WHICH
IS PART OF THE OFFICE OF CIVIL DEFENSE'S
RESEARCH INTO THE PROCESS OF ADOPTION-DIFFUSION IN
FUTURE STRATEGY ENVIRONMENTS. THE SIMULMATICS
TEAM WAS DIRECTED BY THE STATEMENT OF WORK TO:
'DEVELOP A HUMAN SIMULATION EXPERIMENT IN THE FORM
OF A GAME TO BE USED AS A DEVICE FOR GAINING NEW
INSIGHTS ABOUT HUMAN BEHAVIOR IN CRISIS PERIODS AND
AS A TRAINING AID. THE GAME PROCEDURE WILL ATTEMPT
TO FURTHER SYNTHESIZE RESEARCH FINDINGS ABOUT THE
FUNCTION OF COMMUNITY POWER STRUCTURE IN IMPLEMENTING
CIVIL DEFENSE PROGRAMS AND THE LIKELY EFFECTS OF
HEIGHTENED INTERNATIONAL CRISIS ON THE EXPECTATIONS,
ATTITUDES AND BEHAVIOR OF PEOPLE.' A METHODOLOGY
WAS EXPLORED FOR SIMULATING BEHAVIOR WITHIN A
FRAMEWORK DESCRIBING THE FUNCTIONING OF A COMMUNITY
POWER STRUCTURE. THE TECHNIQUE EMPLOYED WAS THAT
OF A GAME, WHICH WOULD CAUSE PARTICIPANTS TO BE
INVOLVED IN INTERACTIONS RESULTING FROM THEIR OWN
ACTIONS AND DECISIONS. PART I OF THIS REPORT IS
A DISCUSSION OF THE INITIAL CONCEPTS AND BASES FOR
THE GAME. PART II AND III DISCUSS THE FIRST
BASIC SIMPLIFICATION AND THE CHANGE OF STRESS OF THE
GAME. PART IV IS THE FINAL VERSION OF THE GAME.
(AUTHOR)

(U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-665 637 15/3 5/9
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

A MODEL LOCAL CIVIL DEFENSE TRAINING PLAN: AN
ORGANIZATION AND TRAINING DEVELOPMENT RESEARCH
STUDY.

(U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,
AUG 67 175P BRICTON, R. C. IBUSTYA, C.
ISTREICH, E. R. I
REPT. NO. TM-3802

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, TRAINING),
CIVIL DEFENSE PERSONNEL, OPERATIONAL READINESS,
MANPOWER, MODELS(SIMULATIONS), DISASTERS,
MANAGEMENT PLANNING, NUCLEAR WARFARE, URBAN AREAS,
ADVANCED PLANNING, TEACHING METHODS, FLOW
CHARTING

(U)

UTILIZING THE DATA OBTAINED AND FUNCTIONAL
CATEGORIES DERIVED FROM THE FEDERAL CIVIL
DEFENSE GUIDE EMERGENCY ACTIONS AND CONTROL
AND SUPPORT FUNCTIONS, AN ANALYSIS OF THE
EMERGENCY TASKS OF A MODEL LOCAL CIVIL DEFENSE
OPERATION IS PERFORMED, TRAINING REQUIREMENTS
SPECIFIED, PERSONNEL TO BE TRAINED DESIGNATED, AND
TRAINING METHODS DESCRIBED. THE TRAINING REQUIRED,
PERSONNEL DESIGNATED AND TRAINING METHODS SPECIFIED
ARE RELATED TO THE OPERATIONAL TASKS IN EACH OF THREE
TIME PERIODS: NORMAL, INCREASED READINESS AND
ACTUAL EMERGENCY. ONE EMERGENCY ACTION CATEGORY --
MEDICAL AID -- IS ANALYZED IN DEPTH UTILIZING A
MULTI-LAYERED CONCEPT OF FLOW DIAGRAMMING.
FINALLY, SUGGESTIONS FOR FURTHER RESEARCH ARE
PRESENTED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-668 938 15/3 15/6
STANFORD RESEARCH INST MENLO PARK CALIF

A STATISTICAL INFORMATION SYSTEM FOR ESTIMATING THE
MAGNITUDE AND SCOPE OF NUCLEAR ATTACKS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
FEB 68 97P RODDEN, ROBERT M. THOMPSON,
CHARLES R. MIERCORT, FREDERIC A. ;
PROJ: SR1-4949-680
MONITOR: OCD 4615A

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, •DATA
PROCESSING SYSTEMS), (•NUCLEAR WARFARE, •DAMAGE
ASSESSMENT), STATISTICAL ANALYSIS, NUCLEAR
EXPLOSION DAMAGE, SURVIVAL, POPULATION, DECISION
MAKING, APPROXIMATION (MATHEMATICS), REAL TIME,
SAMPLING, FLOW CHARTING, ACCURACY, PATTERN
RECOGNITION, LEAST SQUARES METHOD (U)

THIS RESEARCH DEVELOPS CONCEPTS, FLOW DIAGRAMS, AND
STATISTICAL METHODOLOGY FOR AN INFORMATION SYSTEM TO
ESTIMATE THE MAGNITUDE AND SCOPE OF NUCLEAR ATTACKS.
THE SYSTEM IS DESIGNED TO OPERATE IN THE
TRANSATTACK AND IMMEDIATE POSTATTACK PERIODS WHEN
DATA ON THE ATTACK CAN BE EXPECTED TO BE INCOMPLETE
AND INACCURATE. THE UNDERLYING PRINCIPLE IN
ESTIMATING ATTACK SIZE IS THAT OF STATISTICAL
INFERENCE, WHICH PERMITS AN ESTIMATE TO BE MADE OF
THE TOTAL ATTACK FROM INFORMATION ON A SAMPLE OF THE
ATTACK ONLY. HEURISTIC DECISION RULES ARE APPLIED
AS NEEDED TO MAKE THE SYSTEM OPERABLE. IT IS
DEMONSTRATED HOW THE TARGET SYNTHESIS PROCEDURE THUS
DEVELOPED MAY BE COUPLED TO A VARIETY OF SURVIVAL
ESTIMATING TECHNIQUES TO YIELD SURVIVAL ESTIMATES.
THE RESEARCH ALSO DEVELOPS STATISTICAL METHODOLOGY
FOR PROCESSING REPORTS OF NUCLEAR DETONATIONS.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-669 989 15/3 5/10
DEPARTMENT OF THE NAVY WASHINGTON D C

ACTIONS OF THE POPULATION IN A RURAL AREA WHEN THE
CIVIL DEFENSE SIGNALS ARE GIVEN, (U)

MAY 68 18P ISAKOV, G. P. ;
REPT. NO. TRANS-2600

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: TRANS. OF MONO. DEISTVIYA
NA SELENIYA PO SIGNALAM GRAZHDANSKOI OBORONY V
SELSKOI MESTNOSTI, MOSCOW, 1967 P1-22.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, USSR),
(•GROUP DYNAMICS, CIVIL DEFENSE SYSTEMS),
POPULATION, RURAL AREAS, WARNING SYSTEMS,
INSTRUCTION MANUALS, TIME, MASKING, AIR, EYE,
SHOCK WAVES, REACTION (PSYCHOLOGY), BIOLOGICAL
WARFARE, CHEMICAL WARFARE, MEDICAL SUPPLIES,
CHEMICALS, PROTECTIVE COVERINGS, CONTAINERS,
WATER SUPPLIES, RADIO COMMUNICATION SYSTEMS, FOOD,
EVACUATION (U)
IDENTIFIERS: TRANSLATIONS (U)

THE DOCUMENT COVERS INFORMATION CITIZENS SHOULD
HAVE IN ORDER TO PREPARE FOR DEFENSE AGAINST WEAPONS
OF MASS DESTRUCTION, AND TO KNOW WHAT TO DO WHEN
CIVIL DEFENSE SIGNALS ARE GIVEN AS WELL AS DURING THE
ELIMINATION OF THE EFFECTS OF THE ENEMY ATTACK.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-670 016 5/11 15/3
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

A COMPARATIVE ANALYSIS OF COMMUNITY POWER STRUCTURES.
A DELINEATION AND COMPARATIVE ANALYSIS OF POWER
STRUCTURES IN FIVE IOWA COMMUNITIES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
AUG 67 346P BOHLEN, JOE M. ; BEAL, GEORGE
M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;
REPT. NO. RURAL SOCIOLOGY-50
CONTRACT: DAHC20-67-C-0123

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-670 017.

DESCRIPTORS: (*SOCIOLOGY, *CIVIL DEFENSE SYSTEMS),
LEADERSHIP, SOCIAL PSYCHOLOGY, SOCIOMETRICS,
ATTITUDES, DECISION MAKING,
PERCEPTION (PSYCHOLOGY), CIVIL DEFENSE PERSONNEL,
POWER, STATISTICAL ANALYSIS, IOWA (U)
IDENTIFIERS: *COMMUNITY POWER STRUCTURES (U)

THE LOCAL COMMUNITY IS CONCEPTUALIZED AS A SOCIAL SYSTEM. ONE OF THE ELEMENTS OF THE SOCIAL SYSTEM IS SOCIAL POWER. A SOCIAL POWER MODEL IS DEFINED WHICH MAY BE USED BY LOCAL CIVIL DEFENSE CHANGE AGENTS FOR ANALYZING SOCIAL POWER IN THEIR COMMUNITIES. THE MAJOR CONCEPTS OF THE SOCIAL POWER MODEL ARE SOCIAL POWER, AUTHORITY, INFLUENCE, POWER STRUCTURE, AND POWER ACTORS. THE COMMUNITY MEMBERS WHO HAVE SOCIAL POWER AND AFFECT THE COMMUNITY DECISION-MAKING PROCESS ARE DESIGNATED AS POWER ACTORS. THE INTERRELATIONSHIPS OF THE MAJOR CONCEPTS ARE STATED AS GENERAL HYPOTHESES. THE SOCIAL POWER MODEL WAS OPERATIONALIZED IN FIVE IOWA COMMUNITIES. THE COMMUNITY POWER ACTORS IN EACH COMMUNITY WERE INTERVIEWED. THE COMMUNITY ACTORS PERCEIVED THAT SOCIAL POWER EXISTED IN THE COMMUNITY. THE COMMUNITY POWER ACTORS EXERCISED SOCIAL POWER TO AFFECT THE OUTCOMES OF COMMUNITY ISSUE AREAS. THEY WERE FOUND TO HAVE SIMILAR PERSONAL AND SOCIAL CHARACTERISTICS. THE POWER ACTORS HAD A STRUCTURE IN THEIR INTERPERSONAL RELATIONS. THE POWER STRUCTURES TENDED TO VARY BY ISSUE AREA TO A GREATER EXTENT AS THE SIZE OF THE COMMUNITY INCREASED. IN THE SMALLER COMMUNITIES, THE TOP POWER ACTORS TENDED TO BE HOLDING POSITIONS OF AUTHORITY, WHILE THE TOP POWER ACTORS IN THE LARGER COMMUNITIES TENDED TO NOT BE IN POSITIONS OF AUTHORITY AT THE PRESENT TIME. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-670 017 5/11 15/3
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

A COMPARATIVE ANALYSIS OF COMMUNITY POWER STRUCTURES:
A DELINEATION AND COMPARATIVE ANALYSIS OF POWER
STRUCTURES IN FIVE IOWA COMMUNITIES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
AUG 67 68P BOHLEN, JOE M. ; BEAL, GEORGE
M. ; KLONGLAN, GERALD E. ; ITAIT, JOHN L. ;
REPT. NO. RURAL SOCIOLOGY-505
CONTRACT: DAHC20-67-C-0123
MONITOR: OCD 4811-E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-670 016.

