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FEMA DATABASE REQUIREMENTS ASSESSMENT
AND RESOURCE DIRECTORY MODEL

Final Report

for

Federal Emergency Management Agency
Washington, D. C. 20472

FEMA Award Number: FEMA EMW-1-4058

FEMA Work Unit Number: 9231B

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May, 1982

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by

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May, 1982

This report has been reviewed in the Federal Emergency Management Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Federal Emergency Management Agency.



PREFACE

This project was undertaken by the University of Illinois, Coordinated Science Laboratory (CSL), Information Retrieval Research Laboratory for the Federal Emergency Management Agency (FEMA) under Contract No. FEMA EMW-1-4058. The principle investigator at CSL was Martha Williams with Carol Tenopir serving as Project Leader. Ralph Swisher of FEMA supervised the contract.

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1. OBJECTIVES AND INTRODUCTION

1.1 Introduction

This report presents the results of research undertaken by the University of Illinois Information Retrieval Research Laboratory to identify and analyze word-oriented (bibliographic, textual, directory, etc.) databases relevant to various units within the Federal Emergency Management Agency (FEMA).

Bibliographic databases provide information about all types of documents (books, journal articles, reports, etc.) on subjects specified by requestors. The documents themselves are usually not provided in a database search, instead, titles, authors, publication information, and sometimes abstracts and document availability information are given. These "document surrogates" that are the result of a search on a bibliographic database are referred to as "citations" throughout this report.

Other word-oriented databases provide information such as directories with names and addresses of companies or individuals in a specified subject area or descriptions of unpublished research-in-progress and names of who is conducting the research.

Searches on databases are usually done in an online mode (that is interactively with a computer through a terminal) and a printout of items containing the requested keywords can be generated immediately. Several of the databases mentioned in this report, however, are available only in "batch" mode (requests must be submitted for later computer processing, necessitating a delay of several hours or days). The batch-mode-only databases are so identified.

Searching computer databases provides a valuable savings in time, when compared to manually searching for information. Searches on databases often

provide more timely information, allow one-step searching of complex topics, and can be tailored to meet individual needs. A directory indicating which databases are available that contain information of interest to FEMA will serve as a valuable information resource for all FEMA units. This report provides a methodology for developing such a directory and also provides a model as a sample directory (see section 3.5).

1.2 Overview

Databases of potential relevance to FEMA were identified and, after discussion with FEMA personnel, the fifteen judged to be most relevant to the most FEMA areas of interests were selected. Subject profiles that reflect the interests of all FEMA units were developed in conjunction with appropriate FEMA personnel. Profiles were used to test the fifteen databases online. The databases were ranked by subject coverage, amount of information, and type of information based on the online search results. A sample FEMA Database Directory based on the analysis of the fifteen has been created.

The following report presents the details and findings of the pilot study and provides recommendations for further actions.

1.3 Scope

The field of Emergency Management is a multidisciplinary field encompassing many subject areas. Many units within FEMA have broad areas of interest with potential interest in information on a wide variety of topics. For example, in the design of shelters, information about sanitation, food storage, portable water, claustrophobia, etc. may be of interest whether or not it pertains specifically to emergency shelters. Studying structural collapse necessitates at times the entire literature of engineering. In this sense, emergency management interests embrace all disciplines and nearly every database is of potential interest to some FEMA employee at some time.

Choice of databases that will provide the most information of interest to the largest number of FEMA personnel is, thus, especially difficult. Although several reports have been written that list databases relevant to some specific subset of the emergency management field (University of Colorado, Zunde, Yska), no comprehensive guide to the useful secondary sources for the entire field exists.* Even the existing reports on subsets are now out-of-date.

Equally important to the mere identification of potentially relevant databases is the ready availability of complete information about these databases. This information should include: 1) subject coverage, 2) percent of the database that is relevant to each FEMA interest, 3) approximate number of citations that are relevant to FEMA interests, 4) updating frequency, 5) years covered, 6) type of information included and 7) how to access each database. Elements 1, 4, 5 and 7 are available in published directories (e.g. Computer-Readable Data Bases: A Directory and Data Source book, 1982 Edition). Elements 2 and 3 are FEMA specific and not included in publicly available sources.

This study is the first step in the creation of such a comprehensive, timely guide to the databases containing information of interest to FEMA as a whole, as well as to each specific FEMA unit. It provides a model of a "Directory of Word-oriented Databases of Relevance to FEMA" in the form of data pages describing databases that contain references of interest to FEMA.

* J. Scanlon of Carlton University, Ottawa, Canada is currently building a disaster database.

The University of Pittsburgh, University Center for Social and Urban Research is currently compiling for FEMA a database about behavior under stress. The database will include abstracts and citations of approximately 3000 documents relating to public crisis behavior in the U.S. Conclusions about crisis behavior reached by authors or these documents will be extracted and abstracted.

2. METHODOLOGY

2.1 Subject Profiles

The evaluation of many databases for relevance to a multidisciplinary field has not been often undertaken because, not only is the methodology of evaluation necessarily complex, but a precise definition of the field is difficult.

In order to define the full scope of the interests of people working in the field of emergency management, subject profiles representative of the interests of each unit within FEMA were developed. Documents created by FEMA units, literature in the field of emergency management, FEMA organization charts, and telephone interviews with designated representatives of each unit within FEMA were all used in the development of these profiles.

The profiles had to be specific enough to reflect accurately the specific interests of each FEMA unit, yet general enough to approximate all of the relevant literature on each topic. They were developed to both screen potential databases and to provide an estimate of the total amount of information relevant to the overall interests of each FEMA unit in each selected database. In an actual online search, more specific limiting terms would be used to focus in on one particular interest of a researcher. The subject profiles developed for this project had to be a compromise between the general and specific areas of interest within each unit.

Many of the keywords of interest to one FEMA unit are also of interest to another FEMA unit. When this occurred, terms were searched only once but the number of postings was associated with both application areas. Also, many concepts could be loosely grouped together into similar subject areas. The completed subject profiles do not, therefore, correspond exactly to all of the individual units but to clusters of interests within FEMA. These loose groupings were for the convenience of the searching process and may appear somewhat arbitrary to a subject specialist. This grouping does not adversely affect the profile testing because these profiles reveal an overview of information on

topics within a database rather than specific items on a detailed information need and because the number of citations for most separate terms, as well as grouped terms, were retrieved.

In addition, profiles reflecting the field of emergency management in general were developed. These profiles are necessary to search for information on general concepts such as disaster planning, natural or man-made disasters or hazards, and emergency management.

Final subject profiles are included in Appendix 1.

2.2 Identification of Databases

Because the field of emergency management potentially encompasses so many disciplines, there is no clear-cut body of literature or database associated with emergency management. For this reason, almost 800 databases were reviewed as possible candidates for inclusion in a FEMA Database Directory. Descriptions of these databases were examined in the 1982 Edition of Computer-Readable Databases: A Directory and Data Sourcebook (Williams). Also, phone calls to knowledgeable people in the emergency management field were made and databases described in the literature of specific subject subsets of emergency management were examined in an attempt to identify additional relevant databases.

Of the almost 800 databases examined, almost 200 were selected as being potentially relevant to the wide-ranging interests of FEMA. Selection was made based on the subject profiles described in 2.1. Database descriptions and subject headings given in the Directory and the experience and knowledge of the study team helped to identify appropriate databases. A short justification for their inclusion was written and the approximately 200 selected databases were separated into the following categories:

- a. Most appropriate databases, publicly available online
- b. Additional appropriate databases, publicly available online
- c. Appropriate databases, not publicly available.
- d. Appropriate databases, accessible in batch mode only
- e. Databases of potential interest but requiring further analysis

A list of these databases of potential relevance to FEMA and the justification for their inclusion is included as Appendix 2.

2.3 Online Test of Databases

2.3.1 Overview of Possible Methodologies

Online evaluation of the coverage of specific databases has been attempted many times using several different methodologies. A good summary of the possible methodologies is provided by Yska and Martyn in their 1976 report for the Commission of the European Communities, Databases Suitable for Users of Environmental Information (Yska and Martyn, pp. 6-8).

They identify the following five possible techniques for evaluation of database coverage:

- Technique 1: Bibliography
- Technique 2: Journal titles--comprehensive coverage
- Technique 3: Journal titles--sample only
- Technique 4: Question array
- Technique 5: Subject Profile

Technique 1, Bibliography, entails finding a comprehensive bibliography on a specific topic and checking each citation (or a sample of citations) in that bibliography for its inclusion in the database. This technique relies on the existence of a comprehensive bibliography, or, in the case of a multidisciplinary field such as emergency management, a series of comprehensive bibliographies in each area of interest. Citations from each subject bibliography must be tested in every selected database, a process that is extremely labor-intensive, time consuming and consequently, expensive.

Like Yska and Martyn, we must conclude that this technique is impractical (and probably impossible) in a multidisciplinary field or in the examination of a number of databases.

Technique 2, Journal titles--comprehensive coverage, relies on a comparison of journal titles covered in databases to determine their similarity of coverage. Unfortunately, many databases do not provide lists of all journals covered

nor do they comprehensively cover all journals scanned. Reviewing citations for comprehensive journal coverage is time consuming and expensive. Also, the results of this methodology are of questionable value, as it includes only journal information (and excludes reports, books, research, etc.) and provides no real breakdown of the databases by subject coverage.

Technique 3, Journal titles--sample only, suffers from the same questionable assumption as Technique 2 that a comparison of journal titles provides useful information on subject coverage. This technique takes samples from a set of periodicals and examines databases for their inclusion. An appropriate set would be very difficult to identify in the field of emergency management, so this technique is inappropriate in a multidatabase test in a multidisciplinary subject.

Technique 4, Question array, tests on various databases a sample array of specific real questions from practitioners in the field under study. Problems with this approach include the uncertainty that the questions are representative of the field as a whole, the fact that it does not provide comprehensive information on coverage and its reliance on strategies developed by a single searcher. This technique can be used to compare several databases for their coverage on the specific questions in the array, but was judged to be too limited for the FEMA study.

Technique 5, Subject profile, is a technique used by Williams in her development of an automatic Data Base Selector (Williams and Preece) and is the one chosen by Yska and Martyn. This technique employs a number of subject profiles representative of the entire field under study which are searched against potential databases. According to Yska and Martyn:

The results provide an indication of the search product to be expected over a number of areas by each base, and indications of the relative specializations of the bases studied. (p. 8)

An expansion of Technique 5 was proposed for this project and was used in the study.

2.3.2 Chosen Methodology

As in the Yska-Martyn study, subject profiles were developed for all areas comprising the multidisciplinary field. (See 2.1) These comprehensive profiles were tested on the fifteen databases that were judged to be of most potential relevance. Unlike the Yska-Martyn study, a measurement of citation relevance for the most general profiles was made to eliminate false drops that result from differences of meaning for broad words among disciplines.

The "General" profile of emergency management terms (See Appendix 1:1a) was run in all fifteen databases. A random sample of sixty citations from the resultant set was then printed for each database. These sample citations were examined for relevance to FEMA's mission, with obvious false drops eliminated. The percentage of relevant citations could then be used to provide an accurate estimate (at the 90% confidence level) of the number of citations within each database that are of interest to FEMA's general interests. The results of this evaluation are given in Section 3.1 and Appendix 3.

Subject-specific profiles were also run in each database but, for practical reasons, samples of citations from each profile for every database were not taken. Specific terminology is less prone to multiple meanings, so the number of false drops for these profiles should be less than for the general terms.

Analysis of the citations and presentations of the findings from the online tests of all profiles on all fifteen databases are given in Section 3.

3. ANALYSIS OF FINDINGS

3.1 Number of Relevant Citations

The study provided estimates of the total number of citations in each database that are related to the general and specific interests of FEMA units. (See Appendices 3 and 4.) The first general profile was adjusted for relevance based on a random sample of citations from each database, while the specific profiles represent unadjusted citation counts for the terms searched. It can be expected that the actual relevant citation counts for most of the specific profiles on most databases are 5-15% less than the figures shown in Appendix 4. These categories are not mutually exclusive; some citations may appear in several categories. A document on mitigation of natural hazards may, for instance, contain a mention of floods, earthquakes, tornadoes, hurricanes, etc. If all of these terms are mentioned within the citation it would appear in all of the subject counts. Adding together the counts for all profiles will therefore give a figure larger than the actual total relevant citation count of a database. Hence we have presented for each subject profile a figure indicating an estimated percent of the database that is likely to contain references on the topic of the profile.

It should also be mentioned that this methodology biases the count toward databases that have abstracts, which are therefore more likely to be retrieved by a number of specific terms. Since retrieval in an actual online search is also biased towards these databases, this was not considered to be a problem.

3.2 Adjustments

It is difficult to draw meaningful comparisons from the total numbers given in Appendices 3 and 4 because the years covered and total amount of information in each database varies so tremendously. For this reason, adjusted figures were

calculated that show the number of FEMA-related citations for each year of coverage, the number of FEMA-related citations added each year, and the percentage of each database that is material of interest to FEMA. These adjusted figures are given in Appendices 5 and 6.

The number of FEMA-related citations per year of coverage and added each year provide an indication of the timeliness of the database. The percentage of each database that is FEMA-related provides a "level of effort" indication--that is, it indicates how many non-relevant citations may have to be searched to find the relevant ones. (The percent of false drops discovered in the evaluation of the sample of citations from the general profile also provides a level of effort indication as they need to be examined in order to be rejected.)

3.3 Sample Citations

Sixty sample citations retrieved by the general profile from each database were printed to check for relevance. In addition, several citations from all specific profiles were printed to spot-check these profiles. Appendix 7 shows sample citations from each of the fifteen databases.

3.4 Ranking

The fifteen databases were ranked according to their appropriateness to FEMA as a whole. Criteria chosen for this ranking are based on the preceding analysis and an examination of sample citations. The ranking was based on the combination of the following criteria:

1. Total number of citations of general interest to FEMA
2. Number of citations of general interest to FEMA per year of coverage
3. Number of subjects covered substantially (a database was considered to cover substantially if it contained over 300 citations on that subject).
4. Percent of the database of general interest to FEMA.
5. Number of subjects representing a substantive percent of the database (a subject formed a substantive percent of the database if it was 1% or more).

The results of this ranking are presented in Appendix 8. The overall ranking was derived by adding each of the five ranking criteria together for each database. The database with the highest average ranking score was ranked first overall.

It should be mentioned that some of the databases listed in Appendix 1 as "Additional Relevant Databases" might rank slightly higher than some of the tested databases at the low end of the ranking if such a comprehensive evaluation of them was conducted. Also, the Appendix 8 ranking is for FEMA as a whole and, in some cases, would be different from that for each specific subject interest within FEMA.

Appendix 9 presents a ranking of the fifteen databases by each of the ten specific subject areas tested. (Listed in Appendix 1.) This ranking is by total number of citations on each subject in each database and by number of citations on each subject per year of coverage of each database. Many of the subject-specific databases listed in Appendix 2 would rank higher than some of the fifteen tested databases in their specific subject areas because the fifteen were chosen as those most likely to contain substantial amounts of information of interest to the widest number of FEMA units. A proposal for testing these additional databases will be submitted to FEMA. Further analyses will present a more complete view of the databases containing the most citations of interest to each specific FEMA unit.

3.5 Model Directory

A model "Directory of Word-Oriented Databases of Relevance to FEMA" comprised of the fifteen tested databases was created. (See Appendix 10.) This directory includes the following information about each database:

- database name and description
- name and address of producer
- availability
- subject scope
- indexing policies
- description of data elements
- organizations providing access
- user aids
- reasons for recommending it to FEMA

4. CONCLUSIONS AND RECOMMENDATIONS

A wide variety of word-oriented databases contain information or interest to FEMA. These databases could provide important information sources for all FEMA units, but it is difficult to know how much information of interest to each unit or to FEMA as a whole is contained in each. This study has identified nearly 200 word-oriented databases or potential interest to FEMA; 85 of which are of very high potential interest. Fifteen of these have been examined online and analyzed in detail in order to rank them according to all FEMA interests and to create a customized model for a directory of FEMA-related databases. The other databases of high potential interest to FEMA should be reviewed in more depth with the most likely ones also analyzed and ranked in order to create a comprehensive custom directory of word-oriented databases of interest to all units within FEMA. This directory would allow every FEMA unit to discover easily and consistently the best sources for information in their interest areas.

The model directory is just a beginning. Its creation has demonstrated that a database directory specifically keyed to FEMA's interests is possible and useful. Such a directory with FEMA interest designations will provide a tool of use to all FEMA units.

We recommend that "A Comprehensive Directory of Word-Oriented Databases of Interest to FEMA" be created containing complete directory information on each database, as well as analysis and ranking of the most relevant databases according to FEMA's special interests. Further, we recommend that all databases identified in this report as "Additional Appropriate Databases, Publicly Available Online" be examined in more detail for relevance to FEMA's interests, and that those examined and analyzed online for subject relevance to all units within FEMA be included in the directory.

APPENDICES

- Appendix 1 -- Subject Profiles
- Appendix 2 -- Databases of Potential Relevance to FEMA
- Appendix 3 -- Estimated Number of Citations Relevant to FEMA's General Interests
- Appendix 4 -- Estimated Number of Citations Relevant to FEMA's Specific Interests
- Appendix 5 -- Number of Citations Relevant to FEMA's General Interests (Adjusted)
- Appendix 6 -- Number of Citations Relevant to FEMA's Specific Interests (Adjusted)
- Appendix 7 -- Sample Citations
- Appendix 8 -- General Ranking of 15 Tested Databases
- Appendix 9 -- Ranking of 15 Tested Databases by Areas of Interest
- Appendix 10 -- Model Directory

APPENDIX 1
SUBJECT PROFILES

1. General concepts

- a. Emergency management; natural, man-made or technological disasters; assistance, mitigation, operations, or preparation for emergencies, disasters, or hazards
- b. Evacuation; survivors; crisis relocation; national or international crises; post attack planning
- c. Shelters; ventilation kits

2. National Defense

- a. Preparedness, warning systems, emergency broadcasts, stockpiling, national or civil defense, enemy attack or invasion
- b. Nuclear exchange, war, threat, weapons, blast, bomb, explosions or incidents; fallout; radiological defense

3. Chemical Hazards

Chemical or biological warfare, waste, hazards, storage, accidents, spills; transportation of toxic substances

4. Radiation Hazards

a. Radiation detection, protection, contamination, dosage, leakage or hazards; radioactive wastes, damage or effects

b. Decimeters; geiger counters

c. Shielding

5. Nuclear Power Plants

Accidents or explosions at nuclear power plants; siting of nuclear power plants; nuclear waste

6. Civil disturbances

a. Civil unrest or disturbances; riots; terrorism; sabotage, subversion; assassinations; hijacking; hostages

b. Explosives or bombings

c. Panic

7. Fire

a. All aspects of fires and fire prevention; arson

b. Combustible or flammable materials

8. Flood

- a. Floods; flooding; floodprone areas; floodplains
- b. Dams, embankments, reservoirs, levees or spillways
- c. Inundation

9. Storm-Related Natural Disasters

- a. Tidal waves; hurricane waves; storm waves; seismic sea waves; tsunami; seiche; storm surges; storm tides
- b. Tornadoes or cyclones; typhoons; water spouts; gale winds; hurricanes; other high winds
- c. Runoff; stream flow; salt wedges; ground water; sedimentation
- d. Cold waves; hypothermia; extreme freezing; extreme fog
- e. Blizzards; snowstorms; ice storms; winter storms; hail; sleet; freezing rain, etc.
- f. Thunderstorms
- g. Drought; heat waves; water shortages

10. Geologic (Land-Related) Natural Disasters

- a. Volcanic eruptions; lava; ashfalls or ashflows; pyroclastic
- b. Subsidence; sinkholes; liquifaction
- c. Erosion; shore protection
- d. Landslides; rock slides; mud slides; slope stability; avalanches
- e. Earthquakes; faults; seismic events

11. Miscellaneous Disasters

- a. Oil spills
- b. Plague; pestilence; famine; starvation; epidemic; food-shortage
- c. Building, structural or bridge collapse or failures
- d. Utility or power blackouts

APPENDIX 2

DATABASES OF POTENTIAL RELEVANCE TO FEMA

(In alphabetical order within categories)

A. Most Appropriate Databases, Publicly Available Online (Chosen for Online Testing)

1. Agricultural Online Access (AGRICOLA)--
Worldwide coverage of the literature related to agriculture
2. CA Search (Chemical Abstracts)--
Worldwide coverage of all areas of chemistry.
3. Computerized Engineering Index (COMPENDEX)--
Worldwide coverage of significant engineering literature.
4. DOE Energy Data Base--
Covers international literature relevant to various energy fields.
5. Envirotapes (ENVIROLINE)--
Covers the literature of all major environmental areas.
6. GPO Monthly Catalog, MARC Distribution Service--
Contains all unclassified documents that are produced at government expense.

7. Health Planning and Administration--
Worldwide coverage of health care planning, organization, financing, management, manpower and related subjects.
8. Information Services for the Physics and Engineering Communities (INSPEC)--
Worldwide coverage of literature related to physics, electrical and electronics engineering, computers and control engineering.
9. MEDLARS ONLINE (MEDLINE)--
Worldwide coverage of the biomedical journal literature.
10. National Criminal Justice Reference Service (NCJRS)--
Coverage of the literature of law enforcement and criminal justice.
11. National Technical Information Service Bibliographic Data Base (NTIS)--
Multidisciplinary coverage of unclassified technical reports generated by U. S. Government-sponsored research.
12. POLLUTION ABSTRACTS--
Worldwide coverage of significant technical literature on all major pollution-related topics.
13. Safety Science Abstracts Journal--
Coverage of the literature of safety; including industrial/occupational safety, transportation, aviation and aerospace safety, environmental/ecological safety, medical safety and product liability.

14. Science Citation Index (SciSearch)--

International coverage of the prime journals of science.

15. Smithsonian Science Information Exchange (SSIE)--

Prepublication descriptions of current research projects sponsored by the Federal government.

B. ADDITIONAL APPROPRIATE DATABASES, PUBLICLY AVAILABLE ONLINE

- Abstracts on Health Effects of Environmental Pollutants (HEEP) --
A subset of BIOSIS, HEEP is available as part of TOXLINE through NLM.
Coverage of occupational health; harmful effects of pollution, etc.

- Air Pollution Technical Information Center (APTIC) --
Worldwide coverage of the literature on air quality and air pollution prevention and control.

- AISL Aircraft Accident Database --
Covers all aircraft accidents and occurrences resulting in aircraft being destroyed or permanently taken out of service.

- American Statistics Index (ASI) --
Covers the entire spectrum of social, economic and demographic data collected and analyzed by all branches and agencies of the U.S. Government.

- Aqualine --
Covers information of interest to the water industry, including water resource management; distribution systems; water treatment and quality; wastewater, sewerage and sludge; groundwater, river management and tidal waters, etc.

- Aquatic Sciences and Fisheries Abstracts (ASFA) --
Covers all aspects of the aquatic environment, both marine and fresh water.

B.

- Arctic Science and Technology Information System (ASTIS) --
Covers northern studies, Arctic regions, cold regions.

- BIOSIS Previews --
Worldwide coverage of the entire life sciences field.

- CATALOG ONLINE (CATLINE) --
Full bibliographic data from all monographs, serials, and technical reports catalogued at NLM.

- Chemical-Biological Activities (CBAC) --
Worldwide coverage of literature reporting interactions of chemical substances with biological systems.

- Chemical Industry Notes (CIN) --
Current and worldwide coverage of the key chemical trade and industry periodicals.

- Chemical Regulations and Guidelines System (CRGS) --
Indexes Federal regulatory material dealing with the control of chemical substances.

- Chemical Titles (CT) --
Information for selected articles from 700 leading chemistry and chemical engineering journals. They appear here one month before they appear in Chemical Abstracts.

B.

● Chemicals Identified in Human Biological Media --

Forthcoming as "Human Chemical Exposure." Worldwide coverage on any chemical measured in the body that is not a normal constituent.

● Chemlaw --

Full text of chemical regulations as published in the code of Federal Regulations and as updated by the Federal Register.

● CIS ABSTRACTS (CISILO) --

Worldwide coverage of occupational safety and health. Covers a wide variety of hazards, pathology, control measures, industries, and occupations. Produced in Switzerland.

● Cold Regions Science and Technology Bibliography (CRREL) --

Deals principally with the physics and mechanics of snow, ice, and frozen ground.

● Commonwealth Agricultural Bureau Abstracts (CAB Abstracts) --

Comprehensive coverage of the literature related to the agricultural sciences, and related aspects of applied biology and medicine.

● Conference Papers Index (CPI) --

Covers papers presented at conferences in the fields of engineering, life sciences and physical sciences.

B.

- Congressional Information Service/Index to Congressional Publications and Public Laws (CIS/Index) --
Detailed index and abstracts of every significant publication issued by House, Senate and Joint Committees and Subcommittees of Congress.

- Congressional Record Abstracts (CRECORD) --
Comprehensive coverage of the Congressional Record.

- Criminal Justice Periodical Index --
Coverage of over 100 journals on criminal justice, law enforcement and related subjects. Forthcoming.

- Current Research Information System (CRIS) --
Coverage of the current projects of the research programs of the USDA, State Agricultural Experiment Stations, and other cooperating institutions.

- Defense Market Measures System (DM²) --
Covers the contracts awarded, requests for proposals and R & D sources sought by the federal government related to defense and the space industry.

- Delft Hydro --
Worldwide coverage of hydrology, water management, waves, tides, aquatic pollution, etc.

B.

● Doane Information Center Indexing System (DICIS/DIANE) --

Covers all aspects of agriculture.

● EIS Digests of Environmental Impact Statements --

Covers wide range of environmental issues.

● Electric Power Industry Abstracts (EPIA) --

Covers the literature on electric power plants and related topics.

● Electric Power Research Institute Research and Development Information System (EPRI RDIS) --

Covers information regarding in-process, unpublished R & D projects of the electric utility industry in the U. S.

● Energy Bibliography and Index (EBI) --

Covers all forms of energy with a concentration on nuclear and fossil related fuels, especially coal.

● ENERGYNET --

Directory information on approximately 3000 organizations in energy-related fields.

● Energytapes --

Covers the literature of energy resources, consumption, and conservation.

B.

- Environmental Bibliography (EPB) --
Covers 350 journals publishing articles related to the environment.

- Environmental Mutagen Information Center (EMIC) --
International coverage of chemical mutagen information.

