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

Copy available to DTIC does not permit fully legible reproduction

May, 1982
DISCLAIMER NOTICE

THIS DOCUMENT IS BEST QUALITY PRACTICABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.
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

by
Carol Tenopir
Project Leader

and
Martha E. Williams
Principal Investigator

Information Retrieval Research Laboratory
1101 West Springfield
University of Illinois
Urbana, Illinois 61801

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.
## CONTENTS

FEMA Database Requirements Assessment and Resource Directory Model Final Report

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>1.1.</td>
</tr>
<tr>
<td>1.2</td>
</tr>
<tr>
<td>1.3</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>2.1</td>
</tr>
<tr>
<td>2.2</td>
</tr>
<tr>
<td>2.3</td>
</tr>
<tr>
<td>2.3.1</td>
</tr>
<tr>
<td>2.3.2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3.1</td>
</tr>
<tr>
<td>3.2</td>
</tr>
<tr>
<td>3.3</td>
</tr>
<tr>
<td>3.4</td>
</tr>
<tr>
<td>3.5</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

Appendices 14

Bibliography 123
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 indica-
ting 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 pro-
vides 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:la) 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 of 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
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; liquefaction
   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.

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 cataloged 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.
• 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/ISI 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 Geoastrophysical 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.

- Newssearch: The Daily Index (Newssearch) --
  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.
- 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 Informa-
  tion Center (NIOSHTIC) --
  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, climatography, 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 Database (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, wildlife 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.
• 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 for-
  mat 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 II) --
  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.
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 # la only)

<table>
<thead>
<tr>
<th>DATABASE</th>
<th>Vendor Tested</th>
<th>Number of Potentially Relevant Citations</th>
<th>% of False Drops¹</th>
<th>Number of Relevant Citations (less false drops)</th>
<th>Confidence Interval (at 90% Confidence Level) (for Column E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICOLA</td>
<td>BRS</td>
<td>545</td>
<td>22.06%</td>
<td>425</td>
<td>+ 6.4% (460-390)</td>
</tr>
<tr>
<td>CA SEARCH</td>
<td>BRS</td>
<td>594</td>
<td>5.88%</td>
<td>559</td>
<td>+ 3.7% (581-537)</td>
</tr>
<tr>
<td>COMPENDEX</td>
<td>BRS &amp; DIALOG</td>
<td>2210</td>
<td>16.20%</td>
<td>1852</td>
<td>+ 5.5% (1974-1730)</td>
</tr>
<tr>
<td>DOE Energy</td>
<td>BRS</td>
<td>7480</td>
<td>18.60%</td>
<td>6089</td>
<td>+ 5.7% (6519-5659)</td>
</tr>
<tr>
<td>Envirotapes</td>
<td>BRS</td>
<td>1353</td>
<td>4.48%</td>
<td>1292</td>
<td>+ 3.2% (1335-1249)</td>
</tr>
<tr>
<td>IFO Monthly</td>
<td>BRS</td>
<td>2500</td>
<td>1.60%</td>
<td>2460</td>
<td>+ 2.04% (2500-2410)</td>
</tr>
<tr>
<td>Health Planning and Administration ²</td>
<td>BRS</td>
<td>998</td>
<td>7.58%</td>
<td>922</td>
<td>+ 4.2% (964-880)</td>
</tr>
<tr>
<td>INSPEC</td>
<td>BRS</td>
<td>697</td>
<td>18.57%</td>
<td>568</td>
<td>+ 5.9% (609-526)</td>
</tr>
<tr>
<td>IEDLINE ²</td>
<td>BRS</td>
<td>637</td>
<td>23.81%</td>
<td>485</td>
<td>+ 6.9% (529-441)</td>
</tr>
<tr>
<td>NCJRS</td>
<td>DIALOG</td>
<td>1155</td>
<td>34.80%</td>
<td>753</td>
<td>+ 7.3% (837-669)</td>
</tr>
<tr>
<td>JTIS</td>
<td>BRS</td>
<td>4700</td>
<td>6.36%</td>
<td>4401</td>
<td>+ 3.9% (4584-4218)</td>
</tr>
<tr>
<td>POLLUTION ABSTRACTS</td>
<td>BRS</td>
<td>857</td>
<td>4.60%</td>
<td>818</td>
<td>+ 3.3% (846-789)</td>
</tr>
<tr>
<td>Safety Science Abstracts</td>
<td>Orbit</td>
<td>826</td>
<td>9.70%</td>
<td>746</td>
<td>(examined entire population)</td>
</tr>
<tr>
<td>SciSearch</td>
<td>DIALOG</td>
<td>241</td>
<td>41.00%</td>
<td>142</td>
<td>+ 6.7% (132-152)</td>
</tr>
<tr>
<td>SSIE</td>
<td>BRS</td>
<td>5486</td>
<td>21.30%</td>
<td>4317</td>
<td>+ 6.7% (4685-3950)</td>
</tr>
</tbody>
</table>