DESCRIPTORS: (*SOCIOLOGY, *CIVIL DEFENSE SYSTEMS),
LEADERSHIP, SOCIAL PSYCHOLOGY, SOCIOMETRICS,
ATTITUDES, DECISION MAKING,
PERCEPTION (PSYCHOLOGY), CIVIL DEFENSE PERSONNEL,
POWER, STATISTICAL ANALYSIS, IOWA (U)
IDENTIFIERS: *COMMUNITY POWER STRUCTURES (U)

THE LOCAL COMMUNITY IS CONCEPTUALIZED AS A SOCIAL
SYSTEM. ONE OF THE ELEMENTS OF THE SOCIAL SYSTEM
IS SOCIAL POWER. A SOCIAL POWER MODEL IS DEFINED
WHICH MAY BE USED BY LOCAL CIVIL DEFENSE CHANGE
AGENTS FOR ANALYZING SOCIAL POWER IN THEIR
COMMUNITIES. THE MAJOR CONCEPTS OF THE SOCIAL
POWER MODEL ARE SOCIAL POWER, AUTHORITY, INFLUENCE,
POWER STRUCTURE, AND POWER ACTORS. THE COMMUNITY
MEMBERS WHO HAVE SOCIAL POWER AND AFFECT THE
COMMUNITY DECISION-MAKING PROCESS ARE DESIGNATED AS
POWER ACTORS. THE INTERRELATIONSHIPS OF THE MAJOR
CONCEPTS ARE STATED AS GENERAL HYPOTHESES. THE
SOCIAL POWER MODEL WAS OPERATIONALIZED IN FIVE IOWA
COMMUNITIES. THE COMMUNITY POWER ACTORS IN EACH
COMMUNITY WERE INTERVIEWED. THE COMMUNITY ACTORS
PERCEIVED THAT SOCIAL POWER EXISTED IN THE COMMUNITY.
THE COMMUNITY POWER ACTORS EXERCISED SOCIAL POWER
TO AFFECT THE OUTCOMES OF COMMUNITY ISSUE AREAS.
THEY WERE FOUND TO HAVE SIMILAR PERSONAL AND SOCIAL
CHARACTERISTICS. THE POWER ACTORS HAD A STRUCTURE
IN THEIR INTERPERSONAL RELATIONS. THE POWER
STRUCTURES TENDED TO VARY BY ISSUE AREA TO A GREATER
EXTENT AS THE SIZE OF THE COMMUNITY INCREASED. IN
THE SMALLER COMMUNITIES, THE TOP POWER ACTORS TENDED
TO BE HOLDING POSITIONS OF AUTHORITY, WHILE THE TOP
POWER ACTORS IN THE LARGER COMMUNITIES TENDED TO NOT (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-670 986 15/3 11
MICHIGAN STATE UNIV EAST LANSING DEPT OF
COMMUNICATION

A PILOT STUDY OF YOUNG AMERICANS' RELIEFS AND
KNOWLEDGE ABOUT CIVIL DEFENSE.

(U)

DESCRIPTIVE NOTE: PRELIMINARY REPT. NO. 1,
MAR 68 39P GREENBERG, BRADLEY S. ;
DOMINICK, JOSEPH R. ; RAZINSKY, EDWARD I
CONTRACT: DAHC20-67-C-0119
MONITOR: OCD 4831-C

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, •PUBLIC
OPINION), ATTITUDES, ADOLESCENTS, STUDENTS,
SOCIAL COMMUNICATION, FALLOUT SHELTERS

(U)

THE STUDY SOUGHT ANSWERS TO TWO QUESTIONS:
(1) WHAT IS THE DIFFERENCE BETWEEN TWO GROUPS
OF TEENAGERS IN TERMS OF CD INFORMATION AND
ATTITUDES, WHERE ONE GROUP HAS BEEN EXPOSED TO AN
INTENSIVE IN-SCHOOL CIVIL DEFENSE PROGRAM, AND
(2) WHAT DIFFERENCES IN INFORMATION AND
ATTITUDES EXIST BETWEEN YOUNGER AND OLDER TEENAGERS
(14 VS. 17-YEAR-OLDS). THE PRINCIPAL POSITIVE
EFFECTS OF THE SCHOOL CIVIL DEFENSE PROGRAM WERE IN
TERMS OF INFORMATIONAL AND COMMUNICATION BEHAVIORS.
THE YOUNG PEOPLE WERE BETTER INFORMED, USED MORE
AND DIFFERENT SOURCES OF INFORMATION, TALKED MORE
ABOUT CD AND SHELTERS, AMONG OTHER BEHAVIORS. TO
THE EXTENT THAT AGE MAKES A DIFFERENCE, IT APPEARS TO
MANIFEST ITSELF IN SOMEWHAT LESS FAVORABLE CD
ATTITUDES. THE YOUNGSTERS WHO HAD BEEN EXPOSED TO
A SYSTEMATIC PROGRAM OF INFORMATION THOUGHT MORE
FAVORABLY ABOUT CIVIL DEFENSE ALONG SEVERAL
DIMENSIONS. THEY RATED CIVIL DEFENSE AS WISER,
MORE IMPORTANT, MORE INTERESTING, BOLDER, SAFER, AND
MORE EXPENSIVE, THAN DID THE OTHER TEENAGERS.
THEIR JUDGMENTS WERE MORE INTENSE. NONE OF THESE
JUDGMENTS WERE NEGATIVE ONES. IT WAS THAT THE
GROUP WITH MORE INFORMATION WAS RELATIVELY MORE
FAVORABLE IN ITS ASSESSMENT OF CD AS A TOPIC.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-681 273 15/3 12/2
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND
ECONOMICS DIV

CIVIL DEFENSE OPERATING SYSTEM SYNTHESIS:
COUNTERMEASURES MODEL.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
OCT 68 69P HENDRY, ROBERT N. ;
REPT. NO. RTI-R-OU-371-1

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, SYSTEMS
ENGINEERING), MATHEMATICAL MODELS,
COUNTERMEASURES, MISSION PROFILES, FLOW CHARTING,
MANAGEMENT PLANNING, MANAGEMENT CONTROL SYSTEMS,
COSTS

(U)

SYNTHESIS OF A COMPATIBLE LOCAL CIVIL DEFENSE
SYSTEM INVOLVES A DEFINITION OF THE MISSIONS,
OPERATIONS, COMPONENTS, ORGANIZATION, PERFORMANCE
CHARACTERISTICS, AND BENEFITS (OUTPUTS) TO AN
APPROPRIATE LEVEL OF DETAIL. THE SYNTHESIZED
STRUCTURE IS DESIGNED TO SOLVE IN A DYNAMIC WAY AN
ALLOCATION PROBLEM INVOLVING RESOURCE CONSUMPTION AND
DEPLOYMENT STRATEGIES. THE BASIC COUNTERMEASURES
MODEL CONCEPT IS DESCRIBED SHOWING ITS RELATIONSHIP
TO THE TARGET'S UNIT AREAS AND THE PROBLEM-SOLVING
DEMANDS OCCURRING WITHIN THEM. MEASURES OF
COUNTERMEASURE BENEFITS ARE INDICATED AS OUTPUTS FROM
THE MODEL. BENEFITS ARE VIEWED AS THE GAIN
MEASURED BY THE DIFFERENCE BETWEEN RESOURCE LOSSES
RESULTING FROM COMPETING COUNTERMEASURES. SYSTEM
OPERATING CYCLES, INFORMATION FLOW, AND THE GENERAL
COUNTERMEASURE MODEL ANALYTICAL PROCESS ARE DESCRIBED
BRIEFLY TO CLARIFY THIS APPROACH TO SYSTEM
EVALUATION. LOCAL AND NATIONAL MODEL
INTERRELATIONSHIPS ARE IDENTIFIED IN ORDER TO INSURE
COMPATIBILITY WITH NATIONAL MODEL DEVELOPMENT
STUDIES. (AUTHOR)

(U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-684 936 15/3 6/8
STANFORD RESEARCH INST MENLO PARK CALIF

NEW RATION CONCEPTS.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 15 MAR 68-1 FEB 69,
FEB 69 36P TATE, J. NORMAN, JR.;
MATHEWS, RICHARD D.; STONE, HERBERT I
CONTRACT: DAHC20-67-C-0136
PROJ: SRI-6300-150

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *FOOD),
COSTS, PROTEINS, AMINO ACIDS, VITAMINS,
STORAGE, ACCEPTABILITY
IDENTIFIERS: *RATIONS

(U)

(U)

A RATION FOR USE IN THE OFFICE OF CIVIL
DEFENSE RATION PROGRAM WAS DEVELOPED. THE
PRODUCT WAS FORMULATED FROM WHOLE WHEAT FLOUR,
CASHEW, BAKING POWDER, SODIUM CHLORIDE, SUCROSE, FAT,
YEAST, WATER, AND SMALL AMOUNTS OF OTHER INGREDIENTS.
A DAILY PORTION CONTAINED 900 CALORIES AND 18.58
PROTEIN, AND MET ALL THE REQUIREMENTS FOR THE
ESSENTIAL AMINO ACIDS. THE COST OF THE PRODUCT WAS
ESTIMATED TO BE APPROXIMATELY 11 CENTS PER MAN-DAY.
PRELIMINARY RAT NUTRITION STUDIES WERE
CONDUCTED.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-685 881 5/11 15/3 5/1
HUMAN SCIENCES RESEARCH INC MCLEAN VA

INDICATORS OF SOCIAL VULNERABILITY; SOCIAL
INDICATORS IN CIVIL DEFENSE PLANNING AND
EVALUATION.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
AUG 68 324P VERTERMARK, S. D., JR;
GREER, SCOTT; KORNHAUSER, WILLIAM; SWEEN, JOYCE;
WINCH, ROBERT;
REPT. NO. HSR-RR-68/12-BE
CONTRACT: DAHC20-67-C-0136

UNCLASSIFIED REPORT

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

(U)

(U)

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)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-686 303 15/3 5/10 5/11
MICHIGAN STATE UNIV EAST LANSING DEPT OF
COMMUNICATION

CORRELATES OF YOUNG AMERICANS' BELIEFS AND
KNOWLEDGE ABOUT CIVIL DEFENSE,

(U)

OCT 68 SIP GREENBERG, BRADLEY S. ;
DOMINICK, JOSEPH R. ;
REPT. NO. 2, BG-5
CONTRACT: DAHC20-67-C-0119

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-670 986.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *PUBLIC
OPINION), ATTITUDES, ADOLESCENTS, STUDENTS,
SOCIAL COMMUNICATION, FALLOUT SHELTERS, COSTS,
DECISION MAKING, MOTIVATION, QUESTIONNAIRES