- Environmental Psychology (Envpsych) --
Covers the relationship between people and their environment.

- Excerpta Medica (EMBASE) --
International coverage of the biomedical area.

- Federal Energy Data Index (FEDEX) --
Citations to all publications of the Energy Information Administration.

- Federal Index --
Covers proposed rules, regulations, bill introductions, speeches, hearings, roll calls, contract awards, etc. as covered in Congressional Record, Federal Register, Presidential Documents, Commerce Business Daily, Washington Post and citations to the Code of Federal Regulations, the U. S. Code, House and Senate Bills, and other federal documents.

- Federal Register (FEDREG) --
Comprehensive coverage of the Federal Register.

B.

● Firebase --

Information on wildland fires, and fire-training programs. Contains materials from 1890 on.

● Geo Abstracts --

Worldwide coverage of information on geography, sedimentology, mineralogy, petrology, etc.

● GeoArchive --

International coverage of the geosciences literature.

● Geological Reference File (GeoRef) --

Worldwide coverage of the geosciences literature.

● Geomechanics Abstracts (GMA) --

Covers rock mechanics, soil mechanics, engineering geology, related aspects of mining, civil engineering, etc.

● Information Bank, The --

Coverage of approximately 60 general circulation newspapers and business or financial journals.

● Information Services in Mechanical Engineering (ISMEC) --

Covers international technical literature in mechanical engineering, production engineering, and engineering management.

B.

● IRL Life Sciences Collection --

Worldwide coverage of animal behavior, biochemistry, ecology, microbiology, toxicology, etc.

● ISI/Index to Scientific and Technical Proceedings and Books (ISI/ISTP&B) --

Multidisciplinary database of scientific proceedings and books.

● Law Enforcement and Criminal Justice: Information Database (LE/CJ-ID) --

Comprehensive coverage of full-text of publications that document over a decade of criminal justice research and development.

● Legal Resource Index (LRI) --

Indexes 700 legal journals and 6 national legal newspapers.

● Magazine Index (MI) --

Includes indexing of over 370 popular American magazines.

● Meteorological and Geostrophysical Abstracts (MGA) --

Worldwide coverage of meteorology and related areas.

● National Newspaper Index (NNI) --

Comprehensively indexes the NY Times, Wall Street Journal and the Christian Science Monitor.

B.

● National Referral Center Master File (NRCM) --

Contains information on organizations that are information resources on virtually any subject.

● NEW YORK TIMES ONLINE --

Full text version of the New York Times.

● Newsearch: The Daily Index (Newsearch) --

Daily indexing of the periodicals in Magazine Index, newspapers in National Newspaper Index, journalism management contents, and journals and newspapers in Legal Resource Index.

● Newspaper Index (NDEX) --

Index of 23 newspapers.

● NEXIS --

Full text of all general and business news covered in a variety of newspapers, magazines and wire services.

● Oceanic Abstracts --

Worldwide coverage of significant technical literature on all major ocean-related topics.

B.

- Oil and Hazardous Materials Technical Assistance Data System (OHM-TADS) --
All information pertinent to spill response efforts related to any material designated as an oil or hazardous material.

- Pesticidal Literature Documentation (PESTDOC) --
Worldwide coverage of the literature of pesticides and allied data.

- Petroleum Abstracts (TULSA) --
Covers technical literature and patents relevant to the exploration and production of gas and oil, geology, geophysics, geochemistry, etc.

- Population Bibliography --
Covers demography, population, family planning, especially the socio-economic aspects of the field.

- Population Information ONLINE (POPLINE) --
Worldwide coverage of studies on family planning and population.

- POWER --
Complete cataloging records for the main book collection of the DOE Energy Library.

- PRE-MED (PREM) --
Provides indexing to over 100 core journals in the field of clinical medicine prior to their appearance in MEDLARS.

B.

● Psychological Abstracts Information Service (PsycINFO) --

Covers the world's literature in psychology and other behavioral sciences.

● Public Affairs Information Service (PAIS) --

Coverage of publications pertaining to the social sciences, economics, and public affairs.

● Registry of Toxic Effects of Chemical Substances (RTECS) --

Includes in vivo acute and chronic toxicity data, in vitro mutagenesis data, and primary skin and eye irritation data on over 45,000 chemical substances.

● Selected Water Resources Abstracts (WRA) --

Covers the water-related aspects of the life, physical, and social sciences as well as related engineering and legal aspects of water.

● Social Sciences Citation Index (SSCI) --

Worldwide coverage of the prime journals of the social sciences in addition to the related journals of the natural, physical and biomedical sciences.

● Sociological Abstracts --

International coverage of sociology.

B.

● Standards and Specifications --

Contains references to standards, specifications, and related documents.

● State Publications Index (SPI) --

Covers state agency publications issued by the 50 U.S. states.

● Toxic Substances Control Act Initial Inventory (TSCA Initial Inventory) --

Listing of Chemical substances in commercial use in the U.S.

● Toxicology Data Bank (TDB) --

Chemical, physical, pharmacological, and toxicological facts and data.

● Toxicology Information On-Line (TOXLINE) --

Animal and human toxicity studies.

● TRIS-ON-LINE (TRIS) --

On-going or recently completed transportation research projects and abstracts of the transportation research literature.

C. NOT PUBLICLY AVAILABLE

● Chemical Propulsion Abstracts (CPA) --

Covers chemical propulsion, propellants, explosives, pyrotechnics, materials and construction, and safety and hazards.

● Computer Retrieval of Information on Scientific Projects (CRISP) --

Research projects supported through the various research grants and contracts programs of the Public Health Service or conducted intermurally by NIH and NIMH.

● Criticality Experiments, 1943-1978 -- An Annotated Bibliography --

Citations to the literature describing nuclear criticality experiments of 1040 worldwide experimenters at 37 laboratories.

● Defense Technical Information Center (DTIC) --

Multidisciplinary coverage of the classified and unclassified technical reports generated by U.S. Government-sponsored research.

● Evaluated Nuclear Structure Data, Table of Isotopes --

Measured properties for 2600 known isotopes, both stable and radioactive.

● Index to Energy and Environmentally Related Databases and Models Used in the Department of Energy (1977) --

Summary index of 74 models and 185 databases relevant to energy and the environment.

c.

● International Relations Information System (IRIS) --

Information on international relations, foreign policy, international security, defense policy, etc. Produced in Federal Republic of Germany.

● NASA STI Database (NASA STI) --

NASA STI is the master database that includes the STAR database and IAA database plus internal NASA information. Worldwide coverage of technical report literature related to aerospace information.

● National Index of Computer-Readable Energy and Environmentally Related Databases --

1965-1975 compendium of databases on energy and the environment.

● National Institute for Occupational Safety and Health Technical Information Center (NIOSH TIC) --

Worldwide coverage of the open literature relating to occupational safety and health research activity.

● National Rural Communities Facility Assessment Study --

Currently under development by Abt Associates. Capital infrastructure of U.S. rural communities.

● Nuclear Regulatory Commission TERA --

Includes NRC documents and testimony.

C.

● Nuclear Safety Information Center (NSIC) --

Covers the literature related to the design, licensing and operation of nuclear power plants and research reactors.

● Seasonal Thermal Energy Storage --

References to seasonal thermal energy storage concepts and applications.

● University Center for Social and Urban Research, University of Pittsburgh.

Behavior Under Stress Database --

When completed will contain abstracts, citations, and conclusions from documents relating to public behavior under stress.

● U.S.G.S. Databases --

The U.S. Geological Survey has several word-oriented databases available.

D. APPROPRIATE DATABASES, ACCESSIBLE IN BATCH MODE ONLY

- Biomedical Engineering Current Awareness Notification (BECAN) --
Comprehensive coverage of the medical engineering literature.

- Hail Bibliography --
Comprehensive coverage of hail including hail stones, hailstorms, climatology, damage, size-frequency, distribution, modification, etc.

- Index Chemicus Registry System (ICRS) --
Worldwide coverage of the literature on the synthesis and application of organic chemical compounds.

- Mechanical Engineering (MechEn) --
Covers the literature of machinery, mechanical engineering, tooling, and workshop practice. Produced in Sweden.

- Newsbank Library (Newsbank) --
Covers 145 newspapers from 118 U.S. cities.

- Nuclear Structure References (NSR) --
Worldwide coverage of the nuclear physics literature.

- Report Collection Index (RECODEX) --
Energy production from all energy sources. Produced in Sweden.

D.

● Science Data Base --

Covers the literature of the hard sciences, engineering, and biological sciences. Produced by the Ohio State University.

● Social Science Data Base --

Covers the literature of the social sciences. Produced by the Ohio State University.

E. OTHERS OF POTENTIAL INTEREST BUT REQUIRING FURTHER ANALYSIS

● ABI/INFORM --

International coverage of all phases of management and administration.

● Abstract Bulletin of the Institute of Paper Chemistry (PAPERCHEM) --

Current and historical information dealing with the science, technology, raw materials and products of the pulp, paper and related industries.

● Abstracts on Tropical Agriculture --

Practical aspects of tropical and subtropical agriculture, including crop production, crop protection, soils and fertilizers, agricultural engineering, etc.

● Agricultural Information System for Agricultural Sciences and Technology (AGRIS) --

Worldwide coverage of agricultural sciences and technology.

● Aquaculture --

Covers the literature pertinent to growing freshwater, brackish or marine plants and animals.

● Architectural Periodicals Index (API) --

Covers architecture and allied arts, constructional technology, design and environmental studies, etc.

E.

● Asbestos Information (ASB) --

Worldwide coverage of all aspects of asbestos.

● Australian Scientific and Technological Reports Data Base (AUSTRE) --

Scientific and technical reports of Australian origin.

● Banque d'Information Industrielle de Pont-a-Mousson (BIIPAM) --

Forty-fifty percent in English; covers industrial information in the field of engineering and metallurgy.

● BHRA Fluid Engineering Abstracts (FLUIDEX) --

Covers fluid engineering, from flow in pipes to wind effects on structures.

● BI/DATA --

Contains economic and demographic data for over 130 countries, from the U.N.

● Boreal Library Catalogue (Boreal) --

All subjects pertaining to polar and cold regions of the world with emphasis on western Canadian Arctic.

● Canada Institute for Scientific and Technical Information (CISTI) Catalogue (OON) --

Conferences and all science, technology and medicine monographs in CISTI catalogue.

● Canadian Environment (CENV) --

Environment and water-related scientific and technical publications in Canada.

E.

- Canadian Transportation Documentation System (CTDS) --
Contains holdings of Transport Canada Library and others. Covers a variety of transportation topics including road safety, aircraft and airports, etc.

- CANCER Literature Information On-Line (CANCERLIT) --
Covers information on all cancer related subject matters.

- CANCER Research Projects (CANCERPROJ) --
On-going cancer research projects.

- CANCERNET --
Covers the literature on cancer, virology, immunology, radiobiology. Produced in France.

- Coal Data Base --
Covers all areas relevant to the coal industry.

- Communications Information (COMM) -- Covers all aspects of mass communications and telecommunications, including satellite communications, regulation, computer communication, etc.

- Comprehensive Dissertation Index (CDI) --
Citations to doctoral dissertations for degrees granted from 1861 to present in the U.S. and Canada.

- Conference Proceedings Index (CPI) --
Conference proceedings received by the British Library Lending Division.

E.

● Data Reference (D-REF) --

Full text descriptions of data holdings in Canada on lands, forestry, wild-life and water resources.

● Directory and Locator Data Base (DIR/LOC) --

Contains descriptive information about major worldwide organizations and services involved in solar and renewable energy. Planned for 1982 by SERI and UNESCO.

● Distribution Register of Organic Pollutants in Water (WDROP or WaterDROP) --

Covers citations to identifications of organic water pollutants.

● DOCOCEAN --

Covers oceanography, including ecological, biological, physical, chemical and geological aspects. Produced in France.

● Dow Jones News/Retrieval Service (Dow Jones) --

Latest news and other current and historical information on companies, government agencies, national and international economic affairs, and other matters that can have an effect on business judgements and decisions.

● ECONOMICS ABSTRACTS INTERNATIONAL --

Coverage of the world's literature on markets, investment climate and the economic situation in all countries and branches of industry.

E.

● EDF-DOC --

Worldwide coverage of telecommunications, electronics, energy, pollution, electric power, thermal and nuclear power plants, etc. Produced in France.

● Electronic Properties Information Center (EPIC) --

Covers the world's open literature of electronic properties of materials.

● Electronics and Computers (ELCOM) --

Includes coverage of computer privacy, security and legal issues.

● Encyclopedia of Associations (EA) --

Contact etc. information about over 14,000 organizations and associations in the U.S.

● Energy-Information Database (E-ID) --

Worldwide coverage of engineering and energy-related information.

● Energy Projects (ENG) --

Covers on-going energy projects in Canada.

● ERIC --

Coverage of all areas of education.

● Euroabstracts: Projects Sponsored by European Coal and Steel Community, Euratom, and EEC (EABS) --

Research on nuclear and new sources of energy, coal and steel, radiation protection as sponsored by the Commission of the European Communities.

E.

● Family Resources Database --

Covers worldwide literature and works in progress in sociology, psychology and psychiatry and other fields as related to the family.

● FDA Document Data Base (DOCUSEARCH) --

Unpublished food and drug administration documents.

● Federal-State Reports-Legislative Tracking System --

Monitoring of proposed legislation and regulations at the state and Federal level for the U.S. and Canada.

● Fish and Wildlife Reference Service (FWRS) --

Covers the literature pertaining to American fish and wildlife.

● Food Science and Technology Abstracts (FSTA) --

Coverage of all aspects of the literature of food science and technology.

● Foods Adlibra --

Covers all facets of the food industry.

● Georoad --

Covers geotechnique, roads, traffic, traffic safety, vehicles, transportation planning.

● Highway Safety Literature (HSL) --

Publications acquired by the National Highway Traffic Safety Administration.

E.

● IALINE --

Technical, scientific and economic aspects of the food industry. Produced in France.

● Illinois Floodplain Information Repository --

Floodplain hydrology and hydraulics from engineering studies done on Illinois rivers.

● Index to API Abstracts/Literature (APILIT) --

Worldwide coverage of the significant technical literature of the petroleum refining and petro-chemical industry, and synthetic fuels.

● INKA Corporate in Energy, Nuclear Research and Technology, Aeronautics, Astronautics, Space Research, Physics, Mathematics, Astronomy (INKA-CORP) --

Corporations and affiliations in energy, nuclear research and technology, aeronautics, astronautics, space research, physics, mathematics, astronomy. Produced in Federal Republic of Germany.

● Instructional Resources Information System (IRIS) --

Educational and instructional materials on water quality and wastewater treatment.

● International Nuclear Information System (INIS) --

Worldwide coverage of the literature dealing with peaceful uses of nuclear science and technology. Produced in Austria.

E.

- International Road Research Documentation (IRRD) --
Roads, traffic, traffic safety, vehicles, road-related transport.

- IPA Information System --
Covers worldwide literature of pharmacy, medical and health-related publications relating to pharmacy or pharmaceuticals.

- Japan Information Center of Science and Technology (JICST file) --
Worldwide coverage of literature and on-going research in all areas of science and technology. Produced in Japan.

- LEXIS --
Full-text of Federal and State court reported cases, Federal and State constitutions, codes, rules, and regulations, decisions from certain Government agencies, and material related to specific subject matters.

- LIBCON --
Extensive coverage of the monographic literature and some non-print materials catalogued by the U.S. Library of Congress.

- Local Government Information Network (LOGIN) --
Information on how urban issues, problems and opportunities are being addressed through innovative local government practices.

- Machine Readable Cataloging (MARC) --
Several databases providing access to all books, films, maps, and serials catalogued by the U.S. Library of Congress and National Library of Canada.

E.

- Management Contents Data Base (Management) --
Worldwide coverage of business, economics, management, etc.

- Maritime Research Information Service (MRIS) --
Worldwide coverage of publications dealing with maritime research and the maritime industry.

- MARNA --
Worldwide coverage of shipping and navigation, ports and waterways, offshore oil and gas, ocean mining, etc. Produced in the Netherlands.

- Medical Documents (MEDOC) --
Index to health-related U.S. government documents received at Spencer S. Eccles Health Sciences Library, University of Utah.

- National Clearinghouse for Mental Health Information Data Base (NCMHI) --
Worldwide coverage of the mental health literature.

- National Geothermal Information Resource (GRID) --
Includes site dependent and basic data dealing with geothermal energy.

- Nondestructive Testing Information Analysis Center (NTIAC) --
Covers the international literature related to nondestructive testing and/or evaluation techniques and processes, involving material-energy interaction phenomena.

E.

●Pharmaceutical News Index (PNI) --

Provides indexing of six leading pharmaceutical industry newsletters.

●PREDICASTS Indexes (PTS Indexes) --

International coverage of significant business information on countries, companies, or industries.

●REMARC Database --

Contains all records from the Library of Congress shelflist in MARC format which have not been previously put into LC's own MARC system.

●Searchable Physics Information Notices (SPIN) --

Covers physics and astronomy journal literature.

●Social Science Information System (SSIS) --

Covers the periodical literature from all fields of the social sciences but concentrates on Canadian publications.

●Society of Automotive Engineering Abstracts (SAE Abstracts) --

Covers information concerned with all types of vehicles.

●Solid Waste Management (SOL) --

Covers solid waste management projects in Canada.

●TECH-NET --

Indexes government and industry specifications and standards and vendor catalog data.

E.

●Textile Information Treatment Users' Service (TITUS) --

Covers the literature related to goods and materials for the textile and related industries.

●U.S. Political Science Documents (USPSD) --

Covers the broad field of political science.

●Union Catalog of Medical Monographs and Multimedia (UCOM 11) --

Biomedical and health science monographs and multimedia.

●Union Catalog of Medical Periodicals (UCMP) --

Titles and bibliographic data of over 52,000 periodicals and serial publications pertinent to medicine and the health sciences.

●Waste Management and Resources Recovery Information Database (WM/RR-ID) --

Comprehensive coverage of solid, liquid, hazardous, and nuclear wastes management.

●WATERLIT --

Covers the international water literature available in South Africa.

●WESTLAW --

Full text of opinions including headnotes and synopses covering state court cases. Supreme court cases are available from 1932 to date. A database containing Shepard's citations is also available.

E.

● World Textile Abstracts Database --

Covers literature on the science, technology, economics and technical management of the textile and related industries.

APPENDIX 3
ESTIMATED NUMBER OF
CITATIONS RELEVANT
TO FEMA'S GENERAL INTERESTS
(Profile # 1a only)

A	B	C	D	E	E
DATABASE	Vendor Tested	Number of Potentially Relevant Citations	% of False Drops ¹	Number of Relevant Citations (less false drops)	Confidence Interval (at 90% Confidence Level) (for Column E)
AGRICOLA	BRS	545	22.06%	425	+ 6.4% (460-390)
CA SEARCH	BRS	594	5.88%	559	+ 3.7% (581-537)
COMPENDEX	BRS & DIALOG	2210	16.20%	1852	+ 5.5% (1974-1730)
DOE Energy	BRS	7480	18.60%	6089	+ 5.7% (6519-5659)
Envirotapes	BRS	1353	4.48%	1292	+ 3.2% (1335-1249)
EPO Monthly	BRS	2500	1.60%	2460	+ 2.04% (2500-2410)
Health Planning and Administration ²	BRS	998	7.58%	922	+ 4.2% (964-880)
INSPEC	BRS	697	18.57%	568	+ 5.95% (609-526)
MEDLINE ²	BRS	637	23.81%	485	+ 6.9% (529-441)
NCJRS	DIALOG	1155	34.80%	753	+ 7.3% (837-669)
NTIS	BRS	4700	6.36%	4401	+ 3.9% (4584-4218)
POLLUTION ABSTRACTS	BRS	857	4.60%	818	+ 3.3% (846-789)
Safety Science Abstracts	Orbit	826	9.70%	746	(examined entire population)
SciSearch	DIALOG	241	41.00%	142	+ 6.7% (132-152)
SSIE	BRS	5486	21.30%	4317	+ 6.7% (4685-3950)

¹False drops, or irrelevant citations retrieved with the general profile terms, may vary according to database indexing policy and multiple meanings of words.

²These databases were searched using MESH Tree Structure Numbers instead of the subject profile

APPENDIX 4 (Cont'd.)

DATABASE

MAJOR FEMA INTEREST AREAS

	Agri- cola	CA Search	COMPI- ENRFX	DOE	Enviro- tapes	GPO Monthly	Inspec	NCJRS	NTIS	Pollution	SAFETY	SCI- SEARCH	SSIE	Health	MEDLINE
9. Climatological															
a. Tsunami; storm waves, etc.	17	152	1138	1699	40	35	1754	N/A	601	10	152	229	1399		
b. Tornadoes, hurricanes, etc.	352	N/A	1488	2974	263	149	1563	N/A	2354	251	324	695	1037		
c. Runoff	2956	5064	6289	8458	4644	385	1777	N/A	4778	2668	566	2285	7062		
d. Cold weather	100	806	260	267	64	17	102	N/A	558	28	80	848	1274		
e. Blizzards, snowstorms, etc.	276	173	273	304	64	50	433	N/A	496	23	139	272	517		
f. Thunderstorms	53	111	856	1237	36	70	1534	N/A	899	7	227	516	597		
g. Drought	1495	324	183	194	530	46	149	N/A	307	39	134	444	2656		
TOTAL	5249	6630	10487	15133	5641	752	7312	N/A	9993	3026	1622	5289	14542	1454	20926
% of the Database	.48%	.3%	1.8%	1.7%	6.1%	.6%	.98%		3.5%	3.8%	1.9%	.23%	3.6%	.73%	2.4%
10. Geologic															
a. Volcanos	509	4784	852	3413	144	76	1690	N/A	813	89	84	1580	1328		(See under Floods)
b. Subsidence	93	33	439	1196	124	17	213	N/A	424	27	31	92	510		
c. Erosion	2885	1435	2934	3612	1543	180	1504	N/A	3029	349	234	821	3175		
d. Landslides	267	555	1896	1049	81	29	1628	N/A	836	17	91	543	692		
e. Earthquakes	80	495	4858+	10019	359	288	5544	N/A	4987	58	1012	3323	3964		
TOTAL	3834	7302	10979+	19589	2251	590	10579	N/A	10089	540	1452	6359	9669		
% of the Database	.35%	.33%	1.8%+	2.2%	2.4%	.47%	1.4%		3.6%	.7%	1.7%	.27%	2.4%		
11. Miscellaneous															
a. Oilspills	111	662	629	2541	1678	134	48	2	762	1540	253	142	185	N/A	N/A
b. Famine, plague, etc.	3746	1623	228	385	1232	74	152	106	628	116	523	2075	4515	94	1066
c. Construction failures	208	663	5860	15771	415	300	2840	800	6224	235	836	183	5881	N/A	N/A
d. Blackouts	51	205	2757	16995	547	150	2161	231	3089	103	175	79	1620	N/A	N/A
TOTAL	4116	3153	9474	54389	3872	658	5201	1139	10703	1994	1787	2479	12201	94	1066
% of the Database	.38%	.14%	1.6%	6.2%	4.2%	.52%	.7%	1.8%	3.8%	2.5%	2.1%	.11%	3.0%	.05%	.12%

NUMBER OF CITATIONS RELEVANT
TO FEMA'S GENERAL INTERESTS
(ADJUSTED) (Profile 1a only)

DATABASE	VENDOR TESTED	YEARS TESTED ONLINE	MONTHS ONLINE	CITATIONS ADDED EACH YEAR	TOTAL CITATIONS IN DATABASE	RELEVANT CITATIONS PER YEAR OF COVERAGE	% OF DATABASES RELEVANT TO GENERAL INTERESTS ²
AGRICOLA	BRS	1975- Feb 1982	86	132,000	1,095,730	59	.04%
CA SEARCH	BRS	1977- (3) Jan 1982	61	400,000	2,229,828	110	.03%
COMPENDEX	DIALOG	1976- Feb 1982	74	43,000	596,543	300	.30%
DOE Energy	BRS	1974- Feb 1982	98	45,500	883,364	746	.70%
Envirotapes	BRS	1971- March 1982	135	7,150	92,095	115	1.40%
PO Monthly	BRS	July 1976- Oct 1981	64	16,800	126,208	461	1.95%
Health Plan- ing and Administration ¹	BRS	1974- March 1982	99	22,500	198,360	112	.50%
INSPEC	BRS	1977- Feb 1982	62	174,000	745,972	110	.008%
MEDLINE ¹	BRS	1979- (4) April 1982	28	202,000	857,026	208	.06%
NCJRS	DIALOG	1972- Jan 1982	121	12,000	65,000	75	1.20%
TIS	BRS	1975- March 1982	87	50,000	281,583	607	1.60%
Pollution Abstracts	BRS	1970- Dec 1981	144	2,700	79,627	68	1.00%
Safety Science Abstracts	Orbit	June 1975- April 1981	67	13,200	87,000 Approx.	134	.90%
SciSearch	DIALOG	1978- (5) Jan 1982	25	500,000	2,346,288	68	.03%
SIE	BRS	1977- Feb 1982	62	96,000	408,208	836	1.10%

These databases were searched using MESH Tree Structure numbers instead of the subject prof

² Indexing policy causes some variance in this figure.

³ 1967-1976 are also available online via DIALOG.

⁴ 1966-1978 are also available online via DIALOG.

⁵ 1974-1977 are also available online via DIALOG.