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 profil...
### MAJOR FEMA INTEREST AREAS

**AGRICOLA** | **CA SEARCH** | **COMPREHENSIVE INDEX** | **DOE** | **ENVIRONMENTAL TAPES** | **GPO** | **MONTHLY INSPEC** | **NCRRS** | **NTIS** | **Pollution** | **SAFETY** | **SCL SEARCH** | **SSIE** | **Health** | **MEDLINE**
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---
1. General Concepts | 167 | 45 | 564 | 1673 | 188 | 696 | 318 | 482 | 2643 | 87 | 515 | 192 | 1238 |
2. National Defense | | | | | | | | | | | | | | ---
   a. Preparedness | 167 | 45 | 564 | 1673 | 188 | 696 | 318 | 482 | 2643 | 87 | 515 | 192 | 1238 |
   b. Nuclear Threat | 167 | 45 | 564 | 1673 | 188 | 696 | 318 | 482 | 2643 | 87 | 515 | 192 | 1238 |
   TOTAL | 167 | 45 | 564 | 1673 | 188 | 696 | 318 | 482 | 2643 | 87 | 515 | 192 | 1238 |
   % of the Database | .02% | .04% | .12% | .32% | .7% | .6% | .2% | .2% | .2% | .1% | .1% | .02% | .02% | --- | .04% |
3. Chemical Hazards | | | | | | | | | | | | | | ---
   TOTAL | 2733 | 2010 | 128613 | 465 | 16686 | 7686 | 1950 | 2675 | 123564 | 3 | 347 |
   % of the Database | .25% | .3% | 4.2% | 14.6% | 21.8% | .75% | 1.4% | .72% | 5.9% | 9.7% | 2.2% | .11% | 30.3% | --- | .04% |
4. Radiation Hazards | | | | | | | | | | | | | | ---
   a. Radiation | 1253 | 36060 | 13315 | 104979 | 4742 | 1122 | 13450 | 33 | 14334 | 4274 | 1384 | 398 | 3044 |
   b. Decimeters | 2 | 19 | 77 | 64 | 1 | 0 | 106 | 0 | 30 | 3 | 15 | 4 |
   c. Shielding | 11 | 1396 | 1388 | 5179 | 49 | 43 | 2151 | 3 | 1881 | 97 | 148 | 577 | 449 |
   TOTAL | 1265 | 37373 | 14579 | 107890 | 4761 | 1165 | 13761 | 36 | 15870 | 4320 | 1535 | 968 | 30730 | 1820 | 10607 |
   % of the Database | .12% | 1.7% | 2.4% | 12.2% | 5.2% | .92% | 2.3% | .06% | 5.6% | 5.4% | 1.8% | .04% | 7.5% | .92% | 1.2% |
5. Nuclear Power Safety | 62 | 5526 | 4227 | 39785 | 2031 | 1132 | 2806 | 33 | 6500 | 1259 | 645 | 204 | 3644 | 94 | 166 |
   % of the Database | .01% | .25% | .71% | 4.5% | 2.2% | .9% | .38% | .05% | 2.3% | 1.6% | .74% | .01% | .9% | .05% | .02% |
6. Civil Strife | | | | | | | | | | | | | | ---
   a. Riots, terrorism, etc. | 216 | 89 | 118 | 658 | 125 | 143 | 131 | 3720 | 635 | 39 | 79 | 131 | 6022 | 31 | 20 |
   b. Explosives; bombing | 224 | 4680 | 3164 | 11054 | 441 | 246 | 2941 | 814 | 4805 | 489 | 718 | 1520 | 3501 | 88 | 144 |
   c. Panic | N/A | 15 | 32 | 18 | 0 | 9 | 58 | 27 | 6 | 19 | 58 | 30 | --- | --- | --- |
   TOTAL | 440 | 4769 | 3277 | 11744 | 584 | 389 | 3091 | 4592 | 5467 | 534 | 807 | 1709 | 9553 | 119 | 164 |
   % of the Database | .04% | .21% | .55% | 1.3% | .6% | .31% | .41% | .7% | 1.3% | .7% | .93% | .07% | .06% | .02% |
7. Fire | | | | | | | | | | | | | | ---
   a. Fires; arson | 2436 | 8844 | 2535 | 5022 | 406 | 690 | 3485 | 2473 | 2557 | 841 | 3105 | 2029 | 2511 | 43 | 102 |
   b. Combustion | 363 | 12717 | 10607 | 37875 | 1637 | 636 | 2471 | 34 | 9041 | 2292 | 1094 | 1815 | 3795 | N/A | N/A |
   TOTAL | 2763 | 20611 | 12218 | 41769 | 2008 | 1295 | 3357 | 2507 | 11854 | 2496 | 3951 | 3808 | 5948 | 43 | 102 |
   % of the Database | .25% | .92% | 2.1% | 4.7% | 2.2% | 1.0% | .45% | 3.9% | 4.2% | 3.1% | 4.5% | .16% | 1.5% | .02% | .01% |
8. Flood | | | | | | | | | | | | | | ---
   a. Floods, flooding | 2579 | 1266 | 2660 | 4380 | 1481 | 5825 | 691 | 3906 | 317 | 438 | 909 | 2021 | (All Natural Disasters) |
   b. Dams | 2445 | 2216 | 6215 | 14980 | 2000 | 465 | 1767 | N/A | 7639 | 736 | 488 | 1792 | 4661 |
   c. Inundation | 92 | 10 | 50 | 32 | 12 | 65 | 25 | N/A | 63 | 3 | 11 | 23 | 85 |
   TOTAL | 4712 | 3341 | 8133 | 18063 | 3070 | 6229 | 2354 | N/A | 9578 | 1017 | 871 | 2695 | 6383 | 21 | 41 |
### APPENDIX 4 (Cont'd.)