(U)

THIS STUDY EXAMINED CERTAIN COMMUNICATION BEHAVIORS
AND ATTITUDINAL BEHAVIORS OF TEEN-AGERS AND THEIR
CONCEPTIONS OF CIVIL DEFENSE AND FALLOUT SHELTERS.
THREE ASPECTS OF COMMUNICATION ACTIVITY WERE
EXAMINED--NUMBER OF SOURCES FOR CIVIL DEFENSE
INFORMATION, COMMUNICATED INTEREST IN CIVIL DEFENSE
AND KNOWLEDGE ABOUT CIVIL DEFENSE. TWO OF THE
ABOVE BEHAVIORS--USING MANY SOURCES OF CD
INFORMATION AND MUCH COMMUNICATED INTEREST IN CD--
WERE HIGHLY INTERCORRELATED. BOTH WERE ALSO
ASSOCIATED WITH MORE MASS MEDIA USE, FREQUENT FAMILY
INTERACTION, AND MORE SCHOOL CD ACTIVITIES. THEY
WERE ALSO ASSOCIATED WITH POSITIVE ATTITUDES TOWARD
CD. KNOWLEDGE ABOUT CD COULD NOT BE WELL
EXPLAINED BY THE VARIABLES IN THE PRESENT STUDY.
WITH REGARD TO THE TEEN-AGERS' ATTITUDES TOWARD
CIVIL DEFENSE AND FALLOUT SHELTERS, THE TWO CRITICAL
ATTITUDINAL AREAS WERE THE INDIVIDUAL'S GENERAL
EVALUATION OF SHELTERS AND THE ATTITUDES HE PERCEIVED
HIS PARENTS TO HAVE. EACH OF THREE SPECIFIC
ASPECTS OF SHELTER ATTITUDES--PROTECTION, CONDITIONS
INSIDE, AND COSTS--WAS STRONGLY INTER-RELATED WITH
BOTH THE TEEN-AGER'S OWN EVALUATION AND HIS
PERCEPTION OF HIS PARENT'S ATTITUDES. (AUTHOR)

(U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-687 296 15/3 5/11
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

AMERICANS' PERCEPTIONS OF THE INTERNATIONAL AND
CIVIL DEFENSE ENVIRONMENTS: 1968.

(U)

DESCRIPTIVE NOTE: SUMMARY REPT.,
SEP 68 SUP MAST, ROBERT H. LAULICHT,
JEROME KNESTRICK, ROY VIETTHALER, ERICH
GLUCKMAN, BARBARA
CONTRACT: DAHC20-67-C-0122, NSF-611309

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON AMERICANS' VIEWS ABOUT
CIVIL DEFENSE ISSUES.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC
OPINION), ATTITUDES, PATTERN RECOGNITION, THREAT
EVALUATION, COMMUNISM, WARFARE, GUIDED MISSILES,
DISARMAMENT, PROBLEM SOLVING, PREDICTIONS,
BUDGETS, EFFECTIVENESS, REVIEWS
IDENTIFIERS: INTERNATIONAL RELATIONS

(U)

(U)

THE REPORT EXAMINES ORIENTATIONS OF THE AMERICAN
PUBLIC ON ISSUES RELEVANT TO THE INTERNATIONAL AND
CIVIL DEFENSE ENVIRONMENTS IN THE SUMMER OF 1968.
THE DATA WERE OBTAINED FROM A NATIONAL SURVEY OF
APPROXIMATELY 1500 RESPONDENTS. WHERE POSSIBLE,
FINDINGS FROM PAST SIMILAR SURVEYS WERE COMPARED WITH
THE 1968 DATA. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO: /ZMML7

AD-687 297 15/3
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

CITIES AND CIVIL DEFENSE: AN ECOLOGICAL APPROACH TO
THE ANALYSIS OF CIVIL DEFENSE DATA. (U)

DESCRIPTIVE NOTE: SUMMARY REPT.,
SEP 68 69P MYERS, HOWARD P. ;
CONTRACT: DAMC20-67-C-0122

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON AMERICANS' VIEWS ABOUT
CIVIL DEFENSE ISSUES.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *PUBLIC
OPINION), STATISTICAL ANALYSIS, URBAN AREAS,
FALLOUT SHELTERS, SURVIVAL,
REACTION (PSYCHOLOGY), ECOLOGY, ATTITUDES,
POPULATION (U)

IN A STUDY IN WHICH ECOLOGICAL AND CIVIL DEFENSE
VARIABLES ARE CROSS-TABULATED, IT IS FOUND THAT
POPULATIONS OF CITIES THAT ARE RELATIVELY UNSTABLE,
MOBILE, AND IMMATURE ARE LIKELY TO DISPLAY A
POTENTIAL FOR CIVIL DEFENSE ACTION, FAVORABLE
EVALUATION OF FALLOUT SHELTERS IN PARTICULAR AND
CIVIL DEFENSE IN GENERAL, PERCEPTION OF LOCAL DANGER
AND CHANCES OF SURVIVAL, AND A MARKED LEANING TOWARD
CIVIL DEFENSE WHEN RELATED ISSUES IN THE BROADER
CONTEXT OF NATIONAL AND INTERNATIONAL AFFAIRS ARE
CONSIDERED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-687 381 15/3 5/11
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

CIVIL DEFENSE FAVORABILITY; A CRITICAL
ANALYSIS.

(U)

DESCRIPTIVE NOTE: SUMMARY REPT.,
JUL 68 46P MYERS, HOWARD P. ;
CONTRACT: DAMC20-67-C-0122, NSF-G11309

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC
OPINION), STATISTICAL ANALYSIS, PROTECTION,
NUCLEAR EXPLOSIONS, FALLOUT SHELTERS, SOCIOLOGY,
ATTITUDES

(U)

BY LOCATING PEOPLE IN TERMS OF A DISTINCTION
BETWEEN CIVIL DEFENSE FAVORABILITY AS A SOCIAL
PRESCRIPTION AND CIVIL DEFENSE FAVORABILITY AS A
SOCIAL ISSUE, IT WAS POSSIBLE TO SPECIFY TENDENCIES
IN TERMS OF THE VARIABLES THAT WERE THE FOCUS OF THIS
ANALYSIS. HIGHLY INFORMED PEOPLE WHO DISAGREED
THAT THE POWERS OF THE FEDERAL GOVERNMENT ARE
EXCESSIVE SHOWED TENDENCIES TO OBSERVE SOCIAL
PRESCRIPTIONS (TOOK PROTECTIVE STEPS IN THE CASE OF
NUCLEAR ATTACK) AND TO SUPPORT SOCIAL ISSUES
(FAVORED THE BUILDING OF FALLOUT SHELTERS).
LOWLY INFORMED PEOPLE WHO AGREED THAT THE POWERS
ARE EXCESSIVE SHOWED JUST THE OPPOSITE TENDENCIES.
PEOPLE WHO WERE HIGHLY INFORMED BUT WHO AGREED AND
PEOPLE WHO WERE LOWLY INFORMED BUT WHO DISAGREED
SHOWED MIXED TENDENCIES. FOR THE LATTER, SUPPORT
FOR SHELTER BUILDING WAS LARGELY A CONVENTIONALIZED
RESPONSE. FOR THE FORMER, OPPOSITION WAS NOT A
REFLECTION OF DEFIANCE TOWARDS A PARTICULAR SOCIAL
INSTITUTION. IT WAS THE ARTICULATION OF A POSITION
IN WHICH A CERTAIN CONTROVERSY WAS PERCEIVED.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-689 462 15/3
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

INTRA EOC SYSTEMS ANALYSIS.

(U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,
MAY 69 78P GAYDOS, HENRY F. ;
REPT. NO. SDC-TM-L-4202/001/00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH
STANFORD RESEARCH INST., MENLO PARK, CALIF.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, OPERATIONAL
READINESS), ANALYSIS, MANAGEMENT ENGINEERING,

COMMUNICATION SYSTEMS, SYSTEMS ENGINEERING

(U)

IDENTIFIERS: •EMERGENCY OPERATIONS CENTERS

(U)

THE SIGNIFICANT FACTORS INVOLVED IN EXPEDITING THE
FLOW OF INFORMATION THROUGH A CIVIL DEFENSE
EMERGENCY OPERATIONS CENTER, AND THEIR
IMPLICATIONS FOR ANALYSIS AND RESOLUTION OF PROBLEM
AREAS ARE PRESENTED AND DISCUSSED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-691 134 15/3 15/6
STANFORD RESEARCH INST MENLO PARK CALIF

EVALUATION OF CIVIL DEFENSE OPERATIONAL
CONCEPTS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
NOV 68 SIP LAURINO, RICHARD ; KAMRADT, C.
ALEXANDER ;
CONTRACT: DAHC20-67-C-0116
PROJ: SRI-MU-6250-U20

UNCLASSIFIED REPORT

DESCRIPTORS: (*NUCLEAR WARFARE, CIVIL DEFENSE
SYSTEMS), (*CIVIL DEFENSE SYSTEMS,
*COUNTERMEASURES), DAMAGE ASSESSMENT, NUCLEAR
EXPLOSION DAMAGE, FIRES, EXPLOSION EFFECTS,
VULNERABILITY, RADIATION HAZARDS, NUCLEAR WARFARE
CASUALTIES, FALLOUT SHELTERS, AIRBURST, SURFACE
BURST, RADIOACTIVE FALLOUT, DOSE RATE, STATISTICAL
DATA, CIVIL DEFENSE PERSONNEL (U)
IDENTIFIERS: BOS(BASIC OPERATING SITUATIONS), (U)
BASIC OPERATING SITUATIONS

THE CONCEPTS OF CIVIL DEFENSE OPERATIONAL PLANNING
FOR THE TRANSATTACK PERIOD ON THE BASIS OF EXPECTED
OPERATIONAL SITUATIONS OR CONTINGENCIES ARE REVIEWED.
NINE SITUATIONS BASED ON COMBINATIONS OF SELECTED
LEVELS OF FALLOUT INTENSITIES AND WEAPON-CAUSED FIRES
ARE CONSIDERED, INCLUDING ONE SITUATION INVOLVING NO
WEAPONS EFFECTS. THE REQUIRED EMERGENCY OPERATIONS
ATTENDANT TO EACH SITUATION ARE IDENTIFIED. THE
GEOGRAPHICAL AREA FOR WHICH OPERATIONAL CONTINGENCY
PLANS WOULD BE DEVELOPED WOULD BE SUCH THAT THE
OPERATIONAL SITUATION WOULD BE THE SAME THROUGHOUT
THE AREA. ACCORDINGLY, STATISTICAL MEASURES WERE
DEVELOPED AS THE BASIS FOR SELECTION OF THE UNIT
AREAS WHICH SHOW THE FALLOUT INTENSITY GRADIENTS AS A
FUNCTION OF A RANGE OF WEAPON YIELDS AND PROBABLE
WIND CONDITIONS, EXPECTED THERMAL IGNITION RANGES,
AND OVERPRESSURE SCALING FUNCTIONS. (AUTHOR), (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-692 876 5/3 15/3
INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA PROGRAM
ANALYSIS DIV