APPENDIX 6
FEMA RELATED SPECIFIC CITATIONS PER YEAR OF COVERAGE

MAJOR FEMA INTEREST AREAS

DATABASE

	Agri- cola	CA Search	COMP- ENDEX	DOE	Enviro- tapes	GPO Monthly	Inspec	MC-JRS	NTIS	Pollution	SAFETY	SCI- SEARCHII	SSIE	Health	MEDLINE
- For analysis see Appendix 5 -															
1. General Concepts															
2. National Defense	23	9	91	205	17	131	62	48	365	7	92	92	240		
a. Preparedness															
Civil Defense															
b. Nuclear Threat	12	185	54	698	37	44	112	8	256	53	86	126	320		
TOTAL	35	194	145	903	54	175	174	56	621	60	178	218	560	31	330
% of the citations added each year	.03%	.05%	.34%	2.2%	.75%	1.0%	.1%	.47%	1.2%	2.2%	1.3%	.04%	.58%	.14%	.16%
3. Chemical Hazards	381	14313	4080	15749	1787	178	2011	46	2302	641	349	1284	23916	---	149
% of the citations added each year	.29%	3.6%	9.5%	34.6%	25%	1.1%	1.2%	.47%	4.6%	23.7%	2.6%	.26%	24.9%	---	.07%
4. Radiation Hazards	175	7094	2159	12855	422	210	2990	3	1977	356	248	288	5893		
a. Radiation		4	12	8	---	---	21	---	4	---	3	8	1		
b. Detectors		275	225	634	4	8	416	---	259	8	27	258	87		
c. Shielding	2														
TOTAL	177	7352	2364	13211	423	218	3360	3	2189	360	273	465	5948	221	4546
% of the citations added each year	.13%	1.8%	5.5%	29.2%	5.9%	1.3%	1.9%	.03%	4.4%	13.3%	2.1%	.09%	6.2%	.98%	2.3%
5. Nuclear Power Safety	9	1087	685	4872	181	212	543	3	897	105	116	98	705	11	71
% of the citations added each year	---	.27%	1.6%	10.7%	2.5%	1.3%	.31%	.03%	1.8%	3.9%	.88%	.02%	.73%	.05%	.04%
6. Civil Strife	30	18	19	81	11	27	25	370	88	3	14	63	1166	4	9
a. Riots, terrorism, etc.	31	921	510	1354	39	46	569	81	663+	41	129	730	678	11	62
b. Explosives; bombing		N/A	2	4	2	0	4	6	4	1	3	28	6	---	---
c. Panic	N/A														
TOTAL	61	938	531	1435	52	73	598	455	754+	45	145	820	1849	14	70
% of the citations added each year	.05%	.23%	1.2%	3.2%	.73%	.43%	.34%	3.8%	1.5%	1.7%	1.1%	.16%	1.9%	.06%	.03%
7. Fire	340	1740	411	615	36	129	675	245	353	70	556	974	490	5	44
a. Fires; arson	51	2502	1720	4638	146	119	478	4	1357	191	196	871	735	N/A	N/A
b. Combustion	386	4055	1981	5115	178	243	650	249	1635	208	708	1828	1151	5	44
TOTAL	386	4055	1981	5115	178	243	650	249	1635	208	708	1828	1151	5	44
% of the citations added each year	.3%	1.2%	4.6%	11.2%	2.5%	1.4%	.37%	2.1%	3.3%	7.7%	5.4%	.37%	1.2%	.02%	.02%

APPENDIX 6 (Cont'd.)

MAJOR FEMA INTEREST AREAS

DATABASE

	Agri- cola	CA Search	CUMP- ENDEX	DOE	Enviro- tapes	GPO Monthly	Inspec	MCJRS	NTIS	Pollution	SAFETY	SCI- SEARCH	SSIE	Health	Medicine
8. Flood															
a. Floods, flooding	360	249	431	536	132	1092	134	N/A	579	26	78	436	391		(All Natural)
b. Dams	341	436	1008	1834	178	87	342	N/A	1054	61	87	860	902		Diseasters)
c. Inundation	13	2	50	4	1	1	5		9	---	2	11	17		
TOTAL	660	657	1319	2212	273	1168	456		1321	85	156	1294	1235	3	18
% of the citations added each year	.5%	.16%	3.1%	4.9%	3.8%	7.0%	.26%	N/A	2.6%	3.1%	1.2%	.26%	1.3%	.01%	.01%
9. Climatological															
a. Tsunami; storm waves, etc.	2	30	185	208	4	7	340	N/A	83	1	27	110	271		
b. Tornadoes, hurricanes, etc.	49	N/A	241	364	23	28	303	N/A	325	21	58	334	210		
c. Runoff	412	996	1020	1036	413	72	344	N/A	699	222	101	1097	1367		
d. Cold weather	14	159	42	33	6	3	20	N/A	77	2	14	407	247		
e. Blizzards, snowstorms, etc.	39	34	44	37	6	9	84	N/A	68	2	25	131	100		
f. Thunderstorms	7	22	139	152	3	13	297	N/A	124	---	41	248	116		
g. Drought	209	64	30	24	47	9	29	N/A	42	3	24	213	514		
TOTAL	732	1304	1701	1853	501	141	1415	N/A	1378	252	291	2539	2815	176	8968
% of the citations added each year	.55%	.33%	4.0%	4.1%	7.2	.84%	.81%	N/A	2.8%	9.3%	2.2%	.51%	2.9%	.78%	4.4%
10. Geologic															
a. Volcanos	71	941	138	418	13	14	327	N/A	112	7	15	758	257		(See under Floods)
b. Subsidence	13	6	76	146	11	3	41	N/A	59	2	6	44	99		
c. Erosion	403	282	476	442	137	34	291	N/A	418	29	42	394	615		
d. Landslides	37	109	307	128	7	5	315	N/A	115	1	16	261	134		
e. Earthquakes	11	97	788%	1227	32	54	1073	N/A	688	5	181	1595	767		
TOTAL	535	1435	1780+	2399	200	111	2048	N/A	1392	45	260	3052	1871		
% of the citations added each year	.41%	.36%	4.1%	5.3%	2.8%	.66%	1.2%	N/A	2.8%	1.7%	2.2	.61%	1.9%		
11. Miscellaneous															
a. Ollapillis	15	130	102	311	149	25	9	N/A	105	128	45	68	36	N/A	N/A
b. Famine, plague, etc.	523	319	37	47	110	14	29	11	87	10	94	996	874	11	457
c. Construction failures	29	130	950	1931	37	56	550	79	859	20	150	88	1138	N/A	N/A
d. Blackouts	7	40	447	2081	49	28	418	23	426	9	31	38	314	N/A	N/A
TOTAL	574	619	1536	6660	344	123	1007	113	1476	166	320	1190	2361	11	457
% of the citations added each year	.44%	.15%	3.6%	14.6%	4.8%	.73%	.58%	.94%	3.2	6.2%	2.4%	.24%	2.5%	.05%	.23%

APPENDIX 7

SAMPLE CITATIONS

FROM THE FOLLOWING DATABASES:

AGRICOLA

CA SEARCH

COMPENDEX

DOE Energy

EnviroTapes

GPO Monthly

Health Planning and Administration

INSPEC

MEDLINE

NCJRS

NTIS

Pollution Abstracts

Safety Science Abstracts

SciSearch

SSIE

AGRICOLA

- N 81463832.
 U Sills, David L.
 TI The Three Mile Island nuclear accident: lessons and implications.
 O New York, N.Y.: New York Academy of Sciences, 1981. 343 p. : ill.
 map; 23 cm.
 CN 500 N484 v. 365.
 N 1 OTH.
 R 81..
 LG en..
 NT New York Academy of Sciences. Annals; v. 365. Result of a conference
 held on April 8-10, 1980 by the New York Academy of Sciences.
 Includes bibliographies and index.
 PT n.
 C P130.
 E Three Mile Island Nuclear Power Plant (Pa.) Congresses. Atomic
 power-plants Pennsylvania Accidents Congresses.
- AN 82008049.
 AU Linn, R.
 Smoke and heat detectors Home management; fire safety devices.
 SO Circ Mont State Univ Coop Ext Serv. Rozeman, Kent. The Service. Dec
 1979. (1198). 9 p. : ill.
 C I 275.29 M76C1.
 S I EXT NT..
 YR 79..
 en..
 F a.
 CC U000.
- An 82003986.
 AU Duivendijk, J. van.
 Flood control: a modern systematic and global approach. 1.
 S Land Water Int. The Hague, Netherlands Engineering Consultants;
 NEDECO. 1981. (45). p. 3-7. : ill.
 C TC1. L31.
 S OTH.
 YR 81..
 LG en..
 P a.
 CC P200.

AN 80002432.

AU Solomon, Noel W. Putte, Mancu.

T A view of the medical and nutritional consequences of the earthquake in Guatemala.

SO Public Health Rep. Hyattsville, Md. Health Resources Administration. Mar/Apr 1978. v. 93 (2). p. 161-169. ill.

S OTH. FNC..

YR 78..

LC an..

M ? ref.

PI s.

CC E300.

I Emergencys feeding. Natural disasters. Medical treatment. Injuries. Lactation. Infant feeding. Food distribution. Water supply. Diarrhea. Guatemala.

A Abstract: The Guatemalan earthquake of February 1976 severely strained the delivery of medical and health care to victims. Although national and international relief efforts were activated immediately, health care facilities had been disrupted or destroyed. Most supplies were adequate, but some, such as tetanus toxoid and antibiotics, were scarce. First-aid management was all that could be done initially, but the addition of facilities permitted the establishment of a triage system. Food resources were organized to feed patients, volunteers, and community members. Many nursing mothers complained that their milk had dried up. Outbreaks of epidemic and infectious diseases had to be watched for closely. Patient distrust of modern medicine and communication difficulties between local and multinational volunteers hindered delivery of care. Paralytic rehabilitation, relocation of discharged patients, and rebuilding shelters were the main problems after normalcy was regained.

AN 80001978.

A Gung, Frederick C.

TI Issues in the provision of food aid following disasters.

SO Food Food Nutr. New York, Gordon & Breach. Aug 1979. v. 8 (2). p. 141-143.

S OTH. FNC..

YR 79..

LC an..

PI s.

CC E300.

I Food aid. Food policy. Developing nations. Natural disasters. Government role. Civil defense and disasters. Food supply. Food economics. Food production.

A Abstract: Thousands of tons of food are provided yearly to disaster-hit developing countries. However, in-depth needs assessment and evaluation studies of the impact of these food aid programs has been nonexistent. The four disasters that cause the most concern are earthquakes, civil wars, floods (especially those

caused by cyclonic storms), and droughts. Disasters must be divided into two categories: cataclysmic and long-term continuous disasters. For each affected food production, food supplies, transportation and distribution networks in different ways, and the effect may be local or national. Increased awareness of the types of disasters, of their effect on food production and distribution systems and of the factors available to meet the affected population are needed both to make food aid and its relative impact on a developing country. Research of food aid for the types of disasters and of the impact of that food aid are discussed.

CA SEARCH

CHEM
77-01/82

 AN CA0460-026151.
 AU STRENGE-D-L. PELQUIN-R-A.
 IN BATTELLE PAC. NORTHWEST LAB. RICHLAND. WA. USA..
 TI PEDIC: A COMPUTER PROGRAM TO ESTIMATE THE EFFECT OF EVACUATION ON
 POPULATION EXPOSURE FOLLOWING ACUTE RADIONUCLIDE RELEASES TO THE
 ATMOSPHERE.
 LG EN..
 CD DZKEP..
 PT T.
 RN PNL-363+. INIS; NTIS.
 AV INIS; NTIS.
 CI INIS ATOMINDEX 1961, 12(16), ABSTR. NO. 613472.
 PG 126 PP.
 CC CA171010. CA171.
 DE POPULATION EVACUATION RADIATION ACCIDENT CODE. COMPUTER CODE
 EVACUATION RADIATION ACCIDENT. SAFETY EVACUATION RADIATION
 ACCIDENT. DOSIMETRY EVACUATION RADIATION ACCIDENT.
 ST COMPUTER-PROGRAM. DOSIMETRY. HEALTH-PHYSICS. RADIOELEMENTS:
 BIOLOGICAL-STUDIES.

 AN CA08602008213.
 AU PUSHIN-G-A.
 IN ZAPOROZH. MED. INST. ZAPOROZHE. USSR..
 TI VARIANCE ANALYSIS AS A METHOD FOR STUDYING THE EFFECT OF MULTIPLE
 FACTORS ON THE SICKNESS RATE OF CHEMICAL INDUSTRY WORKERS.
 SO GIG. SANIT. P44-7. 1976.
 YR 76.
 LG ES..
 CD GISAA.
 PT J.
 CC CA057003. CA059.
 DE HEALTH HAZARD SILOXANE PRODN. RESPIRATORY DISEASE SILOXANE PRODN.
 DERMATITIS SILOXANE PRODN. VARIANCE ANALYSIS CHEM SICKNESS. SAFETY
 CHEM INDUSTRY WORKER.
 ST DERMATITIS. HEALTH-HAZARD. RESPIRATORY-TRACT.
 SILOXANES-AND-SILICONES: PREPARATION.

 AN CA09514120559.
 AU PARKER-. WILLIAMS-G-M.
 IN HARWELL LAB. UNITED KINGDOM AT. ENERGY AUTH. OXFORDSHIRE. ENGL..
 TI LANDFILL SITE SELECTION AND OPERATION FOR MUNICIPAL AND HAZARDOUS
 WASTE DISPOSAL.
 SO JIV. ENVIRON. CONTROL PUBLIC HEALTH. 2. P1-37. 1981.
 YR 81.
 LG EN..
 CD DOPHO..
 PT J.
 CC CA060015. CA060.
 DE MUNICIPAL REFUSE LANDFILL DESIGN MANAGEMENT. HAZARDOUS WASTE
 DISPOSAL LANDFILL MANAGEMENT.
 ST WASTE-SOLIDS: HAZARDOUS. WASTE-SOLIDS: LANDFILL. WASTE-SOLIDS:
 MUNICIPAL-REFUSE.
 IS 026-0802.

COMPENDEX

1124882 ID NO. - E1810324882

METHOD TO EVALUATE ELECTROSTATIC HAZARDS IN BULK POWDER HANDLING OPERATIONS.

Dahn, James C.

Saf Consult Eng Inc

Proc Symp Explos Pyrotech 10th, San Francisco, Calif, Feb 14-16 1979. Publ by Franklin Inst, Franklin Res Cent (10 E&P-79), Philadelphia, Pa, 1979 p 29. 1-29. 8 CODEN: PSEPD

Methods have been devised to standardize the Electrostatic Charging Propensity of Bulk Explosives and Pyrotechnics. Also methods have been standardized to characterize the Electrostatic parameters of these materials. From this information manufacturers can evaluate their overall safety hazards and bulk handling of hazardous powders. 4 refs.

DESCRIPTORS: (*MATERIALS HANDLING, *Powders), (EXPLOSIVES, Safe Handling), ELECTROSTATICS.

CARD ALERT: 691, 804, 701

865865 ID NO. - E1780965865

GEOPHYSICAL PREDICTIONS: OVERVIEW AND RECOMMENDATIONS.

Landsberg, H. E.

Am Inst of Med Climatol

Trans Am Geophys Union v 59 n 7 Jul 1978 p 710-718 CODEN:

TAGUAT

The author gives an overview of geophysical methods that can be used to predict such natural disasters as earthquakes, volcanic eruptions, hurricanes, floods, tornadoes and tsunamis (water surges produced by submarine earthquakes). Geophysical predictions can help in assessing the risks of these natural catastrophes, thus forestalling casualties and mitigating disasters. Prediction alone is not complete protection for those in potential danger. Adequate and timely communication of such predictions is essential. 12 refs.

DESCRIPTORS: *GEOPHYSICS, EARTHQUAKES, (WATER WAVES, Tsunamis), FLOODS, HURRICANES,

CARD ALERT: 481, 484, 631, 471, 442, 443

1067131 ID NO. - E1800967131

PRACTICES AND PROBLEMS IN FLOOD PLAIN MANAGEMENT.

Tucker, L. Scott

Proc of the Eng Found Conf on Improved Hydrol Forecast--Why and How, Pacific Grove, Calif, Mar 25-30 1979 Publ by ASCE, New York, NY, 1980 p 333-341

Most flood plain management problems are the result of existing or potential encroachment on nature's prescriptive drainage easements. Also, most of these existing or potential encroachments are related to urbanization and the pressure to develop available open land. The basic objective of flood plain management is to reduce flooding damages in developed flood plains and prevent problems in undeveloped flood plains. This paper discusses practices and problems related to flood plain management. The problems discussed relate to those of urbanization, the National Flood Insurance Program of the Federal Insurance Administration, lack of flood hazard awareness, lack of Federal commitment, flood plain acquisition, maintenance of flood plains and facilities, Federal project authorization procedures, drainage and flood control financing, and detention.

DESCRIPTORS: *FLOOD CONTROL, (REGIONAL PLANNING, Land Use), DRAINAGE,

IDENTIFIERS: FLOOD PLAIN MANAGEMENT

CARD ALERT: 442

N 81-085164.
 N Nuclear Regulatory Commission, Washington, DC (USA). Div. of Safeguards.
 I Safeguards summary event list (SSEL), pre-NRC through December 31, 1979.
 SO Sep 1980, P162.
 AV NTIS, PC A08/MF A01.
 G EN..
 R 80..
 NO RN: NUREG--0525-REV-2.
 T R.
 J EDR, INS.
 GS US..
 C EDR #055001.
 J NUCLEAR-FACILITIES: SAFEGUARDS.
 N FIRES. NUCLEAR-MATERIALS-DIVERSION. NUCLEAR-MATERIALS-MANAGEMENT. SABOTAGE. SAFEGUARDS.
 U MANAGEMENT.
 B The Safeguards Summary Event List (SSEL) provides data on nine categories of Safeguards-related events involving NRC licensed material or licensees. These are the following: Bomb-related events; intrusion events; missing and/or allegedly stolen events; transportation-related events; vandalism events; arson events; firearms-related events; sabotage events; and, miscellaneous events. It is deliberately broad in scope for two main reasons. First, the list is designed to serve as a reference document. It is as complete and accurate as possible. If additional information is obtained on an event, it will be incorporated into future revisions of the list. Second, the list is intended to provide as broad a perspective of the nature of licensee-related events as possible.

N 81-128375.
 U Pulpan-H. Kienle-J.
 IN Alaska Univ. College.
 I Seismic and volcanic risk studies: western Gulf of Alaska.
 O Geology, 13, Apr 1976, P125-137.
 LG EN..
 YR 76..
 D GLGYB.
 T J.
 AJ EDR.
 S US..
 C EDR #020200, 580201, 520500.
 MJ GULF-OF-ALASKA: SEISMICITY. OFFSHORE-OPERATIONS: RISK-ASSESSMENT, SITE-SELECTION.
 N CONTINENTAL-SHELF. DATA-ANALYSIS. ERUPTION. PETROLEUM-DEPOSITS. RESOURCE-DEVELOPMENT. SEISMIC-SURVEYS. TSUNAMIS. VOLCANES.
 U CONTINENTAL-MARGIN. DISASTERS. GEOLOGIC-DEPOSITS. GEOPHYSICAL-SURVEYS. MINERAL-RESOURCES. PACIFIC-OCEAN. RESOURCES. SEAS. SURFACE-WATERS. SURVEYS. WATER-WAVES.
 B The purpose of the study was to assess seismic and volcanic risk in the western Gulf of Alaska, primarily from seismic data. Eight new seismic stations were installed in the study area to provide a high resolution than previously existed. Data analysis of existing seismic data and the new seismic network is in progress. Several major eruptions occurred on Augustine Island during the recent study and seismic data from before and during the eruption are being analyzed. Consequences of seismic and volcanic activity such as severe ground displacements, tsunami run-ups will all have effects of offshore and onshore structure, erected in connection with petroleum development. Ash falls, volcanic heat and pressure waves, mudflows and fast moving glowing clouds near active volcanoes will endanger equipment and crews. This study will provide pertinent input parameters toward deciding where to put these structures and what design criteria to use.

AN 80-00403.
 AU REIKLE-K-M.
 IN CANADA ENV PROTECTION SERVICE, OTTAWA.
 TI INCENDIARY DEVICE FOR OIL SLICK IGNITION.
 SO SPILL TECHNOLOGY NEWSLETTER, MAR-APR 81, V6, N2, P46 (8).
 YR 82.
 PT TECHNICAL FEATURE.
 AV AVAILABLE.
 MJ CONTROLLED-BURNING, OIL-SPILL-CLEANUP, ARCTIC-WATERS,
 MARINE-POLLUTION-EQUIPMENT.
 MN PRODUCT-SAFETY.
 CC OCEANS AND ESTUARIES (12).
 AB THE DESIGN AND DEVELOPMENT OF TWO INCENDIARY DEVICES INTENDED TO BE
 DROPPED FROM AIRCRAFT TO IGNITE CONFINED OIL SLICKS ON ARCTIC MELT
 POOLS AND OTHER REMOTE WATER SURFACES ARE DESCRIBED. FIELD TEST
 RESULTS OF THESE INCENDIARY DEVICES ARE SURVEYED. THE CANISTER NOZZLE
 AND SANDWICH CONFIGURATION ARE DISCUSSED. (3 PHOTOS, 3 REFERENCES, 1
 TABLE).

AN 81-02457.
 AU LANCASTER-HAL.
 TI IN LOS ANGELES AREA, HILLSIDE DWELLERS RISK HOUSEFOLDING OIL
 SO MAIN STREET 3, JAN 2, 81, P1.
 YR 81.
 PT NEWS FEATURE.

AL RAINFALL, CALIFORNIA, HOUSING, LANDSLIDES,
 REGULATIONS-ENVU-STATE-LOCAL.
 LI LITIGATION-ENVU-STATE-LOCAL, LIABILITIES.
 CC LAND USE AND RISKS (09).
 AB DESPITE THE RISKS OF WIDESPREAD BRUSH FIRES, MUDSLIDES, AND
 ROCKSLIDES, HILLSIDE DEVELOPMENT IN LAND-SCARCE LOS ANGELES AREA
 CONTINUES AT A BRISK PACE. THE DAMAGE DUE TO HEAVY RAIN IN 1980
 \$70 MILLION; THE TOTAL DAMAGE IN 1981 COULD BE EVEN GREATER. WHILE
 THE MUNICIPAL GOVERNMENT HAS EXPRESSED EXTENSIVE CONCERN SINCE
 1980, REGULATING REPORTS FROM GEOLOGISTS OR CIVIL ENGINEERS AND
 STRICT SUPERVISION OF SOIL COMPACTION TECHNIQUES, PROVISIONS

AN 81-00396.
 AU TERROSKI-E-HL.
 CC EPRI.
 TI OPEN DECISION MAKING WITHOUT PANIC.
 SO PRESENTED AT ONS EMERGENCY PREPAREDNESS EXECUTIVE CONF, JAN 14-15
 PER 10-13, 80, P124 (2).
 YR 81.
 PT SOCIETY REPORT.
 EM EMERGEN-PLANNING, DECISION-MAKING, PUBLIC-ACCIDENTS,
 RADIATION-ATOMIC, HEALTH-ENVU, NEEDS.
 PT RADIATION-SAFETY, CONF-PAPER.
 CC RADIOLOGICAL CONTAMINATION (01).
 AB EMERGENCY PLANNING AND DECISION-MAKING RELATED TO THE
 ISSUE OF NOT PANIC INTO ACCIDENT AND EMERGENCY
 BEHAVIORAL NEEDS TO GETTING OF SUCH AN EMERGENCY
 SCENARIO TO EMERGENCY PREPAREDNESS AND
 CONDUCT OVERVIEW ANALYSIS TO ALL ABOUT THE
 SCENARIO FOR EMERGENCY RESPONSE TO EMERGENCY
 REQUIRED TO BE DONE TO ALL ABOUT THE
 SCENARIO FOR EMERGENCY RESPONSE TO EMERGENCY
 TO CREATE A NATIONAL EMERGENCY PREPAREDNESS
 FOR THE USE OF PANIC.

- AN 81002992.
 AU Hart, Gary, 1937-.
 I Recent false alerts from the nation's missile attack warning system: report of Gary Hart and Barry Goldwater to the Committee on Armed Services, United States Senate.
 D Washington: U.S. G.P.O., 1980.
 PG iii, 16 p.; ill. ; 24 cm.
 LG end.
 R 1980.
 CN GPO: 1034. GB: Y-4-Ar-5-3-K-69-10.
 NT At head of title: 96th Congress, 2d session. Committee print.
 "October 9, 1980."
 DE Ballistic-missile-early-warning-system; United-States. Distant-early-warning-system; United-States.
 AE Goldwater, Barry K. (Barry Morris); 1909-. United States. Congress. Senate. Committee on Armed Services.

of the consequences that could effect the surviving population of a nuclear war. June 19, 1980.

- AN 81009992.
 I Consideration of three proposals to conduct research on possible health effects of radiation from nuclear weapon testing in Arizona, Nevada, and Utah; and nuclear weapon testing and studies related to health effects: an historical summary; responding to recommendations by the panel of experts on the archive of PHS documents / Interservice Radiation Research Committee.
 D (Bethesda, Md.) : U.S. Dept. of Health and Human Services, Public Health Service, National Institutes of Health, 1980.
 PG vi, 171 p.; maps; 28 cm.
 LG end.
 R 1980.
 CN GB: HE-20-3002-R-11-3.
 SR NIH publication; no. 81-507.
 T Oct. 1980.
 DE Radiation; Physiological-effect. (Atomic-weapon; Testing)
 AE United States. Interservice Radiation Research Committee. National Institutes of Health (U. S.).
- AN 81005306.
 TV United States. Congress. Senate. Committee on Labor and Human Resources. Subcommittee on Health and Scientific Research.
 II Short- and long-term health effects on the surviving population of a nuclear war: hearings before the Subcommittee on Health and Scientific Research of the Committee on Labor and Human Resources, United States Senate, ninety-sixth Congress, second session, on to examine some of the consequences that could effect the surviving population of a nuclear war. June 19, 1980.
 I Washington: U.S. G.P.O., 1980 (i.e., 1981).
 PG iv, 187 p.; 24 cm.
 LG end.
 R 1981.
 CN GPO: 1047. GB: Y-4-L-11-1-4-31-7.
 DE Radiation; Physiological-effect. (Atomic-weapon; Testing)
 AE United States. Congress. Senate. Committee on Labor and Human Resources. Subcommittee on Health and Scientific Research.

AN A81032378.

AU HIRAMATSU, T.

IN COMPUTATION CENTER, NAGOYA UNIV, NAGOYA, JAPAN.

TI URBAN EARTHQUAKE HAZARDS AND RISK ASSESSMENT OF EARTHQUAKE PREDICTION.

SO J. PHYS. EARTH (JAPAN), VOL.28, NO.1, 59-101, 21.

CD JPHEAF.

LG EN.

YR 80.

TC C T.

DE SEISMOLOGY, EARTHQUAKES, HUMAN-FACTORS.

ID EARTHQUAKE HAZARD, RISK ASSESSMENT, EARTHQUAKE PREDICTION, SYSTEMS ANALYSIS, URBAN, WARNING, PANIC, SEISMIC RISK, BUILDING, HUMAN FACTOR, JAPAN, TOKYO.