<table>
<thead>
<tr>
<th>MAJOR FEMA INTEREST AREAS</th>
<th>DATABASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. Climatological</td>
<td></td>
</tr>
<tr>
<td>a. Tsunamis; storm waves, etc.</td>
<td>17 152 1138 1699 40 35 1754 N/A 601 10 152 229 1399</td>
</tr>
<tr>
<td>b. Tornadoes, hurricanes, etc.</td>
<td>352 N/A 1488 2974 263 149 1563 N/A 2354 251 324 695 1037</td>
</tr>
<tr>
<td>c. Runoff</td>
<td>2956 5064 6289 8458 4644 305 1777 N/A 4778 2668 566 2285 7062</td>
</tr>
<tr>
<td>d. Cold weather</td>
<td>100 806 260 267 64 17 102 N/A 558 28 80 848 1274</td>
</tr>
<tr>
<td>e. Blizzards, snowstorms, etc.</td>
<td>276 173 273 306 64 50 433 N/A 496 23 139 272 517</td>
</tr>
<tr>
<td>f. Thunderstorms</td>
<td>53 111 856 1237 36 70 1534 N/A 899 7 227 516 597</td>
</tr>
<tr>
<td>g. Drought</td>
<td>1495 324 183 194 530 46 149 N/A 307 39 134 444 2656</td>
</tr>
<tr>
<td>TOTAL</td>
<td>5249 6630 10487 15133 5641 752 7312 N/A 9993 3026 1622 5289 14542 1454 20926</td>
</tr>
<tr>
<td>% of the Database</td>
<td>.48% .3% 1.8% 1.7% 6.1% .6% .98% 3.5% 3.8% 1.9% .23% 3.6% .73% 2.4%</td>
</tr>
<tr>
<td>10. Geologic</td>
<td></td>
</tr>
<tr>
<td>a. Volcanoes</td>
<td>509 4784 852 3413 144 76 1590 N/A 813 89 84 1580 1328 (See under Floods)</td>
</tr>
<tr>
<td>b. Subsidence</td>
<td>93 33 439 1196 124 17 213 N/A 424 27 31 92 510</td>
</tr>
<tr>
<td>c. Erosion</td>
<td>2885 1435 2934 3612 1543 180 1504 N/A 3029 349 234 821 3175</td>
</tr>
<tr>
<td>d. Landslides</td>
<td>267 555 1896 1049 81 29 1628 N/A 836 17 91 543 692</td>
</tr>
<tr>
<td>e. Earthquakes</td>
<td>80 495 4858+ 10019 359 288 5544 N/A 4987 58 1012 3323 3964</td>
</tr>
<tr>
<td>TOTAL</td>
<td>3834 7302 10979+ 19589 2251 590 10579 N/A 10089 540 1452 6359 9669</td>
</tr>
<tr>
<td>% of the Database</td>
<td>.35% .33% 1.8% 2.2% 2.4% .47% 1.4% 3.6% .7% 1.7% .27% 2.4%</td>
</tr>
<tr>
<td>11. Miscellaneous</td>
<td></td>
</tr>
<tr>
<td>a. Oil spills</td>
<td>111 662 629 2541 1678 134 48 2 762 1540 253 142 185 N/A N/A</td>
</tr>
<tr>
<td>b. Famine, plague, etc.</td>
<td>3746 1623 228 385 1232 74 152 106 628 116 523 2075 4515 94 1066</td>
</tr>
<tr>
<td>c. Construction failures</td>
<td>208 663 5860 15771 415 300 2860 800 6224 235 836 183 588 1 N/A</td>
</tr>
<tr>
<td>d. Blackouts</td>
<td>51 205 2757 16995 547 150 2161 231 3089 103 175 79 1620 N/A N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>4116 3153 9474 54389 3872 658 5201 1139 10703 1994 1787 2479 12201 94 1066</td>
</tr>
<tr>
<td>% of the Database</td>
<td>.38% .14% 1.6% 6.2% 4.2% .52% .7% 1.8% 3.8% 2.5% 2.1% .11% 3.0% .05% .12%</td>
</tr>
</tbody>
</table>
### APPENDIX 5