ECONOMIC STRUCTURE OF THE UNITED STATES USING THE
COUNTY AS A FUNCTIONAL BASE. (U)

DESCRIPTIVE NOTE: RESEARCH PAPER,
APR 69 168P SACHS, ABNER ; TIMMERMAN,
JUDITH A. ;
REPT. NO. RP-P-511
CONTRACT: OCD-PS-66-113
MONITOR: IDA/HQ 69-10145

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, RECOVERY),
(*ECONOMICS, *UNITED STATES), MOBILIZATION,
PASSIVE DEFENSE, TABLES, ANALYSIS, POPULATION,
INDUSTRIES, COMMERCE, AGRICULTURE, MINERALS,
MONEY, CARGO, DAMS, IRON INDUSTRY, STEEL
INDUSTRY, PETROLEUM INDUSTRY, ELECTRIC POWER
PRODUCTION (U)
IDENTIFIERS: *ECONOMIC GEOGRAPHY, *REGIONAL
PLANNING, ZIP MARKETING AREAS, RESOURCES,
NATURAL GAS, LIVESTOCK (U)

THE PAPER PRESENTS POPULATION AND OTHER SELECTED
RESOURCE DATA USING THE COUNTY AS THE BASIC
GEOGRAPHIC UNIT. THE ECONOMIC MEASURES WERE CHOSEN
WITH CIVIL DEFENSE PLANNING IN MIND. THEY INCLUDE,
AMONG OTHERS: VALUE ADDED BY MANUFACTURE, NUMBER
OF MANUFACTURING ESTABLISHMENTS, IRON AND STEEL
MILLS, PETROLEUM REFINERIES, ELECTRIC GENERATING
STATIONS, EMPLOYMENT, RETAIL TRADE SALES, FOOD SALES,
WHOLESALE TRADE SALES, AGRICULTURAL ACREAGE, VALUE OF
CROPS AND LIVESTOCK SOLD, AND VALUE OF MINERAL
SHIPMENTS. THESE DATA, ARRAYED BY COUNTY, ARE
COMPARED TO POPULATION BASES CONSISTING OF THE
COUNTIES CONTAINING THE FIRST 20 TO 60 PERCENT OF THE
TOTAL US POPULATION. THE COUNTIES INCLUDED IN
THESE POPULATION PERCENTAGES ARE DESIGNATED AND
ANALYZED AS 'CORE' COUNTIES AND THE COUNTIES
CONTIGUOUS TO THEM ARE ALSO SEPARATED OUT FOR
INVESTIGATION. THIS 'CORE' AND 'CONTIGUOUS' COUNTY
ARRANGEMENT LED TO A STRUCTURING OF ECONOMIC REGIONS
AS A PROPER FRAME FOR CIVIL DEFENSE RECOVERY
OPERATIONS. 'ZIP MARKETING AREAS' WERE FOUND
TO BE THE MOST USEFUL DESIGN FOR ECONOMIC REGIONS.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-695 641 5/3 15/3
STANFORD RESEARCH INST MENLO PARK CALIF

REQUIREMENTS FOR COMPARATIVE EVALUATION OF
COUNTERMEASURES TO POSSIBLE POSTATTACK FISCAL
PROBLEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
APR 69 48P DRESCH, FRANCIS H. ;
CONTRACT: DAMC20-47-C-0016
PROJ: SR1-6250-054, OCD-3531E

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, ECONOMICS),
(NUCLEAR EXPLOSION DAMAGE, COUNTERMEASURES),
MATHEMATICAL MODELS, MONEY, CONTROL, PRODUCTION,
LABOR, MANAGEMENT PLANNING, CIVIL DEFENSE
SYSTEMS (U)

IN THE COURSE OF RESEARCH ON TOTAL VULNERABILITY, A
QUANTITATIVE MODEL HAS BEEN DEVELOPED FOR USE IN
DESCRIBING FINANCIAL AND OTHER INSTITUTIONAL SYSTEMS
RELATED TO THE ECONOMY AS A WHOLE. THE REPORT
DISCUSSES SELECTED APPLICATIONS OF THE PROTOTYPE
MODEL TO POSTATTACK PLANNING AND CONSIDERS THE
FEASIBILITY OF EXTENDING IT TO FACILITATE ITS USE FOR
SUCH APPLICATIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-696 135 15/3
URS RESEARCH CO BURLINGAME CALIF

CIVIL DEFENSE OPERATIONAL CONCEPTS, (U)

MAY 69 120P MILLER, CARL F. I
REPT. NO. URS-757-1
CONTRACT: DAHC2C-69-C-0142
PROJ: OCD-3119A

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *MANAGEMENT
PLANNING), (*NUCLEAR WARFARE, PASSIVE DEFENSE),
NUCLEAR EXPLOSIONS, SYSTEMS ENGINEERING, HAZARDS,
SHELTERS, RADIOACTIVE FALLOUT, DAMAGE ASSESSMENT,
SURVIVAL, RADIATION EFFECTS, MORTALITY RATES,
CASUALTIES, DEBRIS, FIRES, BLAST, VEHICLES (U)
IDENTIFIERS: *OPERATIONAL CONCEPTS (U)

RELATIONSHIPS AMONG NUCLEAR WEAPONS EFFECTS AND
CIVIL DEFENSE OPERATIONAL SYSTEM VARIABLES ARE
SUMMARIZED AND USED AS A BASIS FOR DERIVING CIVIL
DEFENSE OPERATIONAL CONCEPTS. CLASSIFICATION OF
HAZARD CONDITIONS, AND SYSTEMS OF STANDARD OPERATION
ROUTINES, CENTERED ON PROTECTIVE SHELTER AND ON
OPERATIONS FROM THE SHELTER, NINE GENERAL CLASSES OF
BASIC HAZARD CONDITIONS (BHC) FOR WHICH DIFFERENT
OPTIONS OF STANDARD OPERATING ROUTINES (SOR'S)
WOULD BE REQUIRED ARE SUGGESTED. THE NINE CLASSES
ARE COMBINATIONS OF THREE POSSIBLE LEVELS OF FALLOUT
HAZARDS AND THREE POSSIBLE LEVELS OF PHYSICAL DAMAGE
FOR AN AREA. (AUTHOR) (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-697 180 15/3 14/1
WESTINGHOUSE ELECTRIC CORP WALTHAM MASS ADVANCED STUDIES
GROUP

COST-EFFECTIVENESS MEASUREMENT OF CIVIL DEFENSE
SYSTEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
OCT 69 89P SINGER, ARNOLD ; RICHARDSON, R.
P. 1
REPT. NO. W-4291
CONTRACT: DAHC20-68-C-0162
PROJ: OCD-4115C

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, COST
EFFECTIVENESS), SYSTEMS ENGINEERING, STATISTICAL
ANALYSIS, DECISION MAKING, MISSION PROFILES (U)

THE PROBLEM OF MEASURING THE EFFECTIVENESS OF THE
TOTAL CIVIL DEFENSE SYSTEM IS ADDRESSED IN THE STUDY,
WITH THE EMPHASIS AND PRIMARY CONCERN BEING THE
DEVELOPMENT AND METHODS OF APPLICATION OF CRITERIA
MEASURES FOR SYSTEM EVALUATION. THE REPORT
PRESENTS AND DISCUSSES CRITERIA THAT SHOULD BE USED
IN ESTABLISHING EVALUATION MEASURES; PROBLEMS THAT
ARE ENCOUNTERED WHEN MEASURES OF PERFORMANCE AND
EFFECTIVENESS ARE USED FOR SYSTEM AND SUBSYSTEM
EVALUATIONS, AND METHODS OF DEALING WITH THESE
PROBLEMS; AND SOME MEASURES OF COST, PERFORMANCE, AND
EFFECTIVENESS RELEVANT TO CD SYSTEMS EVALUATION.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-704 366 15/3 5/1
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND
ECONOMICS DIV

DEFINITION OF LOCAL OPERATING AREAS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAR 70 87P TRUSTMAN, S. I
REPT. NO. RTI-OU-427-2
CONTRACT: DAMC20-69-C-0107
PROJ: OGD-43168

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS; *MANAGEMENT
PLANNING); THREAT EVALUATION, URBAN AREAS, RURAL
AREAS, DATA PROCESSING SYSTEMS, POPULATION,
VULNERABILITY, STANDARDS, PERSONNEL

(U)

THE OBJECTIVES OF THIS INVESTIGATION WERE
THREEFOLD: THE INVESTIGATION AND ANALYSIS OF
PATTERNS OF GEOGRAPHICAL SUBDIVISIONS OF LOCALITIES
IN TERMS OF THEIR USABILITY AND DESIRABILITY FOR THE
PURPOSES OF EVALUATING LOCAL TOTAL CIVIL DEFENSE
SYSTEMS; THE DETERMINATION OF DATA TO BE COLLECTED TO
DESCRIBE EACH OF THE GEOGRAPHICAL SUBDIVISIONS IN
TERMS SUITABLE FOR THE EVALUATION OF LOCAL CIVIL
DEFENSE SYSTEMS; AND THE DEVELOPMENT OF PROCEDURES TO
ESTIMATE THE VULNERABILITY OF THE PEOPLE,
INSTITUTIONS AND RESOURCES OF THE GEOGRAPHIC
SUBDIVISIONS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-705 500 15/3 5/1
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

CIVIL DEFENSE SYSTEMS: SOCIAL IMPACT AND MANAGEMENT
PLANNING. VOLUME I. (U)

DESCRIPTIVE NOTE: REPORT BIBLIOGRAPHY AUG 60-OCT 69.
MAY 70 157P
REPT. NO. DDC-TAS-70-45-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO VOLUME 2: AD-868 900.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS,
BIBLIOGRAPHIES), (*MANAGEMENT PLANNING, CIVIL
DEFENSE SYSTEMS), MANAGEMENT PLANNING, ATTITUDES,
PUBLIC OPINION, MANPOWER, ECONOMICS, TRAINING,
RADIOACTIVE FALLOUT, SHELTERS, CIVIL DEFENSE
PERSONNEL (U)

THIS BIBLIOGRAPHY IS VOLUME I OF A TWO-VOLUME
SET OF REFERENCES ON CIVIL DEFENSE SYSTEMS:
SOCIAL IMPACT AND MANAGEMENT PLANNING.
DOCUMENTS CONTAINED IN THIS VOLUME PERTAIN TO
MANAGEMENT TRAINING, PUBLIC OPINION, SOCIAL IMPACT,
AND PSYCHOLOGICAL EFFECTS. COMPUTER-GENERATED
INDEXES OF CORPORATE AUTHOR-MONITORING
AGENCY, SUBJECT, AND CONTRACT ARE PROVIDED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-710 302 15/6 5/11
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THE PERCEPTION OF LOCAL SURVIVAL CHANCES: AN
EXPLORATORY EXPLANATION,

(U)

MAR 70 50P MAST, ROBERT H. I
CONTRACT: DAHC20-67-C-0122, NSF-G11309

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORTS ON AMERICANS' VIEWS ABOUT
CIVIL DEFENSE ISSUES.