AB A SYSTEMS ANALYSIS OF EARTHQUAKE HAZARDS IN URBAN AREAS IS CARRIED OUT IN RELATION TO AN ISSUE OF WARNING, IN WHICH THE VIEWPOINT FROM RISK ASSESSMENT IS EMPLOYED. MASS PANIC AND SYSTEMS PANIC ARE DISTINGUISHED, AND THE LATTER IS SHOWN TO BE MUCH MORE CRUCIAL THAN THE FORMER. THE DIFFUSION OF ISSUED INFORMATION IS SIMULATED FOR THE IZU OSHIMA EARTHQUAKE, 1970. IT IS CONCLUDED THAT DUAL INFORMATION CHANNELS AT MASS MEDIA LEVEL AND ADMINISTRATIVE LEVEL ARE DANGEROUS. THE RESPONSES OF INDIVIDUALS WITH RESPECT TO THE TIMING OF WARNINGS ARE ANALYZED AND SIMULATED. IT IS CONCLUDED THAT SEVERAL HOURS ARE REQUIRED FROM THE DETECTION OF ABNORMAL SIGNS TO FINISH EMERGENCY ACTIONS. A SYSTEMS ANALYSIS OF HAZARDS IS CARRIED OUT FROM BOTH DEMAND AND SUPPLY SIDES. SUPPLY SYSTEMS (WATER, ELECTRICITY, CITY GAS, ETC.) AND EMERGENCY SERVICE SYSTEMS (FIRE FIGHTING, MASS EVACUATION, ETC.) ARE EVALUATED BASED ON FAULT NET ANALYSIS. IT IS CONCLUDED THAT REGIONAL EVACUATION WILL NOT BE EFFECTUAL FOR ANY EARTHQUAKE.

CC A9130, A9130P.

AN A81066646.

AU HENBERY, D. A.

TI SNOW ROLLERS.

SO WEATHER (GB), VOL.36, NO.1, 16-19, 0.

CD MTHRAL.

LG EN.

YR 81.

DE SNOW, ICE.

ID TROODOS MOUNTAINS, CYPRUS, SNOW ROLLERS, ICE, STORM.

AB AN ACCOUNT IS PRESENTED OF THE 'SNOW ROLLER' PHENOMENA OBSERVED DURING A HIGHLY EXCEPTIONAL SNOWSTORM THAT OCCURRED IN THE EASTERN MEDITERRANEAN IN MARCH 1980. THE OBSERVATIONS AND PHOTOGRAPHS OF THIS STUDY WERE MADE IN THE TROODOS MOUNTAINS OF CYPRUS. THE ROLLERS OCCURRED WHEN A PERIOD OF BRIGHT WEATHER ALLOWED THE SNOW TO MELT. ALL THE ROLLERS FOUND HAD A STONE AT THE CENTRE. A MECHANISM IS SUGGESTED THAT CAN EXPLAIN THE FORMATION OF THE ROLLERS. ALL THE STONES DISLODGED BY ICE ACTION IN A SNOWFREE AREA COLLAPSED A THE COVERED AREA AND SO FORM THE SNOW ROLLERS.

CC A92498, A92499, A92500, A92501, A92502, A92503, A92504.

AU Hasleton-P-S. Penna-P. Torcu-J.
 IN Department of Pathology, University Hospital of South Manchester
 TI Effect of oxygen on the lungs after blast injury and burns.
 SO J-Clin-Pathol. 1981 Oct. 34(10). P 1147-54.
 LG EN.
 MJ BLAST-INJURIES; oa. BURNS; oa. LUNG; in.
 OXYGEN-INHALATION-THERAPY; oa. OXYGEN; oa.
 MN ACCIDENTS-OCCUPATIONAL; ADULT; BLAST-INJURIES; co. BURNS; co.
 COAL-MINING; HUMAN; LUNG; oa. MALE; PULMONARY-FIBROSIS; et.
 RN 7782-44-7 -- Oxygen.
 AB In March 1979 there was an explosion in a coalmine in Lancashire.
 As a result three men were found dead down the mine and a further
 seven men, all with extensive burns, died between the third and
 thirteenth day after the explosion. The lungs were studied in all
 the cases. Pulmonary infection was the commonest cause of death.
 Despite high levels of oxygen being given to these seven men, only
 one case showed a focal intra-alveolar fibrosis. In this case the
 inspired oxygen requirement came down before death. The toxicity of
 oxygen in the short term management of patients with severe trauma
 is questioned. Author.
 SB A; M.
 YR 81.
 IS 0021-9746.
 IN 21,542,363,300..
 IM 9204.
 EB 820222.

00519 * THERE ARE NO DOCUMENTS FOR THE QUERY.

355 - SEARCH MODE - ENTER QUERY

22:1 . . . 21 all/doc=1

1

AN 92093979. 9204.

TI [The aviation health service and the Torino-Luogo earthquake.
 Diary of an emergency (24 November - 19 December, 1980).

TT La sanità aeronautica ed il sisma Torino - Luogo. Diario di una
 emergenza (24 novembre - 19 dicembre 1980).

SO Riv-Med-Aeronaut-Spaz. 1980 Jul-Dec. 43(3-4). P 393-400.

LG IT.

MJ DISASTERS; FIRST-AID; MILITARY-MEDICINE; NATURAL-DISASTERS;
 TRANSPORTATION-OF-PATIENTS.

MN AIRCRAFT; AMBULANCES; HUMAN; ITALY.

YR 80.

IS 0035-631X.

IN 21,542,429..
 IM 9204.
 EB 820222.

NCJRS

051637
NEW VULNERABILITIES AND THE ACQUISITION OF NEW WEAPONS BY
NONGOVERNMENT GROUPS (FROM LEGAL ASPECTS OF INTERNATIONAL
TERRORISM, 1978, BY ALONA E EVANS AND JOHN F MURPHY - SEE
NCJ-51633)

JENKINS, B M; RUBIN, A P
HEATH LEXINGTON BOOKS, LEXINGTON, MA 02173; AMERICAN SOCIETY
OF INTERNATIONAL LAW, WASHINGTON, DC 20008
1978 56 p Copyrighted
United States
Document Type: Document
Languages: English

THE POSSIBLE USE BY TERRORISTS OF NEW, MORE DEVASTATING WEAPONS IS DISCUSSED, ALONG WITH THE DISRUPTIVE POTENTIAL INHERENT IN SUCH INCREASINGLY ATTRACTIVE TARGETS AS WATER SUPPLY SYSTEMS AND NUCLEAR AND NATURAL GAS FACILITIES. COMPLEX CONTEMPORARY TECHNOLOGICAL SOCIETY IS VULNERABLE TO DISRUPTION AND INTIMIDATION BY A VERY FEW PEOPLE. AMONG WEAPONS THAT PROVIDE TERRORISTS AN INCREASING CAPACITY TO DO DAMAGE, EXPLOSIVES ARE THE MOST RELIABLE AND POPULAR; BOMBS HAVE BEEN USED TO CAUSE PROPERTY DAMAGE AND OCCASIONALLY TO CAUSE LIMITED CASUALTIES. TERRORISTS HAVE NOT USED FIRE AGAINST PEOPLE, ALTHOUGH THEY HAVE USED INCENDIARY DEVICES TO CAUSE PROPERTY DAMAGE. TERRORISTS HAVE ALSO USED WHATEVER PORTABLE AND CONCEALABLE WEAPONS THEY HAVE BEEN ABLE TO OBTAIN, SUGGESTING THAT SUCH EXOTIC INFANTRY WEAPONS AS ANTITANK MISSILES, MORTARS, AND FLAMETHROWERS MAY COME TO BE ACQUIRED AND USED BY TERRORISTS BENT ON MASS MURDER AND DESTRUCTION. ALTHOUGH THE HISTORICAL RECORDS PROVIDE NO EVIDENCE THAT TERRORISTS HAVE EVER BEEN INVOLVED IN PLOTS TO USE NUCLEAR OR CHEMICAL/BIOLOGICAL WEAPONS, FUTURE USE SHOULD NOT BE RULED OUT. IN ADDITION TO TURNING TO NEW WEAPONS, TERRORISTS MAY TURN TO NEW TARGETS AS WELL. THE DISRUPTIVE POTENTIAL MANIFEST IN ATTACKS ON WATER SUPPLY SYSTEMS, CIVIL TRANSPORTATION FACILITIES, NUCLEAR POWER PLANTS, LIQUEFIED NATURAL GAS TANKERS AND DEPOTS, AND HAZARDOUS CHEMICAL PROCESSING, STORAGE, AND TRANSPORTATION FACILITIES MAKES THEM INCREASINGLY ATTRACTIVE TO TERRORISTS. IN LIGHT OF THESE NEW WEAPONS AND VULNERABILITIES, GOVERNMENTS SHOULD CONSIDER INSTRUMENTS AND MEASURES OF CONTROL--BOTH TECHNOLOGICAL AND LEGAL, DOMESTIC AND INTERNATIONAL--TO PREVENT CERTAIN KINDS OF THREATS, ESTABLISH RESPONSIBILITY FOR CERTAIN KINDS OF ACTS, AND DETER NATIONAL GOVERNMENTS FROM LENDING THEIR SUPPORT FOR CERTAIN TYPES OF CRIMES. RECOMMENDATIONS FOR UNILATERAL, BILATERAL, AND MULTILATERAL ACTION ARE PROVIDED, AS ARE REFERENCE NOTES. (KBL).

04298, 04818, 04396, 04793, 04463

NCJRS

061739

THREE MILE ISLAND (PA) - WHO WAS PREPARED AND FOR WHAT?

BLACKMORE, J

CRIMINAL JUSTICE PUBLICATIONS, INC, NEW YORK, NY 10017

POLICE MAGAZINE, V 2, N 6 (NOVEMBER 1979), P 60-68 1979

9 p Copyrighted

United States

Document Type: Article

Languages: English

EMERGENCY PLANS IMPLEMENTED IN RESPONSE TO THE NUCLEAR ACCIDENT AT THREE MILE ISLAND ARE DISCUSSED AND NUCLEAR REGULATORY COMMISSION GUIDELINES FOR EMERGENCY PROCEDURES ARE ANALYZED. ALTHOUGH PENNSYLVANIA HAS AN EXTENSIVE SYSTEM TO DEAL WITH NATURAL DISASTERS, IT PROVED TO BE INEFFECTIVE IN RESPONDING TO THE 1979 RADIATION ACCIDENT. COMMUNICATIONS WERE A MAJOR PROBLEM, AND LACK OF INFORMATION HINDERED THE IMPLEMENTATION OF EVACUATION PLANS. LINES OF AUTHORITY BECAME CONFUSED AND RESPONSIBILITY ULTIMATELY CAME TO REST WITH THE LOCAL OFFICIALS. MANY TOWNS AROUND THE NUCLEAR PLANT AND EMERGENCY PLANS, BUT NONE WAS PREPARED FOR THE LARGE-SCALE EVACUATION THAT WOULD HAVE BEEN NECESSARY IF THE HYDROGEN BUBBLE HAD CONTINUED GROWING. AS THE SITUATION PROGRESSED AND THE NEED FOR SOME EVACUATION BECAME APPARENT, LOCAL GOVERNMENTS WERE LEFT TO IMPROVISE PROCEDURES USING THEIR OWN POLICE AND EMERGENCY SERVICES. ALTHOUGH MASS EVACUATION WAS NEVER REQUIRED, POLICE DEPARTMENTS INCURRED SUBSTANTIAL EXPENSES WHICH THEY HOPE WILL BE PAID BY THE POWER PLANTS' INSURANCE. NEW EMERGENCY PLANS ARE NOW BEING DRAFTED BY LOCAL JURISDICTIONS AND METROPOLITAN EDISON OFFICIALS. A UTILITY SEEKING A LICENSE FROM THE NUCLEAR REGULATORY COMMISSION (NRC) MUST SUBMIT PLANS FOR DEALING WITH RADIATION EMERGENCIES. THE NRC AND THE ENVIRONMENTAL PROTECTION AGENCY PROVIDE BROAD GUIDELINES FOR EMERGENCY PROCEDURES, BUT STATE AND LOCAL OFFICIALS ARE RESPONSIBLE FOR FORMULATING DETAILED PLANS AND IMPLEMENTING THEM. THE EVACUATION PLANS OF THREE COMMUNITIES OF VARYING POPULATION DENSITIES ARE DESCRIBED WITH COMMENTS FROM INVOLVED OFFICIALS. A MAP OF NUCLEAR POWER REACTORS IN THE U.S. IS INCLUDED. (MJM).

42000. 00339. 03813. 00582. 05171

ESTIMATION READINGS TAKEN WITH A STANDARD CIVIL DEFENSE SURVEY METER; THE METHOD OF USING MUTUAL SHIELDING TO REDUCE THE AVERAGE RADIATION EXPOSURE TO SHELTER OCCUPANTS; AND THE LATIC METHOD FOR ESTIMATING RADIATION LEVELS IN HAZARDOUS AREAS. (LAW CITATION NO: 0357771).

AD ALEXANDER-79-1.

AD CARNEY, H. J. PAGE, E. S.

AD AUGUSTO HATFIELD EAF. IC. DEPARTMENT OF ENERGY. 00195000 0448000.

AD LEVEL OF SHORT-TERM SCREENING TESTS FOR MUTAGENS, TERATOGENS, AND CARCINOGENS.

AD 79. 079.

AD 02000.

AD 4-3-109-ENG-30.

AD 00 000000 001.

AD 00 000000 070.

AD 00 000000, CHEMICAL-EFFLUENTS, MUTAGEN-SCREENING.

AD 00 000000, EPIDEMIOLOGY, GENETIC-EFFECTS, OPTIMIZATION, REVIEWS

AD 00 000000, NTIS.

AD 00 000000 TO TEST THE THOUSANDS OF MAN-MADE CHEMICALS IN THE ENVIRONMENT FOR CARCINOGENIC AND GENETIC HAZARDS, A MULTITUDE OF SHORT-TERM SCREENING TESTS HAS BEEN DEVELOPED TO COMPLEMENT LONG-TERM EPIDEMIOLOGICAL AND EPIDEMIOLOGICAL STUDIES. THESE TESTS COVER A BROAD SPECTRUM OF ORGANISMS, AND INCLUDE THE USE OF BACTERIA AND VIRAL PROPHAGE ACIDS, BACTERIA, FUNGI, HIGHER PLANTS, INSECTS IN VITRO, MAMMALIAN CELL CULTURES (CELL TRANSFORMATION, CELL-MEDIATED MUTAGENESIS, DNA REPAIR, AND CHROMOSOME REPLICATION TESTS) AND LIVE ANIMALS. ASSAY END POINTS INCLUDE EFFECTS ON NUCLEIC ACIDS, DNA REPAIR SYNTHESIS, PLANT OR GENE MUTATION, STRUCTURAL AND NUMERICAL CHROMOSOME ABERRATIONS, CYTOLOGICAL ALTERATIONS, AND IN VITRO CELL TRANSFORMATION. THE PRESENT REVIEW DESCRIBES AND COMPARES THESE METHODS. IN ADDITION, IT DISCUSSES THEIR HISTORICAL DEVELOPMENT, THE PROBLEMS AND LIMITATIONS ASSOCIATED WITH THEIR USE, AND THEIR APPLICATION IN COMPREHENSIVE TESTING PROGRAMS. IT IS INTENDED TO PROVIDE (OVERVIEW AND SPECIFIC INFORMATION TO THE LABORATORY THAT IS IN THE PROCESS OF ESTABLISHING GENETIC TOXICOLOGICAL SYSTEMS. THE LITERATURE IS REVIEWED TO JANUARY 1978.) (LAW CITATION NO: 000000).

AP 81-17887.

1. Author: W.J. Stake, M. Neely, J.U.

2. Cor. Res. Populat. Genet. Univ. TX Health Sci. Ctr. Houston.

3. Genetic Effects of the Atomic Bombs: A Reappraisal.

4. 1969.

5. SCIENCE. VOL: 213, NO. 4513. pp. 1220-1227.

6. EN.

7. C091014, DCPA.

8. EN.

9. Hiroshima, Nagasaki.

10. Genetics, Radiation-hazards, Atomic-bombings, Pathogenesis.

11. Congenital-defects.

Data are presented on four indicators of genetic effects from studies of children born to survivors of the atomic bombings of Hiroshima and Nagasaki. The indicators are frequency of untoward pregnancy outcomes (stillbirth, major congenital defect, death during first postnatal week); occurrence of death in live-born children; through an average life expectancy of 17 years; frequency of children with sex chromosome aneuploids; and frequency of children with mutation resulting in an electrophoretic variant. In no instance is there a statistically significant effect of parental exposure but for all indicators the observed effect is in the direction suggested by the hypothesis that genetic damage resulted from the exposure. On the basis of assumptions concerning the contribution that spontaneous mutations to the preceding generation makes to the indicators in question, it is possible to estimate the genetic doubling dose for mutation for the first three indicators.

AP 81-17888.

1. Author: T.

2. Akerbladet Atom-Atom, Sweden.

3. Method of Detecting Leaks of Radioactive Gas From a Nuclear Fuel Assembly.

4. 1969.

5. J. PAT. OFF. GAZ. VOL: 1003, NO. 1. pp. 247-249.

6. GPO. No. 1-240765A.

7. EN.

8. C091174, DCPA.

9. EN.

10. Detect., Pollutant-detection, Radioactive-liquid.

11. Pollution-control-measures, Radioactivity.

A method of detecting leakage of radioactive gas from fuel rod assemblies stationed in a reactor vessel within a supporting core and without removal of said fuel rod assemblies from their normal

position. The method comprises the steps of: (a) providing a fuel rod assembly which is adapted to be inserted into a reactor vessel; (b) providing a support structure for the fuel rod assembly; (c) providing a detector for detecting leakage of radioactive gas from the fuel rod assembly; (d) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (e) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (f) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (g) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (h) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (i) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (j) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (k) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (l) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (m) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (n) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (o) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (p) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (q) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (r) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (s) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (t) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (u) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (v) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (w) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (x) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (y) providing a means for detecting leakage of radioactive gas from the fuel rod assembly; (z) providing a means for detecting leakage of radioactive gas from the fuel rod assembly.

Safety Science Abstracts

- ACCESSION NUMBER 100472
 TITLE Unified System for Multipurpose Radio Warning
 to the General Public
 AUTHORS Fukata, M.
 ORGANIZATIONAL SOURCE Kokusai Elect. Co., Ltd., Hamura-machi,
 Nishitama-gun, Tokyo, Japan
 SOURCE IEEE TRANS. BROADCAST., Vol. BC-26, No. 2,
 Jun. 1980, pp. 25-38.
 LANGUAGE English
 ABSTRACT This paper describes a system which makes it
 possible for broadcasting stations, whether
 federal or commercial, to trigger (demute)
 and de-trigger (remute) the general public's
 receivers, as a whole or on a selective
 basis, in order to give home warning of a
 natural or man-made disaster, with the worst
 case being nuclear attack. The warning system
 is a matter of life or death to the general
 public. It is therefore imperative to get
 their full acceptance of the system. This is
 accomplished by paying utmost attention to
 achieving nearly perfect system performance
 with an inexpensive warning receiver within
 the budget of every American household. In
 order to meet such seemingly contradictory
 requirements, the author reached an
 exceptional design methodology. Simply
 stated, the system places a heavy technical
 burden on the transmitter and a light burden
 on the receiver.(REG)SE7.10
- ACCESSION NUMBER 102984
 TITLE Health and the Environment
 AUTHORS Cappon, D.; Zakus, D.
 ORGANIZATIONAL SOURCE Environ. Stud., York Univ.; York Univ., Ont.,
 Can.
 SOURCE PERGAMON PRESS, N.Y. & OXFORD, 1980, 425 pp.
 LANGUAGE English
 AVAILABILITY ISBN 0 08 024660 5 [H], LC No. 79-24831
 ABSTRACT Critically examines the interaction between
 disease, illness and fitness and the natural
 and man-made environments. Contents: Man as
 Hazard: Impact on the Natural Environment,
 through Population Pressures, through Human
 Environments, through Built Environment,
 through Technical Environments, through
 Ingestion and Inhalation. Man as Transmitter:
 Impact through Communicative Environments,
 through the Genetic-Constitutional
 Environment, through Biopathology. Man as
 Target: Impact through the Microbial
 Environment, of Natural Hazards. Individual
 Health and Lifestyle.(REG)SM6.1
- ACCESSION NUMBER 102896
 TITLE Emergency Care in Natural Disasters: Views of
 an International Seminar
 SOURCE WHO CHRONICLE, Vol. 34, No. 3, Mar. 1980, pp.
 96-100.
 LANGUAGE English
 ABSTRACT Disasters cause a variety of health problems
 other than injuries, such as the risk of
 communicable disease, psychological problems,
 and food shortage. Although it is widely
 believed that disease epidemics are an
 inevitable sequel to natural disaster, in
 reality epidemics have only rarely been
 observed. The risk of epidemic disease will
 be increased where people are crowded
 together without essential services, as in a
 refugee camp. But even here the risks of
 transmission of most diseases remain
 unchanged if adequate water and sewage
 systems are provided.(REG)SM2.1

1669574 MEETING AB OATS ORDER#: KP645 0 REFS
UPGRADING EMERGENCY PREPAREDNESS AT NUCLEAR-POWER FACILITIES
(ENGLISH)
GRIMES BK; ROE JW
US NUCL REGULATORY COMMISS/WASHINGTON//DC/20555
TRANSACTIONS OF THE AMERICAN NUCLEAR SOCIETY , V35, NOV, P
413-414, 1980

1629719 ARTICLE OATS ORDER#: KM450 0 REFS
ASSESSING EMERGENCY MEDICAL PREPAREDNESS FOR HOSTAGE-TAKING
AND TERRORISM (ENGLISH)
MCEWEN MT
UNIV OKLAHOMA, HLTH SCI CTR, HQSP & CLIN, COMMUNITY & MEDIA
SERV/OKLAHOMA CITY//OK/73190
EMERGENCY MEDICAL SERVICES , V9, N5, P76-77, 1980

0798037 ARTICLE OATS ORDER#: GV305 0 REFS
COMMUNICABLE DISEASES AND EPIDEMIOLOGICAL SURVEILLANCE IN
RELATION TO NATURAL DISASTERS (FRENCH)
DEVILLEDEGOYET C
WHO/WASHINGTON//DC/
BULLETIN OF THE WORLD HEALTH ORGANIZATION , V57, N2, P
153-165, 1979

0680376 ARTICLE OATS ORDER#: GM034 5 REFS
INITIAL FINDINGS FROM A STUDY OF SOCIO-BEHAVIORAL
PREPARATIONS AND PLANNING FOR ACUTE CHEMICAL HAZARD DISASTERS
(ENGLISH)
QUARANTELLI EL; LAWRENCE C; TIERNEY K; JOHNSON T
OHIO STATE UNIV, DISASTER RES CTR DEPT SOCIOL/COLUMBUS//OH/4-
3210
JOURNAL OF HAZARDOUS MATERIALS , V3, N1, P77-90, 1979

AN GUG1079
 AU RISTENRATT-H-P.
 IN UNIVERSITY OF MICHIGAN; ANN ARBOR CAMPUS; SCHOOL OF ENGINEERING;
 DEPT. OF ELECTRICAL & COMPUTER ENGINEERING; ANN ARBOR; MICHIGAN;
 48104; USA.

TI POST DISASTER COMMUNICATION TECHNIQUES
 SN U.S. DEPT. OF THE INTERIOR; BUREAU OF MINES; PITTSBURGH RESEARCH
 CENTER; 4800 FORBES AVE.; PITTSBURGH; PENNSYLVANIA; 15213; USA.
 NO J0199109, K-335-C.
 DA 7909 TO 8009.
 FD 00051375
 DE (1)APPLIED-ELECTRONICS. (2)EARTH-SCIENCES.
 (1)ELECTRONIC-SYSTEMS-APPLIED. (2)ELECTRICAL-AND-ELECTRONIC.
 (3)EMERGENCY-COMMUNICATION. (3)MINE-COMMUNICATION-SYSTEMS.
 (3)COMMUNICATION-AND-RADIO-SYSTEM. (3)ADAPTIVE-SYSTEMS.

AB THE OBJECTIVE OF THIS EFFORT IS TO QUANTITATIVELY COMPARE THE
 EXISTING EMERGENCY MINE COMMUNICATION SYSTEM WITH AN ADAPTIVE SYSTEM
 DESIGN. THE NEW SYSTEM USING A SIGNAL HAVING AN IDEAL
 AUTOCORRELATION WITH A LARGE TM PRODUCT SHOULD ALLOW GREATER RANGE
 AND THE ABILITY TO DISCRIMINATE BETWEEN TRANSMITTERS. THE TWO
 SYSTEMS WILL BE COMPARED BOTH THEORETICALLY AND IN THE LABORATORY.

AN 1F30631-1
 AU WENNER-A-P. DR
 BROWN-G. CANNON-W-C. DAGLE-G-E. FRUCHTER-J-S. LAUL-J-C. ROWE-S-E.
 STEVENS-D-L. MILKERSON-C-L. ROBINSON-A-V.
 IN BATTELLE MEMORIAL INST.; DEPT. OF BIOLOGY; P.O. BOX 999; RICHLAND;
 WASHINGTON; 99352; USA.

TI HEALTH EFFECTS OF MOUNT ST HELEN'S VOLCANO
 SN U.S. DEPT. OF HEALTH & HUMAN SERVICES; PUBLIC HEALTH SERVICE;
 NATIONAL INST. OF HEALTH; NATIONAL INST. OF ENVIRONMENTAL HEALTH
 SCIENCES; BETHESDA; MARYLAND; 20205; USA.
 NO R01-E5-02631-01.
 DA 8104 TO 8205.
 FD 00175652
 DE (1)NONRESEARCH-SELECTED-TOPICS. (2)STANDARDS-SPECIFICATIONS.
 (1)BIO-ENVIRONMENTAL-PARAMETERS. (2)UNSPECIFIED-ENVIRONMENTS.
 (3)POLLUTION. (4)VOLCANIC-FALLOUT. (1)COMMUNITY.
 (2)IMMUNE-RESPONSE-MECHANISMS. (3)MACROPHAGE. (1)SUBSTANCES.
 (2)ELEMENTS-INORGANIC-ANIONS. (4)TRACE-METALS. (3)AEROSOLS.
 (3)QUARTZ. (1)MAMMALS. (2)ROBERTIA. (2)MURIDAE.
 (3)RAT-LABORATORY USE-ONLY. (1)AIR-POLLUTION. (2)TYPES-OF-POLLUTANTS.
 (3)AEROSOLS. (3)VOLCANIC-ASH. (1)INSTRUMENTS-TECHNIQUES. (3)ASSESSMENT-TECHNIQUES.
 (2)NUCLEAR-INSTRUMENTATION. (3)NUCLEAR-ACTIVATION-ANALYSIS.
 (1)NEUTRON-ACTIVATION.

AB THE OBJECTIVES OF THIS PROJECT ARE TO DETERMINE HEALTH EFFECTS OF THE
 VOLCANIC ERUPTIONS OF MOUNT ST. HELENS UNDER CONTROLLED CONDITIONS
 AND TO GENERATE A COMPREHENSIVE SCIENTIFIC DATA BASE. THIS
 INFORMATION IS EXPECTED TO AID STATE AND FEDERAL AUTHORITIES
 SUBSTANTIALLY IN ASSESSING THE HEALTH HAZARDS OF CHRONIC EXPOSURE TO
 VOLCANIC ASH. IN THE INHALATION EXPERIMENT RATS WILL BE EXPOSED TO
 VOLCANIC ASH (50 TO 5 MICROGRAMS/L) AND QUARTZ (50 MICROGRAMS/L;
 POSITIVE CONTROLS) FOR UP TO 24 MONTHS TO INVESTIGATE THE FIBROGENIC
 (PNEUMOCONIOTIC) PROPERTIES OF THE ASH AS A FUNCTION OF AEROSOL
 CONCENTRATION AND EXPOSURE TIME. COMPARED WITH SHAM-EXPOSED CONTROLS,
 THE PULMONARY DEPOSITION AND CLEARANCE STUDY WILL INVOLVE A SCHEME OF
 JOB-ONLY EXPOSURE OF RATS TO NEUTRON-ACTIVATED ASH TO OBTAIN
 INFORMATION ON THE RATE OF THE ASH DEPOSITED IN THE ALVEOLI. QUANTITY
 OF INITIAL PULMONARY ASH DEPOSITION UNDER DEFINED EXPOSURE IS THE
 CONDITIONAL BIOLOGICAL HALF-LIFE OF THE PULMONARY ASH BASED ON
 PULMONARY CLEARANCE RATE AND TIME OF COMPLETE CLEARANCE. IN OTHER
 TESTS WITH MACROPHAGES WILL DETERMINE THE CAPACITY OF THE ASH
 RELATIVE TO OTHER MATERIALS INCLUDING STANDARDS THROUGH
 PHYSICO-CHEMICAL CHARACTERIZATION OF THE ASH WILL BE A FUNCTION
 OF INITIAL DEPOSITION WITH ITS COMPOSITION AND TO THE COMPOSITION,
 MINERALOGICAL COMPOSITION AND TRACE ELEMENTAL ANALYSES.

RANKING OF 15 TESTED DATABASES

Rank	Total Number of Citations of General Interest to FEMA	Number of Citations of General Interest to FEMA per Year of Coverage	Number of Subjects Covered Substantially	Percent of the Database of General Interest to FEMA	Number of Subjects Representing Substantive Percent of Database	Overall Ranking Based on Cumulative Ranking
1	DOE	SSIE	NTIS	GPO	NTIS	DOE
2	NTIS	DOE	SSIE	NTIS	DOE	NTIS
3	SSIE	NTIS	DOE	Envirotapes	SSIE } tied	SSIE
4	GPO	GPO	Compendex	NCJRS	Safety	Envirotapes
5	Compendex	Compendex	INSPEC	SSIE	Envirotapes	GPO } tied
6	Envirotapes	MEDLINE	CA Search	Pollution	Pollution	Compendex
7	Health	Safety	SciSearch	Safety	Compendex	Safety
8	Pollution	Envirotapes	Envirotapes	DOE	INSPEC } tied	Pollution
9	NCJRS	Health	Safety	Health	NCJRS	NCJRS
10	Safety	INSPEC } tied	Pollution	Compendex	CA Search } tied	INSPEC
11	INSPEC	CA Search	Agricola	MEDLINE	GPO	CA Search
12	CA Search	NCJRS	GPO	Agricola	MEDLINE	Health
13	MEDLINE	Pollution } tied	NCJRS	CA Search } tied	SciSearch	MEDLINE
14	Agricola	SciSearch	MEDLINE	SciSearch	Agricola } tied	SciSearch
15	SciSearch	Agricola	Health	INSPEC	Health	Agricola

APPENDIX 9

15 DATABASES RANKED FOR MAJOR FEMA INTEREST AREAS

RANK	INTEREST AREAS													
	NATIONAL DEFENSE		CHEMICAL HAZARDS		RADIATION		NUCLEAR POWER		CIVIL STRIPE					
	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR
1	DOE	DOE	DOE	SSIE	DOE	DOE	DOE	DOE	DOE	DOE	DOE	DOE	DOE	SSIE
2	NTIS	NTIS	SSIE	DOE	CA Search	CA Search	CA Search	CA Search	CA Search	CA Search	CA Search	CA Search	CA Search	DOE
3	SSIE	SSIE	CA Search	CA Search	SSIE	SSIE	SSIE	SSIE	SSIE	SSIE	SSIE	SSIE	SSIE	CA Search
4	Safety	MEDLINE	Compendex	Compendex	INSPEC	MEDLINE	MEDLINE	Compendex	Compendex	Compendex	Compendex	Compendex	Compendex	SciSearch
5	CA Search	SciSearch	Envirotopes	NTIS	NTIS	INSPEC	INSPEC	SSIE	Compendex	Compendex	Compendex	Compendex	Compendex	NTIS
6	GPO	CA Search	NTIS	INSPEC	Compendex	Compendex	Compendex	INSPEC	INSPEC	INSPEC	INSPEC	INSPEC	INSPEC	INSPEC
7	INSPEC	Safety	INSPEC	Envirotopes	MEDLINE	NTIS	NTIS	Envirotopes	GPO	Envirotopes	Envirotopes	Envirotopes	Envirotopes	Compendex
8	Compendex	GPO	Pollution	SciSearch	Envirotopes	SciSearch	SciSearch	Pollution	Envirotopes	Pollution	Pollution	Pollution	Pollution	NCJRS
9	MEDLINE	INSPEC	Agricola	Pollution	Pollution	Envirotopes	Envirotopes	GPO	Safety	Safety	Safety	Safety	Safety	Safety
10	Pollution	Compendex	SciSearch	Agricola	Health	Pollution	Pollution	Health	Safety	Safety	Safety	Safety	Safety	GPO
11	Envirotopes	Pollution	Safety	Safety	Safety	Safety	Safety	Safety	Safety	Safety	Safety	Safety	Safety	MEDLINE
12	NCJRS	NCJRS	GPO	GPO	Agricola	Health	Health	MEDLINE	MEDLINE	MEDLINE	MEDLINE	MEDLINE	MEDLINE	Agricola
13	SciSearch	Envirotopes	NCJRS	MEDLINE	GPO	GPO	GPO	Health	Health	Health	Health	Health	Health	Envirotape
14	Health	Agricola	MEDLINE	NCJRS	SciSearch	Agricola	Agricola	Agricola	Agricola	Agricola	Agricola	Agricola	Agricola	Pollution
15	Agricola	Health	Health	Health	NCJRS	NCJRS	NCJRS	NCJRS	NCJRS	NCJRS	NCJRS	NCJRS	NCJRS	Health

Appendix 9 (continued)

RANK	INTEREST AREAS											
	FIRE		FLOOD		CLIMATOLOGICAL		GEOLOGIC		MISCELLANEOUS			
	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR	TOTAL CIT	CIT/YR		
1	DOE	DOE	DOE	DOE	MEDLINE	MEDLINE	DOE	SciSearch	DOE	DOE	DOE	
2	CA Search	CA Search	NTIS	NTIS	SSIE	SSIE	Compindex	DOE	SSIE	SSIE	SSIE	
3	Compindex	Compindex	Compindex	Compindex	SciSearch	SciSearch	INSPEC	INSPEC	NTIS	Compindex	Compindex	
4	NTIS	SciSearch	SSIE	SciSearch	DOE	DOE	NTIS	SSIE	Compindex	NTIS	NTIS	
5	SSIE	NTIS	GPO	SSIE	Compindex	Compindex	SSIE	Compindex	INSPEC	INSPEC	SciSearch	
6	Safety	SSIE	Agricola	GPO	INSPEC	INSPEC	CA Search	CA Search	Agricola	Agricola	INSPEC	
7	SciSearch	Safety	CA Search	Agricola	CA Search	NTIS	SciSearch	NTIS	Envirotopes	Envirotopes	CA Search	
8	INSPEC	INSPEC	Envirotopes	CA Search	Envirotopes	CA Search	Agricola	Agricola	CA Search	CA Search	Agricola	
9	Agricola	Agricola	SciSearch	INSPEC	SciSearch	Agricola	Envirotopes	Safety	SciSearch	SciSearch	MEDLINE	
10	NCJRS	NCJRS	INSPEC	Envirotopes	Agricola	Envirotopes	Safety	Envirotopes	Pollution	Pollution	Envirotopes	
11	Pollution	GPO	Pollution	Safety	Pollution	Safety	GPO	GPO	Safety	Safety	Safety	
12	Envirotopes	Pollution	Safety	Pollution	Safety	Pollution	Pollution	Pollution	NCJRS	NCJRS	Pollution	
13	GPO	Envirotopes	MEDLINE	MEDLINE	Health	Health	-----	-----	MEDLINE	MEDLINE	GPO	
14	MEDLINE	MEDLINE	Health	Health	GPO	GPO	-----	-----	GPO	GPO	NCJRS	
15	Health	Health	-----	-----	-----	-----	-----	-----	Health	Health	Health	

APPENDIX 10

MODEL DIRECTORY OF WORD-ORIENTED DATABASES OF INTEREST TO FEMA

AGRICultural OnLine Access

1. BASIC INFORMATION

NAME OF DATABASE
 ACRONYM/SHORT NAME: AGRICOLA
 FULL NAME: AGRICultural OnLine Access
 FORMER ACRONYM: CAIN
 FORMER NAME: Cataloging and Indexing
 FREQUENCY OF ISSUING DATABASE UPDATES: monthly
 TIME SPAN COVERED BY DATABASE: 1970 to present
 FIRST AVAILABLE IN MACHINE-READABLE FORM: 1970
 MERGED DATABASE (This is a merged database and contains records from the following source database(s):
 Source Database(s)
 CAIN (NAL holdings)
 Food and Nutrition Information Center File
 Brucellosis File
 American Agricultural Economics Documentation Center File
 AG Canada File
 Environmental Impact Statements
 CORRESPONDENCE WITH PRINTED SOURCE(S):
 National Agricultural Library Catalog (database contains same no. of references)
 Bibliography of Agriculture, 1970-1980 (database contains same no. of references)
 Catalog of the Food and Nutrition Information and Educational Materials Center
 (database contains same no. of references)
 In addition the database contains records that do not appear in the above printed source(s).

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE
 U.S. Department of Agriculture
 Science and Education Administration Technical Information Systems
 SEATIS
 10301 Baltimore Blvd.
 Beltsville
 MD 20705, USA
 TELEPHONE: 301/474-9020
 PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. Philip A. Turner, Computer Systems Analyst
 DISTRIBUTOR OF DATABASE
 National Technical Information Service
 U.S. Dept. of Commerce
 5285 Port Royal Road
 Springfield
 VA 22161, USA
 TELEPHONE: 703/557-4600, TELEX: 89-9405
 PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Mr. David Grooms
 GENERATOR OF (PHYSICAL) DATABASE
 U.S. Department of Agriculture
 Science and Education Administration Technical Information Systems
 SEATIS
 10301 Baltimore Blvd.
 Beltsville
 MD 20705, USA
 TELEPHONE: 301/474-9020
 PERSON TO CONTACT RE DATABASE FORMAT, SOFTWARE DATA: Mr. Philip A. Turner, Computer Systems Analyst

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:
 COMMERCIALY AVAILABLE: yes
 NUMBER OF TAPES ISSUED PER YEAR: 12 monthly issues
 RESTRICTIONS: none
 PURCHASE (US DOLLARS): \$840.00/yr

2 AGRICultural OnLine Access (cont'd.)

OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): none
 OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): none
 BACK FILES:
 COMMERCIALY AVAILABLE: yes
 YEARS AVAILABLE: 1970-1980
 PURCHASE (US DOLLARS): \$840.00/yr
 OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): none
 OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): none
 SAMPLE TAPES:
 COMMERCIALY AVAILABLE: yes
 RESTRICTIONS: special arrangements

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Worldwide coverage of the literature related to agriculture including agricultural economics and rural sociology, agricultural engineering & products, animal science, chemistry, consumer protection, energy related to agriculture, entomology, food & nutrition, forestry, home economics, life science, institutional food service, natural resources & pollution, natural resource management, plant diseases, insect pests and their control, physical sciences and mathematics, social sciences and the humanities, technology, veterinary medicine and other related fields.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 1,745,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 145,000
 BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

85 % Journal articles

Of these, 60 % are published in English

1200 - No. Journals from which all articles entered

6500 - Approx. total no. of journal titles reviewed for input

5 % Government reports/documents

10 % Monographs, published proceedings, theses, etc.

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, Russian, German, French, Japanese, Polish, Spanish, Italian, Czech, Bulgarian, Hungarian, Portuguese, Dutch, Rumanian

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, Canada, UK, Russia, Germany, France, Japan, Spain, Latin America, Brazil, Italy, Czechoslovakia, Bulgaria, Hungary, Portugal, Netherlands, Rumania

5. SUBJECT ANALYSIS/INDEXING DATA

Enriched titles

Avg. no. added terms/title: 2

Controlled terms (from thesaurus)

(NOTE: for FNIC & AG-ECON subfiles)

Subject coding/Classification scheme

Name of scheme: AGRIS Classification (expanded)

Avg. no. categories/document: 1

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

6. DATA ELEMENTS PRESENT

Usu. Occ.

- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Editor(s)
- X-- ---- Corporate author(s)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Title of source item (journal, conference proceedings)
- X-- ---- Bibliographic reference (volume, issue)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- X-- ---- Publisher
- X-- ---- Place of publication
- X-- ---- Standard bibliographic codes: ISSN
- -X-- Standard bibliographic codes: CODEN
- X-- ---- Standard bibliographic codes: ISBN
- -X-- Abstract, summary
- -X-- Patent information

- X- ---- Language (of item)
- X- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
- X- ---- Treatment code or level of approach (e.g. review, app'n., theory, etc.)

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; LIS; National Library of Australia; SDC
 DATABASE PROCESSED FOR BATCH SEARCHING BY: CALS; CONSEJO Nacional de Ciencia y Technology.
 CSIRO; DOE/RECON; EMBRAPA-DID, Brazil; GIDC; ISU Comp Center; IWIS-TNO, Netherlands;
 Library of the Agricultural University of Norway; NERAC; National Def. Res.
 Institute, Sweden; University of Hawaii at Manoa
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer; Agricultural libraries
 OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: reference services

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: - available
 TITLE: Bibliography of Agriculture Thesaurus
 BRIEF DESCRIPTION: Alphabetical listing of the controlled vocabulary with cross
 references.
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$9.50, plus \$1.75 postage
 AVAILABLE FROM: Oryx Press

USER MANUAL(S): available
 TITLE: AGRICOLA User's Guide
 BRIEF DESCRIPTION: Explains communications, online access, search strategies, and
 command languages
 AVAILABLE IN (MEDIA): loose-leaf manual
 PRICE (US DOLLARS): available on request
 AVAILABLE FROM: USDA SEA/Technical Information Systems, Reference Branch.

DATABASE TAPE DOCUMENTATION: available
 TITLE: AGRICOLA: Specifications for Cataloging and Indexing
 BRIEF DESCRIPTION: Describes records on magnetic tape
 AVAILABLE IN (MEDIA): loose-leaf manual
 PRICE (US DOLLARS): available on request
 AVAILABLE FROM: USDA SEA/Technical Information Systems, Library Systems Branch.

OTHER AIDS: available
 TITLE: AGRICOLA Subject Category Codes
 BRIEF DESCRIPTION: A listing of subject codes and corresponding subject headings
 used in the AGRICOLA tapes
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): available on request
 AVAILABLE FROM: USDA SEA/Technical Information Systems, Analysis Branch.

9. FEMA INTEREST

Extensive coverage of famine, food shortages and food supply. Includes information on damage to crops from hail, other storms and drought. Also includes substantial information on plant diseases, pollution effects, insect pests and their control, shelter stocking. Some coverage of fire, flood and geologic disasters.

4 CA SEARCH

CA SEARCH

1. BASIC INFORMATION

NAME OF DATABASE

FULL NAME: CA SEARCH

FORMER ACRONYM: CACon

(NOTE: combined with CASIA (CA Subject Index Alert))

FORMER NAME: CA Condensates

(NOTE: CA SEARCH contains information which represents the sum of the information in CA Condensates and CASIA. CA Condensates and CASIA are no longer available from CAS.)

FREQUENCY OF ISSUING DATABASE UPDATES: biweekly

TIME SPAN COVERED BY DATABASE: 1967 to present

FIRST AVAILABLE IN MACHINE-READABLE FORM: 1967

RELATED MACHINE-READABLE FILES:

Chemical Abstracts Index Guide

REG/CAN

CA Biblio File

Chemical Titles

Chemical Industry Notes

CAS ONLINE

CASSI

CORRESPONDENCE WITH PRINTED SOURCE(S):

CA and Volume Indexes less Abstracts (database contains same no. of references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Chemical Abstracts Service

CAS

P.O. Box 3012

Columbus

OH 43210, USA

TELEPHONE: 614/421-6940 ext. 2946, TELEX: 810/482-1608

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Customer Service

DISTRIBUTOR OF DATABASE

Chemical Abstracts Service

(NOTE: See above for full information.)

Verlag Chemie

Postfach 1260/1260

D-6940 Weinheim, Federal Republic of Germany

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Dr. H. Gruenwald (for residents of the Federal Republic of Germany)

United Kingdom Chemical Information Service

UKCIS

The University

Nottingham NG7 2RD, England

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Dr. A. Kabi (for residents of the United Kingdom and Eire)

The Japan Association for International Chemical Information

JAICI

Gakkai Center Building

2-4-16 Yayoi, Bunkyo-ku

Tokyo 113, Japan

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Dr. H. Chihara (for residents of Japan)

Centre National de l'Information Chimique

CNIC

26, rue Boyer

75971 Paris Cedex 20, France

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Mr. A. Derouede (for residents of France)

GENERATOR OF (PHYSICAL) DATABASE
 Chemical Abstracts Service
 (NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes
 NUMBER OF TAPES ISSUED PER YEAR: 26
 RESTRICTIONS: Under the terms of the license, subscribers pay CAS an annual license fee and quarterly use charges.
 LICENSE (US DOLLARS): \$10,000.00/yr plus \$520.00 handling
 OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): \$24.00 per hour of computer connect time per customer search for online interactive searching; \$0.08 per copy per reference retrieval in an off-line mode
 OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): \$0.02/hit per copy for replication of 10 or more copies of printed pages or cards; \$0.16/hit per copy for microform output (separate license with CAS is necessary); \$0.56/hit per copy for computer-readable output (separate license with CAS is necessary)

BACK FILES:

COMMERCIALY AVAILABLE: yes
 YEARS AVAILABLE: 1967 on
 RESTRICTIONS: Under the terms of the license, subscribers pay CAS an annual license fee and quarterly use charges.
 LICENSE (US DOLLARS): \$10,000.00/yr plus \$2340.00 handling; \$160.00/single replacement reel plus \$45.00 handling
 OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): \$24.00 per hour of computer connect time per customer search for on-line interactive searching; \$0.08 per copy per reference retrieval in an off-line mode
 OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): \$0.02/hit per copy for replication of 10 or more copies of printed pages or cards; \$0.16/hit per copy for microform output (separate license with CAS is necessary); \$0.56/hit per copy for computer-readable output (separate license with CAS is necessary)

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes
 NUMBER OF RECORDS ON SAMPLE TAPE(S): 1 issue
 RESTRICTIONS: sold as an evaluation package for CA SEARCH
 PURCHASE (US DOLLARS): \$50.00

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: CA SEARCH offers the capability of a wide variety of searches for references to chemistry-related documents. It contains keyword index entries, bibliographic citations, chemical substance index entries, molecular formulas, registry numbers, and general subject index entries. All areas of chemistry are covered, including biochemistry, organic chemistry, macromolecular chemistry, applied chemistry, physical chemistry, and chemical engineering.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 5,300,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 473,000
 BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

72 % Journal articles
 Of these, 60 % are published in English
 260 - No. Journals from which all articles entered
 14,000 - Approx. total no. of journal titles reviewed for input
 2 % Government reports/documents
 16 % Patents
 10 % Monographs, published proceedings, theses, etc.

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: Multiple Languages

(NOTE: more than 50 languages)

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: Worldwide

(NOTE: approximately 150 countries)

5. SUBJECT ANALYSIS/INDEXING DATA

Enriched titles

(NOTE: Enriched titles are generally limited to patent titles.)

Uncontrolled keywords

avg. no. keywords/document: 2.3 keyword phrases each with an average of 4 keywords

Controlled terms (from thesaurus)

6 CA SEARCH (cont'd.)

- Avg. no. terms/document: 4.3 chemical substance index entries, 2.1 general subject index entries
- Subject headings
 - Avg. no. subject headings/document: 2.3 keyword phrases each with an average of 4 keywords and 4.3 chemical substance index entries, 2.1 general subject index entries
- Subject coding/Classification scheme
 - Name of scheme: 80 subject category sections with subsections in each; subject index entries are classified as either chemical substance or general subject
 - Avg. no. categories/document: each article is assigned to one section and subsection within the section
- Short phrases or word strings describing content
 - Avg. no. of phrases or strings/document: 2.3 keyword phrases each with an average of 4 keywords, 1 document title, and 4.3 chemical substance index entries, 2.1 general subject index entries
- Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):
 - CA 8th Collective Index name
 - CA 9th Collective Index name
 - CA 10th Collective Index Name
 - CAS Registry number
 - Chemical name from source of data
 - Molecular formula
 - Molecular formula fragments
 - Name fragments
 - Other chemical identifiers
 - (NOTE: The 8th, 9th, and 10th Collective Index Names include Functional Category, Heading Parent, Substituent, Name Modification, Stereochemistry, Homograph Definition, Line Formula)

6. DATA ELEMENTS PRESENT

- Usu. Occ.
- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Author address (location and/or affiliation)
- X-- ---- Editor(s)
- X-- ---- Editor address (location and/or affiliation)
- X-- ---- Corporate author(s)
- X-- ---- Corporate author address (location and/or affiliation)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Title of source item (journal, conference proceedings)
- X-- ---- Bibliographic reference (volume, issue)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- -X-- Publisher
- -X-- Place of publication
- X-- ---- Standard bibliographic codes: ISSN
- X-- ---- Standard bibliographic codes: CODEN
- X-- ---- Patent information
- X-- ---- Report number
- X-- ---- Language (of item)
- X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
- -X-- Price of item
- X-- ---- Other data elements: Keyword Phrases; Registry Number; CA Publication Citation (CAN); Name Codes; Qualifier; Text Modification; Preferred Order Moiform, Segment Access Key (SAK); Primary Publication Type; Auxiliary Name Concept Heading; Concept Modification

7. DATABASE SERVICES OFFERED

- DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; CISTI (Canada); DATA-STAR; IRS (ESA); JICST; LIS; National Library of Australia; Pergamon-Infofine; SDC, Telesystemes-QUESTEL
- (NOTE: With the changeover from CACON & CASIS to CA SEARCH, the list of all organizations who will offer this service on-line is not complete.)
- DATABASE PROCESSED FOR BATCH SEARCHING BY: CIDB (Berlin); CNIC; CONACYT (Mexico); Center for Technical and Scientific Information and Documentation (The Netherlands); Chemie Informationsdienst Graz; GTE Laboratories, Incorporated; Instituto de Informacion y Documentacion en Ciencia y Tecnologia (Spain); Japan Association for International Chemical Information (JAICI); KORSTIC; Magyar Gyogyszeripari-Egyesulet (Hungary); Merril Information Center; NERAC; National Center of Scientific and Technological Information (Israel); RIT; Royal Library of Belgium; South African Council for

Scientific and Industrial Research; Technical University of Wroclaw; UKCIS; Veszpremi Vegyipari Egyetem Kozponti Konyvtara (Hungary); Vyzkumny Ustav Technicko-Ekonomicky Chemickeho (Czechoslovakia); Warsaw Technical University

DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer; CAS Document Delivery Service; Via CASSI-400 Cooperating Libraries

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: CAS Experimental Services are designed to answer the request of individuals or organizations for: (1) the CAS Registry Number of a particular substance; (2) the CA Index Name of a substance; (3) a list of CA references to documents containing information about a specific substance.