DESCRIPTORS: (•NUCLEAR WARFARE, SURVIVAL),
(•ATTITUDES, NUCLEAR WARFARE), CIVIL DEFENSE
SYSTEMS, DISARMAMENT, SHELTERS, QUESTIONNAIRES

(U)

THE REPORT EXAMINES THE IMPACT OF A COMBINATION OF
ATTITUDES, BEHAVIORS, AND SOCIAL CHARACTERISTICS ON
PEOPLE'S PERCEPTIONS OF HOW MANY PEOPLE IN THEIR
LOCALITY WOULD SURVIVE A NUCLEAR WAR. ATTITUDES
ABOUT CIVIL DEFENSE ISSUES AND THE INTERNATIONAL
CONTEXT WERE FOUND TO BE THE BEST PREDICTORS OF THE
ESTIMATES OF SURVIVAL. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-711 056 15/3 5/11
STANFORD RESEARCH INST MENLO PARK CALIF

FAMILY FINANCE AS A CONSTRAINT ON CIVIL DEFENSE
SYSTEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
APR 70 63P DRESCH, FRANCIS N. I
CONTRACT: DAHC20-69-C-0295
NOJ: SRJ-MU-8020, OCD-4153A

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, ECONOMICS),
EMPLOYMENT, WAGES, TRANSPORTATION, RECORDS,
COMMUNICATION SYSTEMS, SURVIVAL (U)
IDENTIFIERS: *BANKING SERVICES (U)

THE OBJECTIVES OF THE STUDY WERE TO IDENTIFY
POSSIBLE CONSTRAINTS ON CIVIL DEFENSE SYSTEMS THAT
MIGHT ARISE BECAUSE OF FINANCIAL CONCERNS OF
INDIVIDUAL HOUSEHOLDERS AND TO ASSESS CONCEIVABLE
COUNTERMEASURES TO THE CONSTRAINTS IDENTIFIED. THE
HOUSEHOLDER FINANCIAL CONCERNS OF RELEVANCE WERE
FOUND TO BE THOSE ASSOCIATED WITH CONTINUITY OF
EMPLOYMENT AND WAGES, ADEQUATE TRANSPORTATION FOR
COMMUTING AND SHOPPING, ADEQUATE BANKING AND CHECK
CLEARING SERVICES, AVAILABILITY OF CREDIT, AND
SURVIVAL OF FINANCIAL RECORDS. THE CIVIL DEFENSE
SYSTEMS CONCEIVABLY AFFECTED BY HOUSEHOLDER FINANCIAL
CONCERNS WERE EVACUATION AND RELOCATION, EMERGENCY
LOCAL TRANSPORTATION, BANKING SERVICES, PROTECTION OF
FINANCIAL RECORDS, COMMUNICATIONS, AND POLICIES AND
CONTROLS FOR FINANCIAL INSTITUTIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-711 118 15/3 5/11
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THE PUBLIC'S PERCEPTION OF LOCAL CIVILIAN DEFENSE
EFFORTS AND FACILITIES, (U)

MAR 70 41P COHEN, PEARL B. I
CONTRACT: DAHC20-67-C-0122
PROJ: OCD-4812B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ONE IN A SERIES OF REPORTS ON
AMERICAN'S VIEWS ABOUT CIVIL DEFENSE ISSUES.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *PUBLIC
OPINION), QUESTIONNAIRES, REVIEWS, FALLOUT
SHELTERS, NUCLEAR WARFARE (U)

AN OVERWHELMING MAJORITY OF AMERICANS INDICATED
IN JUNE 1968 THAT THE COUNTRY WOULD NOT BE ENGAGED
IN A NUCLEAR WAR WITHIN THE NEXT FIVE YEARS. THE
HIGHER THE SOCIO-ECONOMIC CLASS, THE MORE OPTIMISM
PREVAILED. CONSEQUENTLY PUBLIC INTEREST IN CIVIL
DEFENSE AND RELEVANT INDIVIDUAL ACTIVITY WAS LOW.
ALTHOUGH PEOPLE WERE MORE CERTAIN OF WHERE SHELTER
WOULD BE SOUGHT IF A NUCLEAR ATTACK OCCURRED WHILE AT
WORK RATHER THAN AT HOME, FEW PEOPLE HAD GIVEN THE
MATTER SERIOUS THOUGHT. MOST CITIZENS KNEW NOTHING
OF WHAT WAS BEING ACCOMPLISHED BY CIVIL DEFENSE
OFFICERS ON THE LOCAL LEVEL. PEOPLE APPEARED
UNCONCERNED AND REFUSED GENERALLY TO EVALUATE LOCAL
CIVIL DEFENSE PROGRAMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-712 314 15/3
STANFORD RESEARCH INST MENLO PARK CALIF

THE USE OF SYSTEMS TECHNIQUES IN CIVIL
DEFENSE.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 70 186P DEVAHEY, JOHN F. I
CONTRACT: DAHC20-67-C-0136
PROJ: GCD-2313A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH URS
RESEARCH CO., SAN MATEO, CALIF., REPT. NO. URS-
691.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, *SYSTEMS
ENGINEERING), RESEARCH PROGRAM ADMINISTRATION,
STATE-OF-THE-ART REVIEWS, TRAINING, BUDGETS,
UNITED STATES GOVERNMENT, SHELTERS, COST
EFFECTIVENESS

(U)

IDENTIFIERS: EVALUATION

(U)

CIVIL DEFENSE HAS THE ATTRIBUTES OF A SYSTEM AND
THE TECHNIQUES OF SYSTEMS EVALUATION HAVE BEEN
APPLIED IN THE DEVELOPMENT OF POLICY AND PROGRAMS
SINCE THE MIDDLE 1950'S. ADVANCES HAVE BEEN MADE
IN THE STATE-OF-THE-ART OF CIVIL DEFENSE AND OF
SYSTEMS EVALUATION. APPLICATION OF SYSTEMS
EVALUATION TECHNIQUES TO CIVIL DEFENSE IS REVIEWED.
A MODIFIED ANALYTIC FRAMEWORK IS PRESENTED WITH
DEFINITIONS, GRAPHIC AIDS, AND A QUALITATIVE
DEMONSTRATION OF THE METHOD AND OF ITS APPLICATION TO
OTHER ACTIVITIES SUCH AS: OPERATIONAL PLANNING,
ORGANIZATION, TRAINING, AND SO ON. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-714 991 13/12 5/11 15/3
OHIO STATE UNIV COLUMBUS DISASTER RESEARCH CENTER

THE WARNING SYSTEM IN DISASTER
SITUATIONS: A SELECTIVE ANALYSIS.

(U)

DESCRIPTIVE NOTE: RESEARCH REPT.,
JUL 70 78P MCLUCKIE, BENJAMIN F. I
REPT. NO. DRC-SER-9
CONTRACT: UCD-PS-64-46

UNCLASSIFIED REPORT

DESCRIPTORS: (•DISASTERS, •WARNING SYSTEMS),
CIVIL DEFENSE SYSTEMS, SOCIAL PSYCHOLOGY,
REACTION(PSYCHOLOGY); FACTOR ANALYSIS,
CLASSIFICATION, STATISTICAL DATA, TIME,
MANAGEMENT PLANNING, DAMAGE, CONTROL SYSTEMS,
THREAT EVALUATION, DECISION MAKING, DATA
PROCESSING SYSTEMS, COMMUNICATION SYSTEMS, NUCLEAR
EXPLOSIONS

(U)

IN MANY WAYS WARNING CAN BE THE MOST IMPORTANT
PHASE OF THE DISASTER RESPONSE. WARNING IS THOUGHT
OF NOT JUST IN TERMS OF MECHANICAL DEVICES BUT IN
TERMS OF PSYCHOLOGICAL AND SOCIOLOGICAL STRUCTURES
AND PROCESSES. WARNING IS NOT ONLY ADVANCE
NOTIFICATION OF THE EXISTENCE OF DANGER BUT ALSO
INFORMATION ABOUT WHAT CAN BE DONE TO PREVENT, AVOID,
OR MINIMIZE THE DANGER. THE CHARACTERISTICS OF THE
DISASTER AGENT -- FREQUENCY, SPEED OF ONSET, SCOPE OF
IMPACT, DESTRUCTIVE POTENTIAL, ETC. -- AFFECT THE
WARNING PROCESS. BEFORE A WARNING MESSAGE CAN BE
ISSUED, THREAT DATA MUST BE COLLECTED, COLLATED, AND
EVALUATED. THE REPORT EXAMINES WHAT IS INVOLVED IN
THESE PROCESSES. INCLUDED AMONG THE FACTORS
INFLUENCING RESPONSE ARE THE SOCIO-CULTURAL
FRAMEWORK, THE HISTORICAL SETTING, AND THE IMMEDIATE
ONGOING SOCIAL SITUATION. THE REPORT CONTAINS A
DISCUSSION OF IMPLICATIONS FOR NUCLEAR CATASTROPHE.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-718 881 15/3 5/9
URS RESEARCH CO SAN MATEO CALIF

EVALUATION OF EMERGENCY OPERATIONS SIMULATION
TRAINING.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
NOV 70 79P HARKER, ROBERT A. ;
REPT. NO. URS-793
CONTRACT: DAHC20-70-C-0293
PROJ: OCD-2611E

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, TRAINING),
NUCLEAR WARFARE, SIMULATION, THREAT EVALUATION,
PROBLEM SOLVING, LEADERSHIP, ORGANIZATIONS,
INTERACTIONS, PROGRAMMED INSTRUCTION

(U)

IDENTIFIERS: TRANSATTACK ENVIRONMENTS, *EMERGENCY
OPERATIONS SIMULATION TRAINING, ENEMY ATTACK
CAPABILITIES, OBJECTIVES, EVALUATION, NEW
ORLEANS(LOUISIANA)

(U)

THE REPORT PRESENTS EVALUATIONS OF THE OCD
EMERGENCY OPERATIONS SIMULATION TRAINING
(EOST) EXERCISES CONDUCTED FOR LOCAL JURISDICTIONS.
THE EVALUATIONS WERE BASED ON OBSERVATION AND
PARTICIPATION IN FIVE EXERCISES AS WELL AS ON
ANALYSES OF THE EXTENSIVE EXPERIENCE OF OTHERS. IN
ADDITION, THE RESEARCH INCLUDED ESTIMATES OF CURRENT
ENEMY ATTACK CAPABILITIES, AND STUDIES OF ADVANCED
CIVIL DEFENSE CONCEPTUAL DEVELOPMENTS.
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-718 924 5/11 15/3
MICHIGAN STATE UNIV EAST LANSING DEPT OF
COMMUNICATION

THE HOME FALLOUT PROTECTION SURVEY IN
MICHIGAN: ITS IMPACT ON THE GENERAL
PUBLIC,

(U)

APR 70 12P BERLO, DAVID K. I
REPT. NO. HFPS-3
CONTRACT: DAHC20-67-C-0119

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON THE PUBLIC OPINION ON
SHARING HOME BASEMENTS DURING STORM OR
RADIOACTIVE FALLOUT DISASTERS.