8. USER AIDS AVAILABLE

USER MANUAL(S): available
 TITLE: CA SEARCH For Beginners (BRS, Lockheed, SDC Versions)
 AVAILABLE FROM: producer

DATABASE TAPE DOCUMENTATION: available
 TITLE: Chemical Abstracts Service Specifications Manual for Computer-Readable Files in Standard Distribution Format
 BRIEF DESCRIPTION: Purpose is to describe SDF and structure and manipulation of SDF records for every CAS computer-readable service
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$30.00
 AVAILABLE FROM: producer

OTHER AIDS: available
 TITLE: 9CI Substructure Searching via Nomenclature Manual and Search Aids
 BRIEF DESCRIPTION: The manual is available only in print. The "Nonsystematic Name Guide" and the "Functional Group Guide" are available in three-ring binders. The other aids are available on 16-mm Kodak and 3M microfilm cassettes or on standard microfiche.
 AVAILABLE IN (MEDIA): microfilm; microfiche; hardcopy
 PRICE (US DOLLARS): \$50.00
 AVAILABLE FROM: producer and other distributors

TITLE: 8CI Substructure Searching via Nomenclature Manual and Search Aids
 BRIEF DESCRIPTION: The manual is available in print or on standard microfiche. The search aids are available on 16-mm Kodak or 3M microfilm cassettes. This package was prepared for the National Science Foundation and is distributed through the cooperation of the National Technical Information Service (NTIS).
 AVAILABLE IN (MEDIA): microfilm; microfiche; hardcopy
 PRICE (US DOLLARS): \$20.00
 AVAILABLE FROM: NTIS (U.S. Department of Commerce, National Technical Information Service, Springfield, Virginia 22151. Specify PB-229577 (manual) and PB-229577 (search aids).; producer

TITLE: Natural Language Term List
 AVAILABLE FROM: producer

TITLE: Rotated Title Phrase List
 AVAILABLE FROM: producer

TITLE: Subject Coverage and Arrangement of Abstracts by Sections in Chemical Abstracts, 1975 Edition
 BRIEF DESCRIPTION: The Subject Coverage Manual helps users identify CA Sections which contain information of special interest to them. These sections can then be reviewed on a regular basis to keep them up-to-date on a particular area of interest. The information in this manual can also be used with CAS computer-readable files to construct search profiles. Because of the detail it includes, the manual represents a thorough description of the subject matter covered by CA.
 (NOTE: For each of the 80 sections, the Subject Coverage Manual describes the subjects covered and order of their arrangement in the section, indicates which other CA sections contain related subjects, and outlines the policies by which cross-references are selected.)
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$5.00
 AVAILABLE FROM: producer and other distributors

TITLE: CA Index Guide
 BRIEF DESCRIPTION: The CA Index Guide is designed to help users consult appropriate index headings in CA Volume Indexes. It also details the major points of CA indexing policy and explains the organization and use of the indexes. It is an essential aid for using the CA Chemical Substance and General Subject Volume Indexes effectively
 AVAILABLE IN (MEDIA): hardcopy, mag tape
 PRICE (US DOLLARS): \$50/hc; \$2000.00 plus \$17 handling or \$2017.00/mag tape
 AVAILABLE FROM: producer and other distributors

8 CA SEARCH (cont'd.)

TITLE: CA General Subject Index Headings List
AVAILABLE FROM: producer
TITLE: CA Plant and Animal Headings List
AVAILABLE FROM: producer

9. FEMA INTEREST

Extensive coverage of toxic wastes, chemical warfare, other chemical hazards and accidents, and industrial health hazards. Also includes substantial information on radiation hazards, explosives, fires, volcanic hazards, floods, and national defense.

Computerized Engineering Index

1. BASIC INFORMATION

NAME OF DATABASE

ACRONYM/SHORT NAME: COMPENDEX

FULL NAME: Computerized Engineering Index

FREQUENCY OF ISSUING DATABASE UPDATES: monthly

TIME SPAN COVERED BY DATABASE: 1969 to present

FIRST AVAILABLE IN MACHINE-READABLE FORM: 1969

CORRESPONDENCE WITH PRINTED SOURCE(S):

Engineering Index MONTHLY, The (database contains same no. of references)

Bioengineering Abstracts (database contains same no. of references)

Energy Abstracts (database contains fewer references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Engineering Information, Inc.

EI

United Engineering Center

345 East 47th St.

New York

NY 10017, USA

TELEPHONE: 212/644-7620

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. John W. Carrigy

DISTRIBUTOR OF DATABASE

Engineering Information, Inc.

(NOTE: See above for full information.)

GENERATOR OF (PHYSICAL) DATABASE

Engineering Information, Inc.

(NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES ISSUED PER YEAR: 12 monthly tapes for 1981

RESTRICTIONS: Lease arrangements apply to in-house use only.

LEASE (US DOLLARS): \$6000.00 plus \$500.00 - tapes & handling per year

LICENSE (US DOLLARS): \$8000.00 plus \$500.00 - tapes & handling per year

OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): Contact producer.

OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): Contact producer.

BACK FILES:

COMMERCIALY AVAILABLE: yes

YEARS AVAILABLE: 12 monthly tapes 1969-present

RESTRICTIONS: Lease arrangements apply to in-house use only.

LEASE (US DOLLARS): 1969: \$3000.00; 1970: \$3000.00; 1971: \$3000.00; 1972: \$3000.00;

1973: \$3000.00; 1974: \$3000.00; 1975: \$3500.00; 1976: \$4000.00; 1977:

\$4500.00; 1978: \$5000.00; 1979: \$6000.00; 1980: \$6000.00

LICENSE (US DOLLARS): 1969: \$3000.00; 1970: \$3000.00; 1971: \$3000.00; 1972:

\$3000.00; 1973: \$3000.00; 1974: \$3000.00; 1975: \$3500.00; 1976: \$4000; 1977:

\$4500; 1978: \$5000.00; 1979: \$6000.00; 1980: \$6000.00

OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): Contact producer.

OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): Contact producer.

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes

NUMBER OF RECORDS ON SAMPLE TAPE(S): mini-reel, 800-1000 random records

RESTRICTIONS: Charge is deductible if lease or license arrangements result.

PURCHASE (US DOLLARS): \$100.00, includes sample tape plus support documentation and user aids

10 Computerized Engineering Index (cont'd.)

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Worldwide coverage of significant engineering literature as found in journals, proceedings of conferences, symposia, and technical reports or associations, government agencies, universities, laboratories, etc.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 960,000

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 100,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

55 % Journal articles

Of these, 72.4 % are published in English:

850 - No. Journals from which all articles entered

2000 - Approx. total no. of journal titles reviewed for input

5 % Government reports/documents

36 % Monographs, published proceedings, theses, etc.

3 % Preprints, papers presented at conferences

1 % Other: Standards, etc.

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, Multiple languages:

(NOTE: English: 77%; Others: 23%)

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, worldwide

(NOTE: USA: 47%; Non-USA: 53%)

5. SUBJECT ANALYSIS/INDEXING DATA

Uncontrolled keywords

Avg. no. keywords/document: 1.5

Subject headings

Avg. no. subject headings/document: 26 (.07 for subheadings)

Subject coding/Classification scheme

Name of scheme: Division Codes of CARD-A-LERT Service

Avg. no. categories/document: 21

Other subject analysis/indexing data: 1.3 cross reference terms from subject heading listing

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Alloy composition

Chemical name from source of data

Molecular formula

Synonyms

Trade name(s)

6. DATA ELEMENTS PRESENT

Usu. Occ.

-X-- ---- Item accession number, unique id

-X-- ---- Author(s)

-X-- ---- Author address (location and/or affiliation)

-X-- ---- Editor(s)

-X-- ---- Editor address (location and/or affiliation)

-X-- ---- Corporate author(s)

-X-- ---- Corporate author address (location and/or affiliation)

-X-- ---- Title of item (original language, translation, transliteration)

-X-- ---- Title of source item (journal, conference proceedings)

-X-- ---- Bibliographic reference (volume, issue)

-X-- ---- Page(s), inclusive or total

-X-- ---- Date (publication date of item, dates for patents)

-X-- ---- Publisher

(NOTE: The publisher is usually given if source item is a conference proceeding or monograph.)

-X-- ---- Place of publication

(NOTE: Place of publication is given for non-CODEN and CODEN material if conference material.)

---- -X-- Cited references by source item: total number

-X-- ---- Standard bibliographic codes: ISSN

(NOTE: Beginning January 1979)

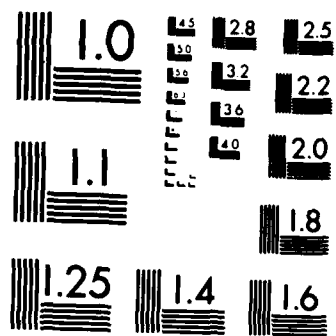
-X-- ---- Standard bibliographic codes: CODEN

-X-- ---- Abstract, summary

-X-- ---- Report number

-X-- ---- Language (of item)

(NOTE: Always if other than English.)



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; CISTI (Canada); DATA-STAR; FIZ-4; INKA; IRS (ESA); LIS; Pergamon-Infoline; SDC
 DATABASE PROCESSED FOR BATCH SEARCHING BY: CSIR; ICI Ltd. (Billingham, UK) ASSASSIN System; Kinokuniya Book Store; NERAC; RIT; UVTEI-UTZ; Univerza v Ljubljana
 (NOTE: Plus others, contact producer for information on vendors worldwide.)
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: Engineering Societies Library
 (NOTE: plus others)
 OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: Now providing a search service addressing COMPENDEX and all other available data bases via online vendors.

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available
 TITLE: Subject Headings for Engineering (SHE), 1972 and 1980 Supplements
 BRIEF DESCRIPTION: Indexing and classification tool to aid development of search profiles; identify CARD-A-LERT codes for subjects; overview of subject structure
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$20.00 others; \$10.00 for supplement only
 AVAILABLE FROM: producer

USER MANUAL(S): available
 TITLE: COMPENDEX User's Manual
 AVAILABLE IN (MEDIA): hardcopy
 AVAILABLE FROM: producer

DATABASE TAPE DOCUMENTATION: available
 TITLE: COMPENDEX, Technical Description and Specification Manual
 BRIEF DESCRIPTION: Enables COMPENDEX user to understand organization and representation of the content of the data base
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$50.00
 (NOTE: one free copy to each Compendex database subscriber)

OTHER AIDS: available
 TITLE: Publications Indexed for Engineering (PIE)
 BRIEF DESCRIPTION: Listing of journals and conferences abstracted and indexed by EI, published annually
 AVAILABLE IN (MEDIA): hardcopy; supplement issued during year
 PRICE (US DOLLARS): \$10.00
 (NOTE: one free copy to each Compendex database subscriber)
 AVAILABLE FROM: producer

TITLE: CAL Classification Codes
 BRIEF DESCRIPTION: Provides numerical codes by groups and divisions and subject headings
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): free
 AVAILABLE FROM: producer

TITLE: Subheadings Index (SHE inverted)
 BRIEF DESCRIPTION: Contains alphabetically-arranged summary of all subheadings listed in SHE
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$15.00
 AVAILABLE FROM: producer

TITLE: Subject Heading Guide to Engineering Categories
 BRIEF DESCRIPTION: Shows main and subheadings used with Card-Alert Category codes and related CAL codes
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$10.00
 AVAILABLE FROM: producer

9. FEMA INTEREST

Extensive coverage of chemical and radiation hazards, nuclear power engineering, dam safety and earthquake resistant engineering. Also includes substantial information on prediction of natural disasters, oil spills, construction failures, erosion and runoff, and power blackouts.

DOE Energy Data Base

1. BASIC INFORMATION

NAME OF DATABASE
 ACRONYM/SHORT NAME: EDB
 (NOTE: Since January, 1976 EDB has included INIS and since July, 1976 EDB has incorporated NSA which was discontinued as a separate data base.)
 FULL NAME: DOE Energy Data Base
 FREQUENCY OF ISSUING DATABASE UPDATES: semimonthly
 TIME SPAN COVERED BY DATABASE: 1880 to present
 (NOTE: late 1800's)
 FIRST AVAILABLE IN MACHINE-READABLE FORM: 1974
 MERGED DATABASE (This is a merged database and contains records from the following source database(s)):
 Source Database(s)
 INIS, January 1976+
 COMPENDEX - Energy Abstracts
 NTIS Bibliographic Data File
 NASA-STAR
 NASA-IAA
 RELATED MACHINE-READABLE FILES:
 Corporate Author Codes
 Thesaurus
 Journal CODEN
 Report Prefix Authority
 CORRESPONDENCE WITH PRINTED SOURCE(S):
 Energy Abstracts for Policy Analysis (database contains same no. of references)
 Power Reactor Docket Information
 (NOTE: discontinued)
 Energy Research Abstracts (database contains same no. of references)
 Solar Energy Update (database contains same no. of references)
 Atomindex (database contains same no. of references)
 Fossil Energy Update (database contains same no. of references)
 Fusion Energy Update (database contains same no. of references)
 Energy Conservation Update (database contains same no. of references)
 Geothermal Energy Update (database contains same no. of references)
 Current Energy Patents (database contains same no. of references)
 Synthetic Fuels Update (database contains same no. of references)
 In addition the database contains records that do not appear in the above printed source(s).

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE
 U.S. Department of Energy
 DOE
 Technical Information Center
 P.O. Box 62
 Oak Ridge
 TN 37830, USA
 TELEPHONE: 615/576-1155
 PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. David E. Bost
 DISTRIBUTOR OF DATABASE
 National Technical Information Service
 NTIS
 Data Base Services
 Attn: EDB Tape Sales
 Springfield
 VA 22161, USA
 TELEPHONE: 703/487-4808
 PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Mr. Marvin Wilson

GENERATOR OF (PHYSICAL) DATABASE
 Department of Energy
 (NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes
 NUMBER OF TAPES ISSUED PER YEAR: 24
 RESTRICTIONS: No restrictions
 PURCHASE (US DOLLARS): 2950

BACK FILES:

COMMERCIALY AVAILABLE: yes
 YEARS AVAILABLE: 1974-present
 PURCHASE (US DOLLARS): 2950

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Covers international literature relevant to the various energy fields.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 810,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 160,000
 BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

55 % Journal articles

Of these, 90 % are published in English
 3000 - Approx. total no. of journal titles reviewed for input

35 % Government reports/documents

5 % Patents

Of these, 75 % are U.S.A. patents

5 % Monographs, published proceedings, theses, etc.

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, German, Russian

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, United Kingdom, West Germany, The Netherlands

5. SUBJECT ANALYSIS/INDEXING DATA

Enriched titles

Avg. no. added terms/title: 3

Controlled terms (from thesaurus)

Avg. no. terms/document: 10

Subject headings

(NOTE: Subject headings may be constructed of indexer paired descriptors (keywords), e.g., coal/combustion.)

Avg. no. subject headings/document: 3

Subject coding/Classification scheme

Name of scheme: EDB Subject Categories

Avg. no. categories/document: 1.3

Other subject analysis/indexing data: 10 additional broader terms added

6. DATA ELEMENTS PRESENT

Usu. Occ.

- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Author address (location and/or affiliation)
- X-- ---- Editor(s)
- X-- ---- Editor address (location and/or affiliation)
- X-- ---- Corporate author(s)
- X-- ---- Corporate author address (location and/or affiliation)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Title of source item (journal, conference proceedings)
- X-- ---- Bibliographic reference (volume, issue)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- X-- ---- Publisher

14 DOE Energy Data Base (cont'd.)

- X-- ---- Place of publication
- -X-- Standard bibliographic codes: ISSN
- X-- ---- Standard bibliographic codes: CODEN
- -X-- Standard bibliographic codes: ISBN
- -X-- Standard bibliographic codes: other
- X-- ---- Abstract, summary
(NOTE: Abstracts are included for most of the entries processed after June 1, 1976.)
- X-- ---- Patent information
- X-- ---- Report number
- X-- ---- Language (of item)
- X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
- X-- ---- Price of item

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: producer; BRS; DOE/RECON; INKA; LIS; SDC
 DATABASE PROCESSED FOR BATCH SEARCHING BY: GIDC; NERAC; WRISC
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer; NTIS; Information Index Inc., P.O. Box 866, Oak Ridge TN 37830
 (NOTE: Documents are available from producer for DOE sponsored reports only.)

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available
 TITLE: DOE Subject Indexing and Retrieval Thesaurus, DOE Report TID-7000-R5, January 1981
 BRIEF DESCRIPTION: Updates are available from DOE/TIC on quarterly basis
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$16.25
 AVAILABLE FROM: NTIS

USER MANUAL(S): available
 TITLE: DOE/RECON User's Manual, TID-4586
 BRIEF DESCRIPTION: Describes the RECON search system and features and specific descriptions for each data base processed by the DOE/RECON system
 AVAILABLE IN (MEDIA): hardcopy
 AVAILABLE FROM: producer

DATABASE TAPE DOCUMENTATION: available
 TITLE: DOE Energy Information Data Base Magnetic Tape Description TID-4581-R4, June 1980
 BRIEF DESCRIPTION: Description of data elements and tape format
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$3.50/hc; \$2.25/mf
 AVAILABLE FROM: NTIS

OTHER AIDS: available
 TITLE: EDB Subject Categories
 BRIEF DESCRIPTION: Codes, names, and content notes for subject categories
 AVAILABLE IN (MEDIA): hardcopy; microfilm
 PRICE (US DOLLARS): \$6.00
 AVAILABLE FROM: NTIS, TID-4584 R3

9. FEMA INTEREST

Extensive coverage on all major areas of interest to FEMA. Especially strong coverage of national defense, chemical hazards, radiation hazards, nuclear power, fire, dams, earthquakes, construction failures and power blackouts. Also includes substantial information on explosives, runoff and erosion.

Envirotapes

1. BASIC INFORMATION

NAME OF DATABASE

FULL NAME: Envirotapes

FREQUENCY OF ISSUING DATABASE UPDATES: monthly

TIME SPAN COVERED BY DATABASE: 1970 to present

FIRST AVAILABLE IN MACHINE-READABLE FORM: 1971

CORRESPONDENCE WITH PRINTED SOURCE(S):

Environment Abstracts, 1970+ (database contains same no. of references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Environment Information Center, Inc.

EIC

48 W. 38th St.

New York

NY 10018, USA

TELEPHONE: 212/944-8500

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. James Kollegger

DISTRIBUTOR OF DATABASE

Environment Information Center, Inc.

(NOTE: See above for full information.)

GENERATOR OF (PHYSICAL) DATABASE

Environment Information Center, Inc.

(NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES ISSUED PER YEAR: 10 tapes/year (May-June and Nov.-Dec. combined)

LEASE (US DOLLARS): special arrangements

BACK FILES:

COMMERCIALY AVAILABLE: yes

YEARS AVAILABLE: 1971-present, 11 tapes/yr

LEASE (US DOLLARS): special arrangements

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes

NUMBER OF RECORDS ON SAMPLE TAPE(S): 1 monthly tape

LEASE (US DOLLARS): Free but must be returned if no lease arrangement results.

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Covers the literature of all major environmental areas

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 93,000

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 8750

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

60 % Journal articles

Of these, 98 % are published in English

3500 - Approx. total no. of journal titles reviewed for input

24 % Government reports/documents

3 % Monographs, published proceedings, theses, etc.

9 % Preprints, papers presented at conferences

1 % News items from releases, press reports, broadcasts, newspapers, etc.

3 % Other: Books; films

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, German, French

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, United Kingdom, West Germany

16 Envirotapes (cont'd.)

5. SUBJECT ANALYSIS/INDEXING DATA

Controlled terms (from thesaurus)
 Avg. no. terms/document: 8-14
 Subject headings
 Avg. no. subject headings/document: 1
 Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):
 Chemical name from source of data
 Trade name(s)

6. DATA ELEMENTS PRESENT

Usu. Occ.
 -X-- ---- Item accession number, unique id
 -X-- ---- Author(s)
 -X-- ---- Author address (location and/or affiliation)
 -X-- ---- Editor(s)
 -X-- ---- Editor address (location and/or affiliation)
 -X-- ---- Corporate author(s)
 -X-- ---- Corporate author address (location and/or affiliation)
 (NOTE: city, state or country)
 -X-- ---- Title of item (original language, translation, transliteration)
 -X-- ---- Title of source item (journal, conference proceedings)
 -X-- ---- Bibliographic reference (volume, issue)
 -X-- ---- Page(s), inclusive or total
 -X-- ---- Date (publication date of item, dates for patents)
 -X-- ---- Cited references by source item; total number
 -X-- ---- Standard bibliographic codes: ISBN
 -X-- ---- Abstract, summary
 -X-- ---- Report number
 -X-- ---- Language (of item)
 (NOTE: other than English)
 -X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; DOE/RECON; IRS (ESA); LIS; SDC
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer;
 (NOTE: Document delivery is available on microfiche)

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available
 TITLE: Structured Keyterm List
 BRIEF DESCRIPTION: Alphabetical listing of keyterms within 30 broad categories
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): available with lease of tapes
 AVAILABLE FROM: producer
 USER MANUAL(S): available
 TITLE: Envirotapes Manual
 BRIEF DESCRIPTION: Describes general guidelines for searching the data base
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): available with lease of tapes
 AVAILABLE FROM: producer
 DATABASE TAPE DOCUMENTATION: available
 TITLE: Envirotapes Manual
 BRIEF DESCRIPTION: Describes tape specifications, record format and data elements
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): available with lease of tapes
 AVAILABLE FROM: producer
 OTHER AIDS: available
 TITLE: Enviroline User's Manual
 BRIEF DESCRIPTION: Provides description of database, search fields and strategies,
 keyterm list (for online users)
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$25.00
 AVAILABLE FROM: producer

TITLE: Connectives

BRIEF DESCRIPTION: Quarterly newsletter highlighting important issues in energy/environment and information fields, provides search strategies and other support information for maximizing databases' effectiveness

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): free to Envirotapes/Enviroline users and to qualified inquirers

AVAILABLE FROM: producer

9. FEMA INTEREST

Extensive coverage of toxic wastes, chemical accidents, radiation hazards, runoff and oil spills. Also includes substantial information on floods, dams, erosion and drought.

GPO Monthly Catalog, MARC Distribution Service

1. BASIC INFORMATION

NAME OF DATABASE

ACRONYM/SHORT NAME: GPO Monthly Catalog

FULL NAME: GPO Monthly Catalog, MARC Distribution Service

FREQUENCY OF ISSUING DATABASE UPDATES: monthly

TIME SPAN COVERED BY DATABASE: 1976 to present

(NOTE: Some documents go back earlier.)

CORRESPONDENCE WITH PRINTED SOURCE(S):

Monthly Catalog of United States Government Publications (database contains same no. of references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Government Printing Office

Library Division

5236 Eisenhower Ave.

Alexandria

VA 22304, USA

TELEPHONE: 703/557-2135

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. Stuart Greenberg

DISTRIBUTOR OF DATABASE

Library of Congress, Cataloging Distribution Service

Bldg. 159, Navy Yard Annex

Washington

DC 20541, USA

TELEPHONE: 202/287-6100

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Customer Services Section

GENERATOR OF (PHYSICAL) DATABASE

Library of Congress, Cataloging Distribution Service

Bldg. 159

Navy Yard Annex

Washington

DC 20541, USA

TELEPHONE: 202/287-6144

PERSON TO CONTACT RE DATABASE FORMAT, SOFTWARE DATA: Mr. B. Segel

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES ISSUED PER YEAR: 12

BACK FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES PER YEAR: 1

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes

NUMBER OF RECORDS ON SAMPLE TAPE(S): 300 minimum

PURCHASE (US DOLLARS): \$50.00

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Contains all unclassified documents that are produced at government expense

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 116,000

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 29,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

100 % Government reports/documents

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA

5. SUBJECT ANALYSIS/INDEXING DATA

Subject headings
 Avg. no. subject headings/document: 2-3
 Subject coding/Classification scheme
 Name of scheme: Library of Congress

6. DATA ELEMENTS PRESENT

Usu. Occ.
 -X-- ---- Item accession number, unique id
 -X-- ---- Author(s)
 -X-- ---- Editor(s)
 -X-- ---- Corporate author(s)
 -X-- ---- Corporate author address (location and/or affiliation)
 -X-- ---- Title of item (original language, translation, transliteration)
 -X-- ---- Bibliographic reference (volume, issue)
 -X-- ---- Page(s), inclusive or total
 -X-- ---- Date (publication date of item, dates for patents)
 -X-- ---- Publisher
 -X-- ---- Place of publication
 -X-- ---- Standard bibliographic codes: ISSN
 -X-- ---- Standard bibliographic codes: CODEN
 -X-- ---- Standard bibliographic codes: ISBN
 -X-- ---- Report number
 ---- -X-- Language (of item)
 -X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
 -X-- ---- Price of item
 -X-- ---- Other data elements: Indicates if bibliography is included; ordering information,
 date entered into system

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; LIS
 DATABASE PROCESSED FOR BATCH SEARCHING BY: Library of Congress, Cataloging Distribution
 Service
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: Superintendent of Documents,
 Issuing Agency

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available
 TITLE: Library of Congress Subject Headings
 USER MANUAL(S): available
 TITLE: Composite MARC Format (Special Revised Edition)
 BRIEF DESCRIPTION: Outlines data elements used in GPO records
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): free to subscribers
 AVAILABLE FROM: Cataloging Distribution Service, Library of Congress
 DATABASE TAPE DOCUMENTATION: available
 BRIEF DESCRIPTION: Various information sheets describing file structure, etc.
 PRICE (US DOLLARS): free to subscribers

9. FEMA INTEREST

Extensive coverage of radiation hazards, chemical hazards, nuclear power, explosives, fire, earthquakes, and construction failures. Also includes substantial information on dams, all natural hazards, and runoff.

Health Planning and Administration

1. BASIC INFORMATION

NAME OF DATABASE
 ACRONYM/SHORT NAME: HEALTH
 FULL NAME: Health Planning and Administration
 FREQUENCY OF ISSUING DATABASE UPDATES: monthly
 TIME SPAN COVERED BY DATABASE: 1975 to present
 FIRST AVAILABLE IN MACHINE-READABLE FORM: 1978
 MERGED DATABASE (This is a merged database and contains records from the following source database(s)):
 Source Database(s)
 MEDLINE
 Hospital Literature Index
 CORRESPONDENCE WITH PRINTED SOURCE(S):
 Hospital Literature Index (database contains same no. of references)
 in addition the database contains records that do not appear in the above printed source(s).

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE
 National Library of Medicine
 NLM
 8600 Rockville Pike
 Bethesda
 MD 20209, USA
 TELEPHONE: 301/496-3497
 PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Dr. Joseph Leiter
 American Hospital Association
 AHA
 840 North Lake Shore Dr.
 Chicago
 IL 60611, USA
 TELEPHONE: 312/645-9400
 DISTRIBUTOR OF DATABASE
 National Library of Medicine
 (NOTE: see above for full information)
 GENERATOR OF (PHYSICAL) DATABASE
 National Library of Medicine
 (NOTE: see above for full information)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:
 COMMERCIALY AVAILABLE: no
 NUMBER OF TAPES ISSUED PER YEAR: 12
 LICENSE (US DOLLARS): \$2,000
 BACK FILES:
 COMMERCIALY AVAILABLE: no
 SAMPLE TAPES:
 COMMERCIALY AVAILABLE: yes
 LEASE (US DOLLARS): \$100.

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Health care planning, organization, financing, management, manpower and related subjects
 APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 187,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 25,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

100 % Journal articles

Of these, 87 % are published in English

13 - No. Journals from which all articles entered

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, Multiple Languages

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, Worldwide

5. SUBJECT ANALYSIS/INDEXING DATA

Subject headings

(NOTE: Medical Subject Headings (MeSH) - controlled)

Avg. no. subject headings/document: 6

Subject coding/Classification scheme

Name of scheme: NLM MeSH Classification

Avg. no. categories/document: 6

6. DATA ELEMENTS PRESENT

Usu. Occ.

- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Editor(s)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Title of source item (journal, conference proceedings)
- X-- ---- Bibliographic reference (volume, issue)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- X-- ---- Standard bibliographic codes: ISSN
- -X-- Abstract, summary
- X-- ---- Language (of item)
- -X-- Other data elements: PHS/NIH grant numbers

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: producer; BLAISE; BRS; DIMDI; LIS

(NOTE: There are numerous organizations in the United States and Internationally that are official providers of NLM database services but which do not process tapes.)

DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: Regional Medical Library Network

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: service desk; training classes; updates

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available

TITLE: NLM Medical Subject Headings (MeSH)

AVAILABLE IN (MEDIA): hardcopy; microfiche

PRICE (US DOLLARS): \$10.50/hc; \$3.50/mf

AVAILABLE FROM: NTIS

USER MANUAL(S): available

TITLE: Online Services Reference Manual, 1980

BRIEF DESCRIPTION: Describes searching features of the NLM on-line system and individual NLM data bases

AVAILABLE IN (MEDIA): hardcopy; microfiche

PRICE (US DOLLARS): \$15.00/hc; \$3.00/mf

AVAILABLE FROM: NTIS

9. FEMA INTEREST

Extensive coverage of the management of the medical aspects of all disasters or emergencies. Includes information on radiation effects, disease outbreaks, and health hazards posed by extreme weather.

22 Information Services for the Physics and Engineering Communities

Information Services for the Physics and Engineering Communities

1. BASIC INFORMATION

NAME OF DATABASE

ACRONYM/SHORT NAME: INSPEC

FULL NAME: Information Services for the Physics and Engineering Communities

FREQUENCY OF ISSUING DATABASE UPDATES: biweekly

TIME SPAN COVERED BY DATABASE: 1969 to present

FIRST AVAILABLE IN MACHINE-READABLE FORM: 1969

MERGED DATABASE (This is a merged database and contains records from the following source database(s):

Source Database(s)

Inspec A

Inspec B

Inspec C

RELATED MACHINE-READABLE FILES:

INSPEC List of Journals, Classification and Thesaurus

CORRESPONDENCE WITH PRINTED SOURCE(S):

Physics Abstracts, 1969+ (database contains same no. of references)

Electrical and Electronics Abstracts, 1969+ (database contains same no. or references)

Computer and Control Abstracts, 1969+ (database contains same no. of references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Institution of Electrical Engineers

IEE

Station House

Nightingale Rd.

Hitchin

Hertfordshire SG5 1RJ, UK

TELEPHONE: (0462) 53331, TELEX: 825962 I EE G

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: J. Pache, P. Ashton, R. Turner

DISTRIBUTOR OF DATABASE

Institution of Electrical Engineers

(NOTE: See above for full information.)

INSPEC/IEEE Service Center

445 Hoes Lane

Piscataway

NJ 08854, USA

TELEPHONE: 201/981-0060

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Mrs. Cathy Ferrere

(NOTE: For residents of North America and South America.)

GENERATOR OF (PHYSICAL) DATABASE

Institution of Electrical Engineers

(NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES ISSUED PER YEAR: 24 issues/year

LEASE (US DOLLARS): \$10,400.00

OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): special arrangements by contract

OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): special arrangements by contract

BACK FILES:

COMMERCIALY AVAILABLE: yes

YEARS AVAILABLE: 1969 - present

NUMBER OF TAPES PER YEAR: 24

LEASE (US DOLLARS): 1977-80: \$5,200.00/yr.; 1973-76: \$4,160.00/yr.;

1970-72: \$3,120.00/yr.; 1969: \$2,080.00

OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): special arrangements by contract

OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): special arrangements by contract

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes
 NUMBER OF RECORDS ON SAMPLE TAPE(S): 6,000 (random selection of records)
 RESTRICTIONS: Charge is deductible if lease arrangements result.
 PURCHASE (US DOLLARS): \$170.00

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Worldwide coverage of literature related to physics, electrical and electronics engineering, computers and control engineering. (See this section in separate entries for INSPEC A, B, and C for more detailed listing.)

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 1,775,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 170,000
 BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

79 % Journal articles

Of these, 88 % are published in English

350 - No. Journals from which all articles entered

2200 - Approx. total no. of journal titles reviewed for input

1 % Government reports/documents

1 % Patents

(NOTE: Small percent in older portion of file.)

19 % Monographs, published proceedings, theses, etc.

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: Multiple Languages

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: Worldwide

5. SUBJECT ANALYSIS/INDEXING DATA

Enriched titles

(NOTE: Titles enriched only to clarify meaning. Number of titles enriched is small.)

Uncontrolled keywords

Avg. no. keywords/document: 7-8

Controlled terms (from thesaurus)

Avg. no. terms/document: 3

Subject coding/Classification scheme

Name of scheme: own scheme

Avg. no. categories/document: <2

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

Molecular formula

6. DATA ELEMENTS PRESENT

Usu. Occ.

- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Author address (location and/or affiliation)
- X-- ---- Editor(s)
- X-- ---- Editor address (location and/or affiliation)
- -X-- Corporate author(s)
- -X-- Corporate author address (location and/or affiliation)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Title of source item (journal, conference proceedings)
- X-- ---- Bibliographic reference (volume, issue)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- X-- ---- Publisher
- X-- ---- Place of publication
- X-- ---- Cited references by source item: total number
- X-- ---- Standard bibliographic codes: CODEN
- X-- ---- Standard bibliographic codes: ISBN
- X-- ---- Abstract, summary
- X-- ---- Report number
- X-- ---- Language (of item)
- X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
- X-- ---- Treatment code or level of approach (e.g. review, appn., theory, etc.)
- -X-- Price of item

(NOTE: Books only.)

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; CISTI; DATA-STAR; INKA; IRS (ESA); LIS; Pergamon-Infoline; SDC
 DATABASE PROCESSED FOR BATCH SEARCHING BY: producer; AWRE; CISTI; COSTI; CSIR; CSIRC; INSDOC; KORSTIC; KTHB; Kinokuniya Book Store; NERAC; ULCC; UVTEI-UTZ
 OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: Weekly current awareness service: \$300.00/yr.; weekly standard profiles: \$140.00/yr/topic.

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available
 TITLE: INSPEC Thesaurus 1981
 BRIEF DESCRIPTION: Terms for physics, electrotechnology, computers and control consisting of an alphabetical listing, hierarchical display, and a classified listing with main terms beneath each unified category
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$70.00
 AVAILABLE FROM: producer
 USER MANUAL(S): available
 TITLE: INSPEC Database Users Guide, 3rd ed.
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$15
 AVAILABLE FROM: producer
 DATABASE TAPE DOCUMENTATION: available
 TITLE: Tape Services Manual
 BRIEF DESCRIPTION: Describes tape specification and data elements; available to tape subscribers
 AVAILABLE IN (MEDIA): hardcopy
 AVAILABLE FROM: producer
 OTHER AIDS: available
 TITLE: INSPEC Classification
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$22.50
 AVAILABLE FROM: producer
 TITLE: Concordance to the INSPEC Classification
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$11.25
 AVAILABLE FROM: producer
 TITLE: Guide to the INSPEC Classification Codes with Changed Meanings
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$5.50
 AVAILABLE FROM: producer
 TITLE: List of Journals
 AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$5.50
 AVAILABLE FROM: producer

9. FEMA INTEREST

Extensive coverage of emergency communication, warning devices, radiation hazards, toxic chemicals, and earthquakes. Also includes substantial information on nuclear power, explosives, storms, construction failures, most geologic disasters, and power blackouts.

MEDLARS ONLINE

1. BASIC INFORMATION

NAME OF DATABASE
ACRONYM/SHORT NAME: MEDLINE
FULL NAME: MEDLARS ONLINE
FREQUENCY OF ISSUING DATABASE UPDATES: monthly
TIME SPAN COVERED BY DATABASE: 1979 to present
(NOTE: Backfiles go back to 1966.)
FIRST AVAILABLE IN MACHINE-READABLE FORM: 1971
RELATED MACHINE-READABLE FILES:
SERLINE
MESH Vocabulary File
CORRESPONDENCE WITH PRINTED SOURCE(S):
Index Medicus (plus recurring bibliographies which are listed in Index Medicus)
(database contains same no. of references)
In addition the database contains records that do not appear in the above printed
source(s).

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE
National Library of Medicine
NLM
8600 Rockville Pike
Bethesda
MD 20209, USA
TELEPHONE: 301/496-3497
PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Dr. Joseph Leiter
DISTRIBUTOR OF DATABASE
National Library of Medicine
(NOTE: NLM in conjunction with NTIS distributes the MEDLINE database. See above
for full information.)
GENERATOR OF (PHYSICAL) DATABASE
National Library of Medicine
(NOTE: See above for full information)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:
COMMERCIALY AVAILABLE: yes
NUMBER OF TAPES ISSUED PER YEAR: 12
RESTRICTIONS: To be used at a specific location
LICENSE (US DOLLARS): \$50,000.00, first year; \$30,000.00 for each subsequent year;
\$2000 annually for copies of updated files.
(NOTE: includes MeSH vocabulary file)

BACK FILES:
COMMERCIALY AVAILABLE: yes
YEARS AVAILABLE: 1966-78
RESTRICTIONS: To be used at a specific location
LICENSE (US DOLLARS): included in license for current files

SAMPLE TAPES:
COMMERCIALY AVAILABLE: yes
NUMBER OF RECORDS ON SAMPLE TAPE(S): includes description of tape format with:
approximately 100 citations
RESTRICTIONS: none
LICENSE (US DOLLARS): \$100.00

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Worldwide coverage of the biomedical journal literature
APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 3,654,000
ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 289,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

99 % Journal articles

Of these, 65 % are published in English

2,700 - No. Journals from which all articles entered

3,000 - Approx. total no. of journal titles reviewed for input

1 % Monographs, published proceedings, theses, etc.

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: Multiple Languages

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: Worldwide

5. SUBJECT ANALYSIS/INDEXING DATA

Subject headings

Avg. no. subject headings/document: 12

Subject coding/Classification scheme

Name of scheme: NLM MeSH Classification

Avg. no. categories/document: 24

Other subject analysis/indexing data: Text words from title/abstract; personal name as subject

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

CAS Registry number

Chemical name from source of data

6. DATA ELEMENTS PRESENT

Usu. Occ.

-X-- ---- Item accession number, unique id

-X-- ---- Author(s)

---- -X-- Author address (location and/or affiliation)

(NOTE: SDILINE only)

-X-- ---- Title of item (original language, translation, transliteration)

-X-- ---- Title of source item (journal, conference proceedings)

-X-- ---- Bibliographic reference (volume, issue)

-X-- ---- Page(s), inclusive or total

-X-- ---- Date (publication date of item, dates for patents)

-X-- ---- Place of publication

-X-- ---- Standard bibliographic codes: ISSN

---- -X-- Abstract, summary

-X-- ---- Language (of item)

-X-- ---- Other data elements: PHS/NIH grant numbers

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: producer; BLAISE; BRS; DIMDI; JICST; LIS; MIC (Karolinska); National Library of Australia; PAHO (Brazil)

(NOTE: There are numerous organizations in the United States and Internationally that are official providers of NLM database services but which do not process tapes.)

DATABASE PROCESSED FOR BATCH SEARCHING BY: producer;

(NOTE: As listed above)

DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer; Regional Medical Library Network

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: Service Desk; training classes; updates.

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available

TITLE: NLM Medical Subject Headings (MeSH)

AVAILABLE IN (MEDIA): hardcopy; microfiche; mag tape

PRICE (US DOLLARS): \$15.00/hc; \$3.50/mf; Tape included in price of data base

AVAILABLE FROM: NTIS

TERM FREQUENCY (POSTINGS) LIST: available

BRIEF DESCRIPTION: Included in MeSH tape

AVAILABLE IN (MEDIA): mag tape

PRICE (US DOLLARS): Tape included in price of data base

USER MANUAL(S): available
TITLE: Online Services Reference Manual, 1980
BRIEF DESCRIPTION: Describes searching features of NLM on-line system and individual NLM databases.
AVAILABLE IN (MEDIA): hardcopy; microfiche
PRICE (US DOLLARS): \$10.50/hc, \$3.50/mf
AVAILABLE FROM: NTIS
DATABASE TAPE DOCUMENTATION: available
AVAILABLE IN (MEDIA): hardcopy

9. FEMA INTEREST

Extensive coverage of the medical and health aspects of radiation, climatological factors, and disease outbreaks. Also includes substantial information on health effects of pollution, health hazards in industry and medical planning in a war environment.

National Criminal Justice Reference Service

1. BASIC INFORMATION

NAME OF DATABASE

ACRONYM/SHORT NAME: NCJRS

FULL NAME: National Criminal Justice Reference Service

FREQUENCY OF ISSUING DATABASE UPDATES: monthly

TIME SPAN COVERED BY DATABASE: 1965 to present

(NOTE: Some older historical documents)

FIRST AVAILABLE IN MACHINE-READABLE FORM: 1972

RELATED MACHINE-READABLE FILES:

CORRESPONDENCE WITH PRINTED SOURCE(S):

Document Retrieval Index 1972-78 (database contains fewer references)

Document Retrieval Index 1979 Supplement (database contains fewer references)

Selective Notification of Information (database contains fewer references)

Selected Bibliographies (database contains fewer references)

In addition the database contains records that do not appear in the above printed source(s).

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

National Institute of Justice

NCJRS

U.S. Department of Justice

Washington

DC 20531, USA

TELEPHONE: 301/492-9094

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. Paul Estaver

DISTRIBUTOR OF DATABASE

National Institute of Justice

(NOTE: See above for full information)

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Linda King

GENERATOR OF (PHYSICAL) DATABASE

Aspen Systems Corp.

1600 Research Blvd.

Rockville

MD 20850, USA

TELEPHONE: 301/251-5500

PERSON TO CONTACT RE DATABASE FORMAT, SOFTWARE DATA: Ms. Georgette Semick

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES ISSUED PER YEAR: 12

BACK FILES:

COMMERCIALY AVAILABLE: yes

YEARS AVAILABLE: 1972-present

NUMBER OF TAPES PER YEAR: 12

SAMPLE TAPES:

COMMERCIALY AVAILABLE: no

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Covers the literature of law enforcement and criminal justice.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 61,500

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 8,640

(NOTE: The data base is periodically purged of older material which can be searched in the batch mode.)

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

- 31 % Journal articles
 - Of these, 95 % are published in English
 - 250 - Approx. total no. of journal titles reviewed for input
- 53 % Government reports/documents
- 10 % Monographs, published proceedings, theses, etc.
- 6 % Other: Films; audio-visuals; newspapers

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: Multiple Languages
 COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: Worldwide

5. SUBJECT ANALYSIS/INDEXING DATA

Controlled terms (from thesaurus)
 Avg. no. terms/document: 7.3

6. DATA ELEMENTS PRESENT

- Usu. Occ.
- X-- ---- Item accession number, unique id
 - X-- ---- Author(s)
 - X-- ---- Author address (location and/or affiliation)
 - X-- ---- Editor(s)
 - X-- ---- Editor address (location and/or affiliation)
 - X-- ---- Corporate author(s)
 - X-- ---- Corporate author address (location and/or affiliation)
 - X-- ---- Title of item (original language, translation, transliteration)
 - X-- ---- Title of source item (journal, conference proceedings)
 - X-- ---- Bibliographic reference (volume, issue)
 - X-- ---- Page(s), inclusive or total
 - X-- ---- Date (publication date of item, dates for patents)
 - X-- ---- Publisher
 - X-- ---- Place of publication
 - X-- ---- Abstract, summary
 - X-- ---- Report number
 - X-- ---- Language (of item)
 - X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
 - -X-- Price of item
 - X-- ---- Other data elements: Availability of item; supplementary notes; GPO and NTIS stock numbers; thesis or dissertation; copyright status; country or origin.

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: LIS
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer
 (NOTE: Only LEAA documents and some microfiche are available. Some documents produced by LEAA, NIJ, and BJS are available without charge. About 25% of document collection also available on microfiche from NCJRS.)
 OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: NCJRS makes available at no charge, many non-copyright documents on microfiche. A current awareness service, SNI (Selective Notification of Information) is distributed monthly to registered users. NCJRS reference specialists also conduct online searches of the data base. NCJRS Selected Bibliographies - published topical data base searches.

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available
 TITLE: National Criminal Justice Thesaurus
 AVAILABLE IN (MEDIA): hardcopy
 AVAILABLE FROM: GPO 027-000-00636-1
 OTHER AIDS: available
 TITLE: This is NCJRS (National Criminal Justice Reference Service)
 AVAILABLE FROM: producer, Box 6000, Rockville, MD 20850

9. FEMA INTEREST

Extensive coverage of civil disturbances of all types and terrorism, both national and international. Also includes substantial information on national defense, explosives, arson and construction failures -- all from the point of view of preventing the criminal act.

30 National Technical Information Service Bibliographic Data Base

National Technical Information Service Bibliographic Data Base

1. BASIC INFORMATION

NAME OF DATABASE

ACRONYM/SHORT NAME: NTIS Bibliographic Data Base

FULL NAME: National Technical Information Service Bibliographic Data Base

FREQUENCY OF ISSUING DATABASE UPDATES: biweekly

TIME SPAN COVERED BY DATABASE: 1964 to present

FIRST AVAILABLE IN MACHINE-READABLE FORM: 1970

CORRESPONDENCE WITH PRINTED SOURCE(S):

Government Reports Announcement (database contains same no. of references)
 In addition the database contains records that do not appear in the above printed source(s).

(NOTE: The database contains delimited and unclassified documents which are released by the Dept. of Defense. These documents are not announced in GRA&I because they are usually very old. They can be identified by using the identifier TISDaDX.)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

National Technical Information Service

NTIS

U.S. Department of Commerce

5285 Port Royal Rd.

Springfield

VA 22161, USA

TELEPHONE: 703/487-4807

PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. David Grooms

DISTRIBUTOR OF DATABASE

National Technical Information Service

(NOTE: See above for full information.)

GENERATOR OF (PHYSICAL) DATABASE

National Technical Information Service

(NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes

NUMBER OF TAPES ISSUED PER YEAR: 26 issues

RESTRICTIONS: All rights to data contained in the file remain with the Government
 and use is authorized within the customer's organizational structure
 according to the terms of the lease agreement.

LEASE (US DOLLARS): \$5350.00/yr domestic, \$7150.00/yr foreign

LICENSE (US DOLLARS): Request information.

OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): Request information.

OTHER FEES CHARGED BY PRODUCER (BATCH) (US DOLLARS): Request information.

BACK FILES:

COMMERCIALY AVAILABLE: yes

YEARS AVAILABLE: 1964+, per year

RESTRICTIONS: All rights to data contained in the file remain with the Government
 and use is authorized within the customer's organizational structure
 according to the terms of the lease agreement.

LEASE (US DOLLARS): \$5350.00/yr domestic, \$7150.00/yr foreign

LICENSE (US DOLLARS): Request information.

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes

NUMBER OF RECORDS ON SAMPLE TAPE(S): 1 issue, issue 13 of current year

PURCHASE (US DOLLARS): \$40.00

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Multidisciplinary coverage of unclassified technical reports generated by U.S. Government-sponsored research

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 810,000

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 60,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

16 % Journal articles

Of these, 95 % are published in English

84 % Government reports/documents

(NOTE: Reports for this database are registered by the following four sectors: NASA, DDC, DOE, and many Departments and independent agencies, some of which include: Commerce; Defense; Health and Human Services; Education, Housing and Urban Development; Interior; Labor; State; Transportation; Treasury; Environmental Protection Agency; and the National Science Foundation.)

5. SUBJECT ANALYSIS/INDEXING DATA

Uncontrolled keywords

Avg. no. keywords/document: 4-6

Controlled terms (from thesaurus)

Avg. no. terms/document: 6-8

Subject coding/Classification scheme

Name of scheme: COSATI/NTIS

Avg. no. categories/document: 2-4

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

6. DATA ELEMENTS PRESENT

Usu. Occ.

-X-- ---- Item accession number, unique id

-X-- ---- Author(s)

-X-- ---- Corporate author(s)

-X-- ---- Corporate author address (location and/or affiliation)

-X-- ---- Title of item (original language, translation, transliteration)

-X-- ---- Page(s), inclusive or total

-X-- ---- Date (publication date of item, dates for patents)

---- -X-- Publisher

---- -X-- Place of publication

-X-- ---- Abstract, summary

---- -X-- Patent information

-X-- ---- Report number

---- -X-- Language (of item)

---- -X-- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)

-X-- ---- Price of item

-X-- ---- Other data elements: Comments on the item; cross references to related items by accession number; 2 digit code for country of intellectual origin.

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; DATA-STAR; INKA; IRS (ESA); LIS; SDC

DATABASE PROCESSED FOR BATCH SEARCHING BY: producer; ARAC; CISTI; GIDC; IRS (ESA); ISU Comp

Center; KASC; MIC (Karolinska); NC/STRC; NERAC; NIAC; RIT

DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: current awareness

service (SRIM) and retrospective search service NTISearch System

9. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available

TITLE: Thesaurus of Engineering and Scientific Terms, 1967

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): \$25.00 (hardcover); \$20.00 (softcover)

TITLE: National Technical Information Service List of Business and Economic Terms, December 1973

AVAILABLE IN (MEDIA): hardcopy; microfilm
 PRICE (US DOLLARS): \$20.00/hc; \$200/mf
 TITLE: DDC Retrieval and Indexing Terminology (DRIT) Vols. I-II
 BRIEF DESCRIPTION: Volume I includes an alphabetical listing of uncontrolled terms and Volume 2 includes a hierarchical index of generic and specific terms

AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$15.25/vol.
 TITLE: INIS Thesaurus, July 1974 (7th revision)
 BRIEF DESCRIPTION: Used from October 1973 to present

AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$8.00
 TITLE: Subject Headings Used by the USAEC Division of Technical Information, February 1971 (10th revision)

BRIEF DESCRIPTION: Used from 1964-September 1973

AVAILABLE IN (MEDIA): hardcopy; microfiche
 PRICE (US DOLLARS): \$8.50/hc; \$2.25/mf
 TITLE: NASA Thesaurus Alphabetical Update, September 1971

AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$9.00

TITLE: Thesaurus of ERIC Descriptors, 1974
 BRIEF DESCRIPTION: A basic alphabetical thesaurus which contains a hierarchical and rotated display of descriptors

AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$8.95
 TITLE: Thesaurus of DDC Descriptors, June 1966

BRIEF DESCRIPTION: Used from 1964-December 1973
 PRICE (US DOLLARS): unavailable

USER MANUAL(S): available

TITLE: A Guide to the NTIS Bibliographic Data Base
 BRIEF DESCRIPTION: Describes thesauri used in indexing and other aids for searching the NTIS Data Base

AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): free
 AVAILABLE FROM: NTIS PR-253

DATABASE TAPE DOCUMENTATION: available

TITLE: NTIS Bibliographic Data Base (GRA), January 1975
 BRIEF DESCRIPTION: Describes database contents, data elements and tag numbers and record format

AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): available on request

9. FEMA INTEREST

Extensive coverage of chemical hazards, radiation hazards, fire, earthquakes, and construction-failures. Also includes substantial information on civil defense, emergency communications, preparedness, floods, dam safety, all natural disasters, and shelters.

- AVAILABLE IN (MEDIA): hardcopy; microfilm
 PRICE (US DOLLARS): \$20.00/hc; \$200/mf
 TITLE: DDC Retrieval and Indexing Terminology (DRIT) Vols. I-II
 BRIEF DESCRIPTION: Volume I includes an alphabetical listing of uncontrolled terms and Volume 2 includes a hierarchical index of generic and specific terms
- AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$15.25/vol.
 TITLE: INIS Thesaurus, July 1974 (7th revision)
 BRIEF DESCRIPTION: Used from October 1973 to present
- AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$8.00
 TITLE: Subject Headings Used by the USAEC Division of Technical Information, February 1971 (10th revision)
 BRIEF DESCRIPTION: Used from 1964-September 1973
- AVAILABLE IN (MEDIA): hardcopy; microfiche
 PRICE (US DOLLARS): \$8.50/hc; \$2.25/mf
 TITLE: NASA Thesaurus Alphabetical Update, September 1971
- AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$9.00
 TITLE: Thesaurus of ERIC Descriptors, 1974
 BRIEF DESCRIPTION: A basic alphabetical thesaurus which contains a hierarchical and rotated display of descriptors
- AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): \$8.95
 TITLE: Thesaurus of DDC Descriptors, June 1966
 BRIEF DESCRIPTION: Used from 1964-December 1973
 PRICE (US DOLLARS): unavailable
- USER MANUAL(S): available
 TITLE: A Guide to the NTIS Bibliographic Data Base
 BRIEF DESCRIPTION: Describes thesauri used in indexing and other aids for searching the NTIS Data Base
- AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): free
 AVAILABLE FROM: NTIS PR-253
- DATABASE TAPE DOCUMENTATION: available
 TITLE: NTIS Bibliographic Data Base (GRA), January 1975
 BRIEF DESCRIPTION: Describes database contents, data elements and tag numbers and record format
- AVAILABLE IN (MEDIA): hardcopy
 PRICE (US DOLLARS): available on request

9. FEMA INTEREST

Extensive coverage of chemical hazards, radiation hazards, fire, earthquakes, and construction-failures. Also includes substantial information on civil defense, emergency communications, preparedness, floods, dam safety, all natural disasters, and shelters.

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Multidisciplinary coverage of unclassified technical reports generated by U.S. Government-sponsored research

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 810,000

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 60,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

16 % Journal articles

Of these, 95 % are published in English

84 % Government reports/documents

(NOTE: Reports for this database are registered by the following four sectors: NASA, DDC, DOE, and many Departments and independent agencies, some of which include: Commerce; Defense; Health and Human Services; Education, Housing and Urban Development; Interior; Labor; State; Transportation; Treasury; Environmental Protection Agency; and the National Science Foundation.)

5. SUBJECT ANALYSIS/INDEXING DATA

Uncontrolled keywords

Avg. no. keywords/document: 4-6

Controlled terms (from thesaurus)

Avg. no. terms/document: 6-8

Subject coding/Classification scheme

Name of scheme: COSATI/NTIS

Avg. no. categories/document: 2-4

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

6. DATA ELEMENTS PRESENT

Usu. Occ.

- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Corporate author(s)
- X-- ---- Corporate author address (location and/or affiliation)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- -X-- Publisher
- -X-- Place of publication
- X-- ---- Abstract, summary
- -X-- Patent information
- X-- ---- Report number
- -X-- Language (of item)
- -X-- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
- X-- ---- Price of item
- X-- ---- Other data elements: Comments on the item; cross references to related items by accession number; 2 digit code for country of intellectual origin.