DESCRIPTORS: (DISASTERS, ATTITUDES),
(SHELTERS, PUBLIC OPINION), STORMS,
RADIOACTIVE FALLOUT, CIVIL DEFENSE SYSTEMS, SOCIAL
COMMUNICATION, STATISTICAL ANALYSIS (U)
IDENTIFIERS: SHELTER OCCUPANCY, HOME BASEMENTS,
EMERGENCY HOME SHARING, INTERVIEWS (U)

THE REPORT FOCUSES ON THE RESPONSES MADE BY A
STATE-WIDE PROBABILITY SAMPLE OF MICHIGAN RESIDENTS
TO QUESTIONS DEALING WITH THEIR WILLINGNESS TO SHARE
THEIR HOME BASEMENTS--IN THE EVENT OF NATURAL
DISASTER, OR NUCLEAR ATTACK, WITH EITHER FRIENDS,
NEIGHBORS, OR STRANGERS. SUBGROUPS OF THE
POPULATION WERE STUDIED IN RESPONSE TO THESE
QUESTIONS: A WIDE VARIETY OF SUBGROUPS WERE EXAMINED
ALONG DIFFERING LEVELS OF CIVIL DEFENSE ATTITUDES AND
INFORMATION, COMMUNICATIONS WITH RESPECT TO CIVIL
DEFENSE, AND DEMOGRAPHIC FACTORS. THE FINDINGS WERE
THEN COMPARED WITH SIMILAR QUESTIONS ASKED IN OTHER
MID-WEST URBAN AND RURAL AREAS, AND IN A NATION-WIDE
PROBABILITY SAMPLE: ALL THREE SETS OF RESULTS
CONSISTENTLY SHOWED HIGH LEVELS OF PUBLIC SUPPORT FOR
HOMESHARING IN THE EVENT OF NUCLEAR ATTACK.
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AU-722 870 5/1
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

MANAGEMENT ENGINEERING.

(U)

DESCRIPTIVE NOTE: REPORT BIBLIOGRAPHY JAN-OCT 70.
APR 71 201P
REPT. NO. DDC-TAS-71-5

UNCLASSIFIED REPORT

DESCRIPTORS: (•MANAGEMENT ENGINEERING,
•BIBLIOGRAPHIES), (•MANAGEMENT PLANNING,
BIBLIOGRAPHIES), ABSTRACTS, INDEXES,
TRANSPORTATION, INDUSTRIES, CIVIL DEFENSE SYSTEMS,
DATA PROCESSING SYSTEMS, MATHEMATICAL PREDICTION,
FALLOUT SHELTERS, TRANSPORTATION, INVENTORY
CONTROL, URBAN PLANNING, DECISION MAKING,
LOGISTICS

(U)

IDENTIFIERS: MANAGEMENT INFORMATION SYSTEMS,
ANNOTATED BIBLIOGRAPHIES

(U)

THE ABSTRACTS TO REPORTS IN THIS BIBLIOGRAPHY ARE
PERTINENT TO MANAGEMENT PLANNING IN TRANSPORTATION,
INDUSTRIES, CIVIL DEFENSE SYSTEMS, AND OTHER MAN-
ORGANIZED SYSTEMS. THE INDEXES ARE FOR CORPORATE
AUTHOR-MONITORING AGENCY AND SUBJECT. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-724 164 15/3
MICHIGAN STATE UNIV EAST LANSING DEPT OF
COMMUNICATION

THE HOME FALLOUT PROTECTION SURVEY AND
COMMUNITY SHELTER PLANS IN MICHIGAN:
THEIR IMPACT ON THE GENERAL PUBLIC, FAMILY
COMMUNICATION ABOUT CIVIL DEFENSE TOPICS:
A REPORT OF TWO PILOT STUDIES.

(U)

DESCRIPTIVE NOTE: PILOT STUDY REPT. NO. 4,
JAN 71 19P BERLO, DAVID K. ; WACKMAN,
DANIEL B. ; ERICSON, PHILIP M. ;
CONTRACT: DAHC20-67-C-0119

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, PUBLIC
OPINION), (*FALLOUT SHELTERS, CIVIL DEFENSE
SYSTEMS), REACTION(PSYCHOLOGY), EDUCATION,
ATTITUDES, QUESTIONNAIRES, NUCLEAR RADIATION,
NUCLEAR WARFARE
IDENTIFIERS: HOME FALLOUT PROTECTION SURVEYS

(U)

(U)

THE REPORT SUMMARIZES TWO PILOT RESEARCH STUDIES
WHICH EXPLORED HOW AMERICAN FAMILIES PROCESS AND
UTILIZE CIVIL DEFENSE INFORMATION. THE FIRST STUDY
COMPARED PUBLIC REACTIONS TO COMMUNITY SHELTER
PLAN INFORMATION TO HOME FALLOUT PROTECTION
SURVEY INFORMATION; AND FOUND THEM SIMILAR IN
AWARENESS, PROCESSING, USE IN PLANNING, AND
EVALUATION OF THE INFORMATION. THE STRENGTHS AND
WEAKNESS OF CSP INFORMATION ARE NOTED. THE
SECOND STUDY EXAMINED HOW A SAMPLE OF 30 LOWER AND
MIDDLE CLASS COUPLES INTERACTED ABOUT CIVIL DEFENSE
TOPICS. THE FINDINGS INDICATED NUCLEAR ROLE
ASSIGNMENT FOR CIVIL DEFENSE IN THE FAMILIES, LOW
PRIORITY TO ITS IMPORTANCE, BUT USE OF THE SAME BASIC
INTERACTION STYLE IN DISCUSSING IT. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMHL7

AD-724 727 15/3
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

THE HOME FALLOUT PROTECTION SURVEY AND
RESULTING CHANGES IN SHELTER ADOPTION.
SUMMARY REPORT.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
SEP 70 56P YARBROUGH, PAUL ; KLONGLAN,
GERALD E. I
REPT. NO. RURAL SOCIOLOGY-85A
CONTRACT: DAHC20-67-C-0123
PROJ: OCD-4811E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SOCIOLOGICAL STUDIES IN
CIVIL DEFENSE. PREPARED IN COOPERATION WITH IOWA
AGRICULTURAL AND HOME ECONOMICS EXPERIMENT
STATION, PROJECT 1529. SEE ALSO APPENDICES, AD-
724 728.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, ATTITUDES),
QUESTIONNAIRES, REVIEWS, IOWA (U)
IDENTIFIERS: SURVEYS, HOME FALLOUT PROTECTION (U)

THE STUDY INVESTIGATED RESPONSES MADE BY ADULTS IN
DES MOINES, IOWA, TO THE HOME FALLOUT
PROTECTION SURVEY (HFPS). A PANEL OF 308
PERSONS WERE INTERVIEWED BEFORE AND AFTER HFPS.
THE AUDIENCE WAS FOUND TO HAVE RESPONDED QUITE
FAVORABLY IN TERMS OF ATTENTION GIVEN HFPS
MESSAGES, ATTITUDINAL ACCEPTANCE OF THE PROGRAM AND
CHANGE IN ADOPTION OF PUBLIC AND HOME FALLOUT
SHELTERS. OVER 66 PERCENT WERE AWARE OF THE
PROGRAM AND NEARLY 30 PERCENT READ AT LEAST SOME OF
THE HFPS BOOKLET. COMBINED ADOPTION OF HOME AND
PUBLIC SHELTERS INCREASED FROM 26 PERCENT OF ALL
HOUSEHOLDS BEFORE HFPS TO 44 PERCENT AFTERWARDS.
HOWEVER, COMPREHENSION OF SUCH KEY CONCEPTS AS
'PROTECTION FACTOR' AND 'ADDED WEIGHT' WAS QUITE LOW
AND CONSTITUTED ONE OF THE WEAKEST LINKS IN THE
PROGRAM. THE DISPOSITIONAL MODEL DID NOT HOLD WELL
IN PREDICTING ATTENTION TO HFPS, BUT DID HOLD IN
PREDICTING COMPREHENSION AND ACCEPTANCE RESPONSES.
THE USE OF PANEL METHODOLOGY WAS FOUND TO
CONTRIBUTE SIGNIFICANT BIAS TO THE OBSERVED RESPONSE
TO HFPS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 001 11/5 21/2 15/6
NAVAL ORDNANCE LAB WHITE OAK MD

FUEL VALUES AND BURNING TIMES OF SELECTED
FUEL ARRAYS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAR 71 17P BRACCIARENTI, JOHN ;
REPT. NO. NOLTR-71-76
PROJ: OCO-2535B

UNCLASSIFIED REPORT

DESCRIPTORS: (*TEXTILES, *COMBUSTION),
(*BUILDINGS, FIRES), (*NUCLEAR WARFARE, URBAN
AREAS), CIVIL DEFENSE SYSTEMS, HOUSING, FIRE
SAFETY, FIRE RESISTANT TEXTILES, FLAMMABILITY,
BURNING RATE

(U)

IDENTIFIERS: *CURTAINS, *DRAPES, *WINDOW
SHADES

(U)

FUEL VALUES AND BURNING TIMES OF SEVENTEEN SELECTED
WINDOW FUEL ARRAYS WERE DETERMINED EXPERIMENTALLY FOR
CONDITIONS UNDER WHICH THE ARRAYS ARE COMMONLY FOUND,
THE RESULTS WERE COMPARED WITH PREDICTED FUEL
VALUES AND BURNING TIMES MADE IN CONJUNCTION WITH
SURVEYS OF PROVIDENCE AND DETROIT. THE RESULTS
INDICATE THAT THE FUEL VALUES FOR THE BURNING ARRAYS
ARE ON THE AVERAGE 50 PERCENT LOWER THAN THOSE
PREDICTED. THE FLAMING TIME OF THE FUELS WAS FOUND
TO BE TWICE TO SIX TIMES THOSE PREDICTED, HOWEVER THE
HANGING FUELS FELL TO THE FLOOR IN CONSIDERABLY
SHORTER TIMES THAN THE ESTIMATED BURNING TIMES.
SOME OF THE IMPLICATIONS OF THE RESULTS TO ROOM
FLASHOVER ARE DISCUSSED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 456 15/2 5/10
AMERICAN INSTITUTES FOR RESEARCH PITTSBURGH PA

AN EXPLORATORY STUDY TO DETERMINE THE
EFFECTS OF PHYSICAL HAZARD ON SHELTER
MANAGEMENT BEHAVIOR.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 1969-1970,
APR 71 62P SMITH, ROBERT W. COLLINS,
ROBERT A. MEAGLEY, DONALD E. I
REPT. NO. AIR-77802-4/71-FR
CONTRACT: DAMC20-68-C-0122

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, FALLOUT
SHELTERS), (*BEHAVIOR, THREAT EVALUATION),
(*FALLOUT SHELTERS, *MANAGEMENT ENGINEERING),
PERFORMANCE(HUMAN), REACTION(PSYCHOLOGY),
STRESS(PSYCHOLOGY), ADJUSTMENT(PSYCHOLOGY),
ANXIETY

(U)

IDENTIFIERS: THREAT, MANAGEMENT PERFORMANCE

(U)

THE OBJECTIVE OF THE STUDY WAS TO GENERATE A
PERCEPTION OF ENVIRONMENTAL THREAT IN SUBJECTS UNDER
CONTROLLED CONDITIONS AND TO ASSESS ITS EFFECT ON
PERFORMANCE THAT COULD BE RELATED TO FALLOUT SHELTER
MANAGEMENT RESPONSIBILITIES. OF THE TEN TEST
SUBJECTS, FIVE APPEARED TO PERCEIVE THREAT AS
EVIDENCED BY NONCOMMITTAL REACTIONS TO CONCERNS
EXPRESSED BY THEIR COMPANIONS, OVERT SYMPTOMS OF
ANXIETY, RELATIVELY FREQUENT ATTEMPTS TO COMMUNICATE
WITH THE RESEARCH STAFF, AND SUBSEQUENT VERBAL
ACKNOWLEDGEMENT OF PERCEIVED THREAT. CLEAR
RELATIONSHIPS EXISTED BETWEEN THE PERCEPTION OF
THREAT AND MANAGEMENT PERFORMANCE, PARTICULARLY IN
THE AREA OF SOCIAL BEHAVIOR. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 947 15/3
OFFICE OF CIVIL DEFENSE WASHINGTON D C

CIVIL DEFENSE AND THE PUBLIC: AN
OVERVIEW OF PUBLIC ATTITUDE STUDIES.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 71 40P GARRETT, RALPH L. ;
REPT. NO. OCD-RR-17

UNCLASSIFIED REPORT

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *PUBLIC
OPINION), (*ATTITUDES, CIVIL DEFENSE SYSTEMS),
HISTORY, SHELTERS, EDUCATION, MANAGEMENT
PLANNING

(U)

THE REPORT OUTLINES RELEVANT ASPECTS OF CIVIL
DEFENSE HISTORY AND PROVIDES A GENERAL OVERVIEW OF
PUBLIC ATTITUDES DURING THE PAST 20 YEARS. PUBLIC
ATTITUDE FINDINGS ARE SUMMARIZED UNDER SUCH TOPICS AS
THE INTERNATIONAL CONTEXT, THREAT PERCEPTION, GENERAL
FAVORABILITY, PROGRAM SUPPORT, SALIENCE, PERCEPTIONS
OF LOCAL PROGRAMS, PERCEPTIONS OF SHELTERS AS A
SURVIVAL RESOURCE, RESPONSE TO WARNING, AND TRAINING
AND EDUCATION IMPACT. FINDINGS ARE REVIEWED
RELEVANT TO SUCH SPECIAL AUDIENCES AS INFORMATION
SEEKERS, YOUTH, LOCAL GOVERNING BODIES, COMMUNITY
POWER STRUCTURE, AND VOLUNTARY ORGANIZATIONS.
PROJECTIONS ARE MADE RELATIVE TO THE MEANING OF
THESE FINDINGS FOR CIVIL DEFENSE IN THE 1970'S.
(AUTHOR)

(U)

UNCLASSIFIED

/ZMML7

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 955 15/3 6/7 6/21
SYSTEM SCIENCES INC BETHESDA MD

A CONCEPT OF EMERGENCY HEALTH SERVICE
(EHS) IN NUCLEAR WAR. PART I - PLANNING
FOR EHS IN NUCLEAR WAR, AND PART II -
DEVELOPING AN EHS ANNEX TO A NUCLEAR
EMERGENCY OPERATIONS PLAN (NEOP).

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

JUL 71 228P ANDERSON, CHARLES G. ;
CONTRACT: DAHC20-70-C-0302

UNCLASSIFIED REPORT

DESCRIPTORS: (•NUCLEAR WARFARE CASUALTIES, •PUBLIC
HEALTH), (•CIVIL DEFENSE SYSTEMS, PUBLIC
HEALTH), NUCLEAR WARFARE, MEDICAL PERSONNEL,
MEDICAL SUPPLIES
IDENTIFIERS: •EMERGENCY MEDICAL CARE

(U)

(U)

THE REPORT PRESENTS A GENERAL DISCUSSION OF MEDICAL
DISASTER PLANNING, EMERGENCY HEALTH SERVICE
(EHS) ORGANIZATION, POTENTIAL ATTACK ENVIRONMENTS
AND CASUALTY CARE REQUIREMENTS. THE ELEMENTS OF
THE EHS ARE ALL DISCUSSED IN TERMS OF APPLICATION
DURING ANY ONE OF THE POSSIBLE DIFFERENT TYPES OF
ATTACK BASIC OPERATING SITUATIONS (BOS). A
CONCEPT OF PLANNING FOR EMERGENCY MEDICAL
OPERATIONS DURING AND IMMEDIATELY AFTER A NUCLEAR
ATTACK IS DISCUSSED. IT COVERS THE ASPECTS OF
MEDICAL MANPOWER, MEDICAL SUPPLIES AND MEDICAL
FACILITIES AND HOW THEY COULD BE INTERRELATED DURING
EMERGENCY OPERATIONS. SUBSTANTIAL EMPHASIS IS
GIVEN OVER TO INCREASED READINESS ACTIVITIES
DURING A CRISIS BUILD UP PERIOD. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 961 5/10 5/1 15/3
HUMAN SCIENCES RESEARCH INC MCLEAN VA

A MODEL OF SOCIETY TO USE IN SYSTEMATIC
ANALYSIS AND MANAGEMENT PLANNING FOR
SOCIETIES UNDER STRESS; FURTHER
DEVELOPMENT.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 71 134P HALL, EARL E. ;
REPT. NO. HSR-RR-71/4-VB-X
CONTRACT: DAMC20-68-C-0151
PROJ: OCD-4321C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO REPORT DATED NOV 69; AD-
700 166.

DESCRIPTORS: (•NUCLEAR WARFARE, RECOVERY),
(•CIVIL DEFENSE SYSTEMS, •MANAGEMENT PLANNING),
MATHEMATICAL MODELS, ECONOMICS, SYSTEMS
ENGINEERING, EQUATIONS, FACTOR ANALYSIS, BEHAVIOR
IDENTIFIERS: POST ATTACK PLANNING

(U)

(U)

THE REPORT DESCRIBES FURTHER DEVELOPMENT OF A
SYSTEMS MODEL OF SOCIETY TO BE USED AS A TOOL IN
PLANNING FOR SOCIETAL RECOVERY FOLLOWING NUCLEAR
ATTACK. THE BASIC ELEMENTS OF THE SYSTEM WERE
PRESENTED IN AN EARLIER REPORT, A MODEL OF
SOCIETY TO USE IN SYSTEMATIC ANALYSIS AND
MANAGEMENT PLANNING FOR SOCIETIES UNDER
STRESS; THE PRESENT REPORT EMPHASIZES THE NEEDS
SYSTEMS-EFFORTS EQUATIONS OF THE SOCIETAL MODEL AND
COVERS IN DETAIL THE GENERAL SYSTEMIC IMPLICATIONS
OF SPECIFIC HUMAN NEEDS; IMPLICATIONS FOR THE
CONSUMER DEMAND SUBSYSTEM; IMPLICATIONS FOR THE
INSTITUTION-BUILDING SUBSYSTEM; AND GENERAL
IMPLICATIONS FOR RECOVERY PLANNING. THE REPORT
CONCLUDES WITH A DESCRIPTION OF DEVELOPMENTS IN THE
SOCIAL SCIENCES RELATED TO THE POTENTIAL OF SOCIETAL
MODELING. (AUTHOR)

(U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-728 848 15/3
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

PUBLIC RESPONSE TO COMMUNITY SHELTER
PLANNING: DES MOINES AND POLK COUNTY,
IOWA. SUMMARY REPORT.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 71 SUP YARBROUGH, PAUL IXLONGLAN;
GERALD E. PADGITT, STEVE;
REPT. NO. SOCIOLOGY-87A
CONTRACT: DAHC20-69-C-0103
PROJ: OCD-4811G

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SOCIOLOGICAL STUDIES IN
CIVIL DEFENSE. PREPARED IN COOPERATION WITH IOWA
AGRICULTURAL AND HOME ECONOMICS EXPERIMENT
STATION; PROJECT 1754. SEE ALSO APPENDICES, AD-
728 849.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, ATTITUDES),
(*FALLOUT SHELTERS, *ATTITUDES), QUESTIONNAIRES,
SOCIOLOGY

(U)

THE STUDY INVESTIGATED RESPONSES MADE BY ADULTS IN
DES MOINES, IOWA, TO A COMMUNITY SHELTER
PLAN (CSP) AND ALSO TO AN OFFICE OF CIVIL
DEFENSE BOOKLET ENTITLED, 'IN TIME OF
EMERGENCY' (H-14). A TOTAL OF 938 INTERVIEWS
WERE COMPLETED DURING THE STUDY. THE DETAILED
METHODOLOGY AND ANALYSIS FOR EACH VARIABLE
INVESTIGATED, IS PRESENTED IN A SEPARATE VOLUME--SEE
AD-728 849. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-728 849 15/3
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND
ANTHROPOLOGY

PUBLIC RESPONSE TO COMMUNITY SHELTER
PLANNING: DES MOINES AND POLK COUNTY,
IOWA. APPENDICES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 71 344P YARBROUGH, PAUL ; KLONGLAN,
GERALD E. ; PADGITT, STEVE ;
REPT. NO. SOCIOLOGY-87B
CONTRACT: DAHC20-69-C-0103
PROJ: OCD-4811G

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SOCIOLOGICAL STUDIES IN
CIVIL DEFENSE. PREPARED IN COOPERATION WITH IOWA
AGRICULTURAL AND HOME ECONOMICS EXPERIMENT
STATION, PROJECT 1754. SEE ALSO SUMMARY REPORT,
AD-728 848.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, ATTITUDES);
(*FALLOUT SHELTERS, *ATTITUDES); QUESTIONNAIRES,
SOCIOLOGY (U)