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; DATA-STAR; INKA; IRS (ESA); LIS; SDC
 DATABASE PROCESSED FOR BATCH SEARCHING BY: producer; ARAC; CISTI; GIDC; IRS (ESA); ISU Comp
 Center; KASC; MIC (Karolinska); NC/STRC; NERAC; NIAC; RIT
 DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer
 OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: current awareness
 service (SRIM) and retrospective search service NTISearch System

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available

TITLE: Thesaurus of Engineering and Scientific Terms, 1967

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): \$25.00 (hardcover); \$20.00 (softcover)

TITLE: National Technical Information Service List of Business and Economic Terms,
 December 1973

POLLUTION ABSTRACTS

1. BASIC INFORMATION

NAME OF DATABASE

FULL NAME: POLLUTION ABSTRACTS
FREQUENCY OF ISSUING DATABASE UPDATES: bimonthly
TIME SPAN COVERED BY DATABASE: 1970 to present
FIRST AVAILABLE IN MACHINE-READABLE FORM: 1974
CORRESPONDENCE WITH PRINTED SOURCE(S):
Pollution Abstracts, 1970+ (database contains same no. of references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Cambridge Scientific Abstracts
CSA
5161 River Rd., Bldg. #60
Washington
DC 20016, USA
TELEPHONE: 301/951-1400. TELEX: 89-0452
PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mark Bayer

DISTRIBUTOR OF DATABASE

Cambridge Scientific Abstracts
(NOTE: See above for full information.)

GENERATOR OF (PHYSICAL) DATABASE

Cambridge Scientific Abstracts
(NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes
NUMBER OF TAPES ISSUED PER YEAR: 6
RESTRICTIONS: Internal use only. Lease arrangement will specify any use outside of organization.
LEASE (US DOLLARS): \$3200.00/yr (1981)
LICENSE (US DOLLARS): special arrangements

BACK FILES:

COMMERCIALY AVAILABLE: yes
YEARS AVAILABLE: entire file, 1970-1980
NUMBER OF TAPES PER YEAR: 6
RESTRICTIONS: Internal use only. Lease arrangement will specify any use outside of organization.
LEASE (US DOLLARS): Details on request
LICENSE (US DOLLARS): special arrangements

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes
NUMBER OF RECORDS ON SAMPLE TAPE(S): 1 bimonthly issue
LEASE (US DOLLARS): \$50.00
(NOTE: Applicable toward lease of tape if lease arrangement results.)

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Worldwide coverage of significant technical literature on all major pollution-related topics: air pollution, water pollution; solid wastes, noise pollution, pesticides, radiation, general environmental quality, sewage and waste water treatment, land pollution, and toxicology and health.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 81,500
ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 8500

34 POLLUTION ABSTRACTS (cont'd.)

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

60 % Journal articles

Of these, 90 % are published in English

100 - No. Journals from which all articles entered

(NOTE: Because of the interdisciplinary nature of the database, few journals are covered in a cover-to-cover fashion. However, many more journals are covered in a "majority-of-articles" fashion, and all journals are covered "entirely" in the sense that any article of pertinence to the subject matter of the database is selected.)

300 - Approx. total no. of journal titles reviewed for input

3 % Government reports/documents

3 % Monographs, published proceedings, theses, etc.

34 % Preprints, papers presented at conferences

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, Russian, German, French, Multiple languages

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, England, Canada, Holland, Germany

5. SUBJECT ANALYSIS/INDEXING DATA

Uncontrolled keywords

Avg. no. keywords/document: 5

Controlled terms (from thesaurus)

Avg. no. terms/document: 10

Other subject analysis/indexing data: Treatment Codes

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

6. DATA ELEMENTS PRESENT

Usu. Occ.
 -X-- ---- Item accession number, unique id
 -X-- ---- Author(s)
 -X-- ---- Author address (location and/or affiliation)
 -X-- ---- Editor(s)
 -X-- ---- Editor address (location and/or affiliation)
 -X-- ---- Corporate author(s)
 -X-- ---- Corporate author address (location and/or affiliation)
 -X-- ---- Title of item (original language, translation, transliteration)
 -X-- ---- Title of source item (journal, conference proceedings)
 -X-- ---- Bibliographic reference (volume, issue)
 -X-- ---- Page(s), inclusive or total
 -X-- ---- Date (publication date of item, dates for patents)
 -X-- ---- Publisher
 -X-- ---- Place of publication
 -X-- ---- Cited references by source item: total number
 ---- -X-- Standard bibliographic codes: ISSN
 ---- -X-- Standard bibliographic codes: CODEN
 ---- -X-- Standard bibliographic codes: ISBN
 -X-- ---- Abstract, summary
 (NOTE: Beginning 1978)
 ---- -X-- Patent information
 -X-- ---- Report number
 -X-- ---- Language (of item)
 -X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
 ---- -X-- Treatment code or level of approach (e.g. review, app'n., theory, etc.)
 ---- -X-- Price of item

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; IRS (ESA); LIS

DATABASE PROCESSED FOR BATCH SEARCHING BY: NERAC

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: Toll-free number for search questions - 800/638-8076; Training sessions, contact producer for details.

8. USER AIDS AVAILABLE

- VOCABULARY/TERM LIST, THESAURUS: available
TITLE: (Contained within POLLUTION ABSTRACTS User Guide)
BRIEF DESCRIPTION: Alphabetical listing of controlled vocabulary containing roughly 2000 terms.
AVAILABLE IN (MEDIA): hardcopy
PRICE (US DOLLARS): \$15 alone or as part of Search Five User Guide at \$50
AVAILABLE FROM: producer
- USER MANUAL(S): available
TITLE: POLLUTION ABSTRACTS User Guide
BRIEF DESCRIPTION: Provides journals list, controlled vocabulary, file description and searching hints
AVAILABLE IN (MEDIA): hardcopy
PRICE (US DOLLARS): \$15 alone or as part of Search Five User Guide at \$50
AVAILABLE FROM: producer
- DATABASE TAPE DOCUMENTATION: available
TITLE: Tape Services Reference Manual
BRIEF DESCRIPTION: Describes tape format and data element content and tags
AVAILABLE IN (MEDIA): hardcopy
PRICE (US DOLLARS): available on request
AVAILABLE FROM: producer

9. FEMA INTEREST

Extensive coverage of chemical hazards, toxic wastes, radiation hazards, nuclear power, fire, oilspills and runoff. Also includes substantial information on nuclear warfare, dams and erosion.

Safety Science Abstracts Journal

1. BASIC INFORMATION

NAME OF DATABASE
 ACRONYM/SHORT NAME: SAFETY
 FULL NAME: Safety Science Abstracts Journal
 FREQUENCY OF ISSUING DATABASE UPDATES: bimonthly
 TIME SPAN COVERED BY DATABASE: 1973 to present
 FIRST AVAILABLE IN MACHINE-READABLE FORM: 1978
 CORRESPONDENCE WITH PRINTED SOURCE(S):
 Safety Science Abstracts Journal (database contains same no. of references)
 (NOTE: This is the case for 1978 onwards.)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE
 Cambridge Scientific Abstracts
 CSA
 5161 River Road
 Bethesda
 MD 20816, USA
 TELEPHONE: 800/638-8076
 PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. Mark Bayer
 GENERATOR OF (PHYSICAL) DATABASE
 Cambridge Scientific Abstracts
 (NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:
 COMMERCIALY AVAILABLE: yes
 NUMBER OF TAPES ISSUED PER YEAR: 6
 LEASE (US DOLLARS): \$3000.00/vol./yr; \$3500.00 in 1982
 BACK FILES:
 COMMERCIALY AVAILABLE: yes
 YEARS AVAILABLE: 05/73-present
 NUMBER OF TAPES PER YEAR: 6
 SAMPLE TAPES:
 COMMERCIALY AVAILABLE: yes
 LEASE (US DOLLARS): \$50.00

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Includes the science of safety covering industrial/occupational safety, transportation, aviation and aerospace safety, environmental/ecological safety, medical safety and product liability.
 APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 114,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 13,000
 BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:
 65 % Journal articles
 Of these, 60 % are published in English
 15 % Government reports/documents
 5 % Patents
 Of these, 5 % are U.S.A. patents
 8 % Monographs, published proceedings, theses, etc.
 7 % Preprints, papers presented at conferences
 LANGUAGE(S) OF DATABASE SOURCE MATERIALS: English, Russian, German

5. SUBJECT ANALYSIS/INDEXING DATA

Uncontrolled keywords
 Avg. no. keywords/document: 4
 Subject headings

Avg. no. subject headings/document: 2
 Subject coding/Classification scheme
 Name of scheme: Safety Science Abstracts Journal Classification Scheme
 Short phrases or word strings describing content
 Avg. no. of phrases or strings/document: 4

6. DATA ELEMENTS PRESENT

Usu.	Occ.	
-X--	----	Item accession number, unique id
-X--	----	Author(s)
-X--	----	Author address (location and/or affiliation)
-X--	----	Editor(s)
-X--	----	Editor address (location and/or affiliation)
-X--	----	Corporate author(s)
-X--	----	Corporate author address (location and/or affiliation)
-X--	----	Title of item (original language, translation, transliteration)
-X--	----	Title of source item (journal, conference proceedings)
-X--	----	Bibliographic reference (volume, issue)
-X--	----	Page(s), inclusive or total
-X--	----	Date (publication date of item, dates for patents)
-X--	----	Publisher
-X--	----	Place of publication
-X--	----	Standard bibliographic codes: ISBN
-X--	----	Standard bibliographic codes: other: LC
-X--	----	Abstract, summary
-X--	----	Patent information
-X--	----	Report number
-X--	----	Language (of item)
----	-X--	Price of item

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: SDC

8. USER AIDS AVAILABLE

9. FEMA INTEREST

The only database concerned solely with hazards and safety. Extensive coverage of industrial hazards, radiation hazards, fires and fire prevention, earthquakes. Also includes substantial information on nuclear war, explosives, and natural disasters of all types.

Science Citation Index

1. BASIC INFORMATION

NAME OF DATABASE
 ACRONYM/SHORT NAME: SCI
 FULL NAME: Science Citation Index
 FREQUENCY OF ISSUING DATABASE UPDATES: weekly
 TIME SPAN COVERED BY DATABASE: 1961 to present
 FIRST AVAILABLE IN MACHINE-READABLE FORM: 1961
 RELATED MACHINE-READABLE FILES:
 (NOTE: ISI will insert full journal titles in sources, citation and correction tapes upon request.)
 SCI Source Tape
 SCI Citation Tape
 Correction Tape
 CORRESPONDENCE WITH PRINTED SOURCE(S):
 Science Citation Index, Source, Citation, 1961+ (database contains same no. of references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE
 Institute for Scientific Information
 ISI
 3501 Market St., University City Science Center
 Philadelphia
 PA 19104, USA
 TELEPHONE: 215/386-0100, TELEX: 84-5305
 CABLE ADDRESS: SCINFC
 PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Mr. James Hofstaedter
 DISTRIBUTOR OF DATABASE
 Institute for Scientific Information
 (NOTE: See above for full information.)
 GENERATOR OF (PHYSICAL) DATABASE
 Institute for Scientific Information
 (NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:
 COMMERCIALY AVAILABLE: yes
 NUMBER OF TAPES ISSUED PER YEAR: 52 issues, current year
 RESTRICTIONS: Service outside purchasing organization by contractual agreement.
 Contact ISI for details
 LEASE (US DOLLARS): Source tape: \$10,000.00/yr; Citation tape: \$10,000.00/yr
 LICENSE (US DOLLARS): special arrangements
 BACK FILES:
 COMMERCIALY AVAILABLE: yes
 YEARS AVAILABLE: 52 issues/yr, 1961-present
 RESTRICTIONS: Service outside purchasing organization by contractual agreement.
 Contact ISI for details
 LEASE (US DOLLARS): Source tape: \$10,000.00/yr; citation tape: \$10,000.00/yr
 LICENSE (US DOLLARS): special arrangements
 SAMPLE TAPES:
 COMMERCIALY AVAILABLE: yes

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: International coverage of the prime journals of science - basic and applied, engineering, technology, life sciences, and medicine
 APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 7,200,000
 ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 500,000

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

100 % Journal articles

Of these, 84 % are published in English

(NOTE: Does not reflect coverage of foreign journals many of which are published in English.)

3900 - Approx. total no. of journal titles reviewed for input

(NOTE: ISI concentrates its coverage on the prime and important journals of science. Journal articles constitute the bulk of the coverage but meeting reports covered in journals are indexed, abstract journals such as Federation Proceedings are covered and most proceedings issues are covered.)

LANGUAGE(S) OF DATABASE SOURCE MATERIALS: Multiple Languages

COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: Worldwide

5. SUBJECT ANALYSIS/INDEXING DATA

Other subject analysis/indexing data: Permuted words from titles of source items; citation indexing

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

6. DATA ELEMENTS PRESENT

Usu. Occ.

- X-- ---- Item accession number, unique id
- X-- ---- Author(s)
- X-- ---- Author address (location and/or affiliation)
- X-- ---- Editor(s)
- X-- ---- Editor address (location and/or affiliation)
- X-- ---- Corporate author(s)
- X-- ---- Corporate author address (location and/or affiliation)
- X-- ---- Title of item (original language, translation, transliteration)
- X-- ---- Title of source item (journal, conference proceedings)
- X-- ---- Bibliographic reference (volume, issue)
- X-- ---- Page(s), inclusive or total
- X-- ---- Date (publication date of item, dates for patents)
- X-- ---- Cited references by source item: total number
- X-- ---- Cited references by source item: bibliographic description
- X-- ---- Standard bibliographic codes; other: ISI journal abbreviation
- X-- ---- Patent information
- X-- ---- Language (of item)
- X-- ---- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; DIMDI; LIS; National Library of Australia
 DATABASE PROCESSED FOR BATCH SEARCHING BY: producer; CISTI; COSTI; CSIR; ISU Comp Center;
 MIC (Karolinska); RIT

DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer

(NOTE: Source items available only)

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: weekly current awareness
 service \$150.00/year, minimum, ASCA; selected topics prepared by ISI, weekly current
 awareness service \$125.00/year (domestic), \$150.00/year (foreign), ASCATopics

8. USER AIDS AVAILABLE

TERM FREQUENCY (POSTINGS) LIST: available

TITLE: High Frequency Word List

BRIEF DESCRIPTION: Alphabetical listing of title words occurring more than 100
times per year

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): available on request

USER MANUAL(S): available

TITLE: User's Guide to Online Searching of Scisearch and Social Scisearch, 1 Vol.

BRIEF DESCRIPTION: Describes citation and title word indexing on the DIALOG system,
includes theory of citation and title word indexing

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): no charge

AVAILABLE FROM: producer

40 Science Citation Index (cont'd.)

DATABASE TAPE DOCUMENTATION: available

TITLE: Format Description

BRIEF DESCRIPTION: Describes the tape format and data elements of the SCI tapes

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): available on request

9. FEMA INTEREST

Extensive coverage of chemical hazards, explosives, fires, dams, runoff, earthquakes, volcanoes, and food supply. Also includes substantial information on radiation hazards, and all types of natural disasters.

Smithsonian Science Information Exchange

1. BASIC INFORMATION

NAME OF DATABASE

ACRONYM/SHORT NAME: SSIE
 FULL NAME: Smithsonian Science Information Exchange
 FORMER ACRONYM: SIE
 FORMER NAME: Science Information Exchange
 FORMER ACRONYM: BSIE
 FORMER NAME: Biosciences Information Exchange
 FORMER ACRONYM: MSIE
 FORMER NAME: Medical Sciences Information Exchange
 FREQUENCY OF ISSUING DATABASE UPDATES: monthly (vendors); daily (in-house data base)
 TIME SPAN COVERED BY DATABASE: 2-3 most recent Government fiscal years, in-house; FY 1978 to present on SDC including all versions of each NRP; FY 1978 to present on BRS including all versions of each NRP; FY 1978 to present on Lockheed including latest version only for each NRP.
 FIRST AVAILABLE IN MACHINE-READABLE FORM: 1963
 CORRESPONDENCE WITH PRINTED SOURCE(S):
 Notice of Research Project
 (NOTE: produced in-house) (database contains same no. of references)
 Several Directories of Research in Progress produced under contract for various agencies. (database contains fewer references)

2. PRODUCER/DISTRIBUTOR/GENERATOR INFORMATION

PRODUCER OF DATABASE

Smithsonian Science Information Exchange, Inc.
 SSIE
 Rm. 300
 1730 M. St. N.W.
 Washington
 DC 20036, USA
 TELEPHONE: 202/634-3933, TELEX: 89495
 PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: Dr. Donald A. Elliott

DISTRIBUTOR OF DATABASE

National Technical Information Service
 NTIS
 8001 Forbes Place
 Springfield
 Virginia, USA

PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Mr. Marvin Wilson

GENERATOR OF (PHYSICAL) DATABASE

Smithsonian Science Information Exchange, Inc.
 (NOTE: See above for full information.)

3. AVAILABILITY AND CHARGES FOR ACQUISITION OF DATABASE TAPES (OR OTHER MEDIA)

CURRENT FILES:

COMMERCIALY AVAILABLE: yes
 RESTRICTIONS: Search results are copyrighted and may not be reproduced without prior permission.
 LICENSE (US DOLLARS): special arrangements

BACK FILES:

COMMERCIALY AVAILABLE: yes
 YEARS AVAILABLE: 1975, 1976, 1977, 1978
 LEASE (US DOLLARS): special arrangements

SAMPLE TAPES:

COMMERCIALY AVAILABLE: yes
 LICENSE (US DOLLARS): special arrangements

4. SUBJECT MATTER AND SCOPE OF DATA IN DATABASE

SUBJECT MATTER AND SCOPE: Prepublication descriptions of current research projects sponsored primarily by the Federal government. Also includes descriptions of research supported by major foundations and fund-raising organizations, and some research sponsored by universities, state and local government, industrial and foreign organizations.

APPROX. NUMBER ITEMS IN DATABASE AS OF DECEMBER 1981: 825,000

(NOTE: Approximate number of items in historical data base as of December 1980. In-house: Subject search file, 1964-74 refers to 1,080,700 projects which are available by subject search only, NRP's printed from microfilm. FY75/76/77 files (355,500 projects) are available as complete files and may be accessed in batch mode to produce all of the current SSIE products. As of December 1980 the online services SSIE files contained the following: LIS has 160,700 projects (old projects which have been updated are purged). SDC and BRS have 287,000 (old projects which have been updated are not purged). Approximate number of items in active database as of December 1980 - 355,000 projects (contains FY78,79,80). In 1981, FY78 projects will be moved to historical file and be available in batch mode as are the FY75-77 files. Current in-house database is always the latest 2-3 complete fiscal years of data plus current incoming year records received cumulatively throughout the year.)

ANTICIPATED GROWTH RATE (AVG. NO. OF DATABASE ITEMS ADDED PER YEAR): 115,000

(NOTE: New and updated records)

BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

100 % Other: Notice of research project

5. SUBJECT ANALYSIS/INDEXING DATA

Subject coding/Classification scheme

Name of scheme: SSIE

Avg. no. categories/document: 36-45

Name of scheme: Geographical location of research organization

Avg. no. categories/document: 1

Chemical identifiers (nomenclature codes, notations, fragmentation schemes, etc.):

Chemical name from source of data

IUPAC name

Name fragments

Trade name(s)

6. DATA ELEMENTS PRESENT

Usu. Occ.

-X-- ---- Item accession number, unique id

-X-- ---- Author(s)

-X-- ---- Author address (location and/or affiliation)

-X-- ---- Title of item (original language, translation, transliteration)

-X-- ---- Abstract, summary

-X-- ---- Other data elements

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; LIS; SDC

(NOTE: Search strategy assistance is provided to on-line users of the SSIE data base by SSIE scientists. Contact SSIE for further information.)

DATABASE PROCESSED FOR BATCH SEARCHING BY: producer

OTHER SERVICES RELATED TO DATABASE SEARCHING PROVIDED BY PRODUCER: Search services provided directly to users by SSIE: (1) searches of the current file (2) presearched Research Information Packages (updated every 90 days) available at a savings over the searches of the current file; (3) SDI services, monthly and quarterly; Indexes to the projects in these searches available at a slight additional cost.

(NOTE: Other services include: (1) preparation of directories in all subject areas available on the file of current research information, with specialized indexes to the projects included, (2) special administrative tabulations including statistical aggregations for management use. SSIE also operates databases of current research information which include solicitation, input subject control and specialized custom output products including online files for referral or management use through contract arrangement.)

8. USER AIDS AVAILABLE

VOCABULARY/TERM LIST, THESAURUS: available

TITLE: SSIE Subject Terms and Synonyms: Cross Reference List

BRIEF DESCRIPTION: Alphabetical list of all index terms and selected synonyms and cross references to the hierarchical location in the index; 90,000 terms in all

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): \$50.00

AVAILABLE FROM: producer

TITLE: Guide to SSIE Subject Indexes and Vocabulary

BRIEF DESCRIPTION: Introduction to the SSIE Subject indexing system. Alphabetical listing of 300 major subject areas which are hierarchically arranged with 2 additional levels of indexing

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): \$10.00

AVAILABLE FROM: SDC; producer (LIS version)

DATABASE TAPE DOCUMENTATION: available

TITLE: Interchange Tape Specifications for Tapes

BRIEF DESCRIPTION: Describes data elements and tape specifications

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): no charge

AVAILABLE FROM: producer

OTHER AIDS: available

TITLE: Complimentary Brochures for Off-line Users

BRIEF DESCRIPTION: Varies according to field of user

AVAILABLE IN (MEDIA): hardcopy

PRICE (US DOLLARS): no charge

AVAILABLE FROM: producer

9. FEMA INTEREST

Extensive coverage of research in progress and recently completed research in all areas of interest to FEMA. Especially strong coverage of civil defense and nuclear war, chemical hazards, radiation hazards, terrorism, geologic hazards and construction failures. Also includes substantial information on fires, dams, floods, runoff and food supply.

BIBLIOGRAPHY

Lander, James F., Robert H. Alexander and Thomas E. Downing. Inventory of Natural Hazards Data Resources in the Federal Government. Boulder, CO: NOAA and USGS, 1979.

Scientific and Technical, Spatial, and Bibliographic Data Bases of the U. S. Geological Survey, 1979. USGS, 1979. Geological Survey Circular 817.

Strauch, B. Information Needs of a Pilot Crisis and Emergency Management Information System (CEMIS). McLean, VA: MITRE Corporation, 1980.

University of Colorado, Boulder. Natural Hazards Research and Applications Information Center, Computerized Information Retrieval Services Containing Natural Hazards Literature. Boulder, CO: NHRAIC, 1976.

Williams, Martha E., Laurence Lannom and Carolyn G. Robins. Computer Readable Databases: A Directory and Data Source Book. White Plains, NY: Knowledge Industry Press, Inc., 1982. 1472 pp.

Williams, Martha E. and Scott E. Preece. "Database Selector for Network Use: A Feasibility Study." In Information Management in the 1980s: Proceedings of the 40th Annual Meeting of the American Society for Information Science, 1977. White Plains, NY: Knowledge Industry Publications, Inc., 1977.

Yska, Gerda and John Martyn. Databases Suitable for Users of Environmental Information. London: ASLIB, 1976.

Zunde, Pranas and John M. Gehl. "Fire-Relevant Literature and Its Availability." Information Processing and Management 12 (1976): 53-61.

DISTRIBUTION LIST

Defense Technical Information Center Cameron Station Alexandria, Virginia 22314	- 12 copies
Federal Emergency Management Agency Attn: Assistant Associate Director for Research National Preparedness Programs Directorate Washington, D. C. 20472	- 3 copies
Federal Emergency Management Agency Attn: Cognizant Project Officer Washington, D. C. 20472	- 20 copies
Executive Deputy Director	- 1 copy
Associate Director, Training and Education	- 1 copy
Associate Director, Plans & Preparedness	- 1 copy
Associate Director, State & Local Program Support	- 1 copy
Administrator, U. S. Federal Insurance Agency	- 1 copy
Administrator, U. S. Fire Administration	- 1 copy
Director, Plans, Plans and Preparedness	- 1 copy
Director, Disaster Response and Recovery, State and Local Programs Support	- 1 copy
National Emergency Training Center Library	- 1 copy
SR&D Reports File	- 1 copy
Program Manager	- 10 copies (extra)



Federal Emergency
Management Agency

3/4/83

To: MR Proctor
DTIC

From: Margaret Garner
Office of Research
National Preparedness Program.

We are resubmitting the enclosed report. Several pages in the appendix are not reproducible and we are unable to obtain better copies. The report is written without these pages, therefore we would like to have them in the system.

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
	AD 115404	
4. TITLE (and Subtitle)		5. TYPE OF REPORT & PERIOD COVERED
FEMA DATABASE REQUIREMENTS ASSESSMENT AND RESOURCE DIRECTORY MODEL		Final Report 8/24/81 - 5/15/82
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
Carol Tenopir and Martha E. Williams		FEMA EMW-1-4058
9. PERFORMING ORGANIZATION NAME AND ADDRESS		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
Coordinated Science Laboratory University of Illinois 1101 West Springfield - Urbana, Illinois 61801		Work Unit No. 9231B
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE
Federal Emergency Management Agency 500 C Street, S. W. - Donohoe Building, Room 6S6F Washington, D. C. 20000		May, 1982
		13. NUMBER OF PAGES
		124 pages
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report)
Same as Controlling Office		Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)		
Approved for Public Release: Distribution Unlimited		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
-Emergency Management	-Directory	-Radiation Hazards
-Databases	-Resources	-Nuclear Power Plant Safety
-Online	-National Defense	-Civil Disturbances
-Database Selection	-Chemical Hazards	-Fire (see reverse side)
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)		
Word-oriented databases (bibliographic, textual, directory, etc.) relevant to various units within the Federal Emergency Management Agency are identified and those of most potential relevance are analyzed. Subject profiles reflecting the interests of each major FEMA unit were developed and tested online on fifteen publicly available databases. The databases were then ranked by the number of citations pertinent to all aspects of emergency management and the number of pertinent citations per year of database coverage. Sample citations from the fifteen databases are included. A model Directory of Databases pertinent to emergency management was developed.		

19. KEY WORDS, continued

-Flood

-Natural Disasters

-Man-Made Disasters

-Storms

-Geologic Disasters

FEMA DATABASE REQUIREMENTS ASSESSMENT
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