THE STUDY INVESTIGATED RESPONSES MADE BY ADULTS IN
DES MOINES, IOWA, TO THE COMMUNITY SHELTER
PLAN (CSP). A TOTAL OF 938 INTERVIEWS WERE
COMPLETED DURING THE STUDY. THIS INCLUDED ADEQUATE
CONTROL SAMPLES BEFORE AND AFTER PUBLICATION OF CSP
AS WELL AS PANELS. ONE PANEL WAS INITIATED BEFORE
CSP, OTHER WERE CONTINUED FROM THE RESEARCHERS'
EARLIER HOME FALLOUT PROTECTION SURVEY STUDY.
THE CSP MESSAGE INCLUDED A PLAN ALLOCATING PUBLIC
FALLOUT SHELTERS TO RESIDENTS BASED ON PLACE OF
RESIDENCE. IT WAS PUBLISHED IN THE FORM OF A 12-
PAGE SUNDAY NEWSPAPER ADVERTISING SUPPLEMENT.
ATTENTION GIVEN THE MESSAGE WAS ABOUT AVERAGE WITH
SIMILAR SUPPLEMENTS (SLIGHTLY LESS THAN HALF OF THE
TOTAL AUDIENCE), BUT COMPREHENSION OF THE PLAN WAS
LOW. ONLY SEVEN PERCENT OF OUR CONTROL SAMPLE
COULD RECALL THE NAME OR LOCATION OF A SHELTER
ALLOCATED FOR HIS USE AND ONLY FOUR PERCENT COULD
RECALL HOW THEY WERE INSTRUCTED TO TRAVEL TO THE
SHELTER. ACCEPTANCE RESPONSES WERE LOW. A SLIGHT
INCREASE WAS OBSERVED IN LEVEL OF KNOWLEDGE ABOUT A
LOCAL CIVIL DEFENSE PROGRAM AND IN THE ANTICIPATORY
DECISION TO CONCURRENTLY ADOPT PUBLIC OR HOME SHELTER
PROTECTION ALTERNATIVES. THE DISPOSITIONAL MODEL
DID NOT HOLD WELL IN PREDICTING ATTENTION TO CSP. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-730 360 5/10
HUMAN SCIENCES RESEARCH INC MCLEAN VA

A STUDY OF CONSENSUS ON PSYCHOLOGICAL FACTORS
RELATED TO RECOVERY FROM NUCLEAR ATTACK. (U)

DESCRIPTIVE NOTE: FINAL REPT.,
MAY 71 234P ALLNUTT, BRUCE C. INORDLIE,
PETER G. I
REPT. NO: HSR-RR-71/3-D1
CONTRACT: DAHC20-70-C-0380
PROJ: OCD-35428

UNCLASSIFIED REPORT

DESCRIPTORS: (*REACTION(PSYCHOLOGY), NUCLEAR
WARFARE), RECOVERY, SOCIAL PSYCHOLOGY,
SOCIOLOGY, ADJUSTMENT(PSYCHOLOGY), FACTOR
ANALYSIS, CIVIL DEFENSE SYSTEMS, LABOR (U)
IDENTIFIERS: *POSTATTACK RECOVERY (U)

A STUDY WAS MADE OF THE AGREEMENT THAT EXISTS AMONG
EXPERTS ABOUT THE PROBABLE SOCIAL AND PSYCHOLOGICAL
CONSEQUENCES OF NUCLEAR WAR, AND THE IMPACT OF SUCH
FACTORS ON THE PROCESS OF NATIONAL RECOVERY. THE
RESEARCH METHOD INVOLVED THE INTERROGATION OF A PANEL
OF COGNIZANT GOVERNMENT OFFICIALS, MILITARY OFFICERS,
AND RESEARCH SCIENTISTS, USING A VARIATION OF THE
ITERATIVE DELPHI PROCEDURE. VERY GENERALLY, THE
PANEL WAS IN AGREEMENT THAT, WHILE THE VARIETY OF
INDIVIDUAL AND GROUP BEHAVIORS COULD BE EXPECTED TO
INCREASE, THE INCIDENCE OF ADAPTIVE BEHAVIOR WOULD
LIKELY OUTWEIGH THAT OF MALADAPTIVE BEHAVIOR.
HOWEVER A VERY STRONG TENDENCY FOR SOCIAL SYSTEMS
TO FRAGMENT INTO SMALL, LOCAL, SHORT-SIGHTED, AND
SELF-INTERESTED GROUPS WAS PREDICTED. A DIVERSE SET
OF PROJECTIONS ARE PRESENTED AND DISCUSSED IN DEPTH
BY THE PANELISTS, AND ESTIMATIONS OF THE EFFECTS OF
SOCIAL AND PSYCHOLOGICAL FACTORS ON SUCH NUMERICAL
VARIABLES AS THE POSTATTACK AVAILABILITY OF LABOR ARE
GIVEN. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-732 514 13/13 15/3
AMERICAN INSTITUTES FOR RESEARCH PITTSBURGH PA

MODEL LARGE INDIVIDUAL SHELTER PLANS.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 1 JUL 70-30 SEP 71,
JUL 71 49P COLLINS, ROBERT A. IMANN,

SHEILA B. ;

REPT. NO. AIR-77804-7/71-FR

CONTRACT: DAHC20-68-C-0122

PROJ: OCD-1519F

UNCLASSIFIED REPORT

DESCRIPTORS: (•SHELTERS, •CIVIL DEFENSE SYSTEMS),

MANAGEMENT PLANNING, PENNSYLVANIA

(U)

IDENTIFIERS: PITTSBURGH(PENNSYLVANIA)

(U)

THE GOALS OF THE PROJECT WERE TO DEVELOP AN INDIVIDUAL SHELTER PLAN (ISP) FOR OPERATIONS WITHIN THE LARGE SHELTER, AND A REPORT DESCRIPTIVE OF THE PROCESSES OF PLAN DEVELOPMENT. A 'MODEL' STRUCTURE, SATISFYING THE CRITERIA DESCRIPTIVE OF 'LARGE' SHELTERS WAS SELECTED. THIS BUILDING WAS SURVEYED IN TERMS OF STRUCTURE, SUPPLIES, FACILITIES, AND EQUIPMENT PERTINENT TO ITS FUNCTION AS A SHELTER. UTILIZING THIS INFORMATION, AND LEVELS OF FIRE AND RADIATION AS ENVIRONMENTAL DESCRIPTORS, SHELTER MANAGEMENT ACTIONS WERE GENERATED FOR CRITICAL SHELTER SERVICES. THESE ACTIONS WERE FORMATTED IN A SMALL FLIP CHART ARRANGED FOR EASY ACCESS.

(AUTHOR)

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AD-732 948 15/3 12/2
FAUCETT (JACK) ASSOCIATES SILVER SPRING MD

APPLICATIONS OF NETWORK ANALYSIS TO CIVIL
DEFENSE OPERATIONS.

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DESCRIPTIVE NOTE: FINAL REPT.

AUG 71 54P

CONTRACT: DAMC20-71-C-0219

PROJ: OCD-4114C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: INCLUDES DETACHABLE SUMMARY. SEE
ALSO RELATED REPORT DATED DEC 70, AD-719 312.

DESCRIPTORS: (*CIVIL DEFENSE SYSTEMS, *OPERATIONS
RESEARCH), (*NUCLEAR WARFARE, DAMAGE
ASSESSMENT), LINEAR PROGRAMMING, TRANSPORTATION,
DEBRIS, EVACUATION, MEDICAL SUPPLIES,
MATHEMATICAL MODELS, PROBABILITY DENSITY FUNCTIONS,
GRAPHICS, DISASTERS, COSTS, OPTIMIZATION

(U)

IDENTIFIERS: *NETWORK FLOWS, RESOURCE ALLOCATION,
EMERGENCY PLANNING, TRANSPORTATION MODELS,
CONSTRAINTS, GRAPH THEORY

(U)

THE REPORT EXPLORES THE APPLICATIONS OF NETWORK
ANALYSIS TO CIVIL DEFENSE EMERGENCY PLANNING.
NETWORK ANALYSIS WAS USED TO DEVELOP MODELS TO
ANALYZE POST-DISASTER SURVIVAL AND RECOVERY
OPERATIONS, WITH SAMPLE PROBLEMS BEING PRESENTED TO
ILLUSTRATE THE UTILITY OF THESE MODELS TO CIVIL
DEFENSE PLANNING. ONE EXAMPLE SHOWED HOW A MODEL
COULD BE USED TO DETERMINE THE APPROPRIATE
DISTRIBUTION OF EMERGENCY RESOURCES DURING POST-
DISASTER SURVIVAL PERIODS. ANOTHER EXAMPLE
DEMONSTRATED HOW A LARGE-SCALE POST-DISASTER RECOVERY
PROBLEM COULD BE SOLVED. THAT IS, THE OPTIMAL LEVEL
OF MULTIPLE PRODUCTION ACTIVITIES AND THE OPTIMAL
LEVEL OF PRODUCTION AT EACH LOCATION WAS DETERMINED
IN ORDER TO MINIMIZE TRANSPORTATION COSTS. IT WAS
ALSO SHOWN THAT INFORMATION FROM THE NATIONAL
NODAL NETWORK SYSTEM CAN SERVE AS INPUTS TO
SUCH MODELS. (AUTHOR)

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AD-631 756

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IDA/HQ-67-6832
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SOC-WT-

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SOCIOLOGY-87A
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SOCIOLOGY-87B
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TM(L)-2938/002/00
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TOI-TR-67-4
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TRANS-2600
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URS-757-1
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URS-793
AD-710 881

W-4291
AD-697 180

WT-1194
AD-611 160

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Security Classification

DOCUMENT CONTROL DATA - R & D		
<small>(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)</small>		
1. ORIGINATING ACTIVITY (Corporate author) DEFENSE DOCUMENTATION CENTER Cameron Station Alexandria, Virginia 22314		2a. REPORT SECURITY CLASSIFICATION Unclassified
		2b. GROUP
3. REPORT TITLE CIVIL DEFENSE SYSTEMS: SOCIAL IMPACT AND MANAGEMENT PLANNING		
4. DESCRIPTIVE NOTES (Type of report and inclusive dates) Bibliography (August 1960 - August 1971)		
5. AUTHOR(S) (First name, middle initial, last name)		
6. REPORT DATE April 1972	7a. TOTAL NO. OF PAGES 198	7b. NO. OF REFS 149
8a. CONTRACT OR GRANT NO.	8b. ORIGINATOR'S REPORT NUMBER(S) DDC-TAS-72-11-I	
8c. PROJECT NO		
8d.	9a. OTHER REPORT NO(S) (Any other numbers that may be assigned this report) AD-740 925	
10. DISTRIBUTION STATEMENT Approved for public release; distribution unlimited.		
11. SUPPLEMENTARY NOTES Supersedes AD-705 500	12. SPONSORING MILITARY ACTIVITY	
13. ABSTRACT This bibliography -- one in a series on Civil Defense Systems -- contains a compilation of references on Social Impact and Management Planning. References contained in this volume pertain to psychological factors related to recovery from nuclear attack; public response to community shelter planning; fallout shelter management responsibilities; emergency operations training; attitudes toward civil defense; requirements for local planning to cover hazards of fallout; food processing and distribution; and the roles of the dentist and pharmacists in national disasters. Entries were processed into the Defense Documentation Center's data bank during the period of January 1953 through January 1972. Other bibliographies in this series are: Preattack and Post-attack (Nuclear Warfare), and Shelters. Corporate Author-Monitoring Agency, Subject, Title, Contract, and Report Number Indexes are included.		

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14	KEY WORDS	LINK A		LINK B		LINK C	
		HOLE	WT	HOLE	WT	HOLE	WT
	<ul style="list-style-type: none">*Bibliographies*Civil Defense Systems*Management PlanningSocial ImpactCost EffectivenessEconomicsPublic OpinionSociologyTrainingCivil Defense PersonnelAttitudesAcceptabilitySocial PsychologyFallout Shelters						

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