#### NUMBER OF CITATIONS RELEVANT TO FEMA'S GENERAL INTERESTS

(ADJUSTED) (Profile la only)

<table>
<thead>
<tr>
<th>DATABASE</th>
<th>VENDOR TESTED</th>
<th>YEARS TESTED ONLINE</th>
<th>MONTHS ONLINE</th>
<th>CITATIONS ADDED EACH YEAR</th>
<th>TOTAL CITATIONS IN DATABASE</th>
<th>RELEVANT CITATIONS PER YEAR OF GENERAL INTERESTS</th>
<th>% OF DATABASES RELEVANT TO GENERAL INTERESTS²</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICOLA</td>
<td>BRS</td>
<td>1975-/Feb 1982</td>
<td>86</td>
<td>132,000</td>
<td>1,095,730</td>
<td>59</td>
<td>.04%</td>
</tr>
<tr>
<td>CA SEARCH</td>
<td>BRS</td>
<td>1977- (3)/ Jan 1982</td>
<td>61</td>
<td>400,000</td>
<td>2,229,828</td>
<td>110</td>
<td>.03%</td>
</tr>
<tr>
<td>COMPENDEX</td>
<td>DIALOG</td>
<td>1976-/Feb 1982</td>
<td>74</td>
<td>43,000</td>
<td>596,543</td>
<td>300</td>
<td>.30%</td>
</tr>
<tr>
<td>OE Energy</td>
<td>BRS</td>
<td>1974-/Feb 1982</td>
<td>98</td>
<td>45,500</td>
<td>883,364</td>
<td>746</td>
<td>.70%</td>
</tr>
<tr>
<td>invirotapes</td>
<td>BRS</td>
<td>1971-/March 1982</td>
<td>135</td>
<td>7,150</td>
<td>92,095</td>
<td>115</td>
<td>1.40%</td>
</tr>
<tr>
<td>PO Monthly</td>
<td>BRS</td>
<td>July 1976-/Oct 1981</td>
<td>64</td>
<td>16,800</td>
<td>126,208</td>
<td>461</td>
<td>1.95%</td>
</tr>
<tr>
<td>Health Planning and Administration</td>
<td>BRS</td>
<td>1974-/March 1982</td>
<td>99</td>
<td>22,500</td>
<td>198,360</td>
<td>112</td>
<td>.50%</td>
</tr>
<tr>
<td>NSPEC</td>
<td>BRS</td>
<td>1977-/Feb 1982</td>
<td>62</td>
<td>174,000</td>
<td>745,972</td>
<td>110</td>
<td>.008%</td>
</tr>
<tr>
<td>MEDLINE</td>
<td>BRS</td>
<td>1979- (4)/ April 1982</td>
<td>28</td>
<td>202,000</td>
<td>857,026</td>
<td>208</td>
<td>.06%</td>
</tr>
<tr>
<td>CJRS</td>
<td>DIALOG</td>
<td>1972-/Jan 1982</td>
<td>121</td>
<td>12,000</td>
<td>65,000</td>
<td>75</td>
<td>1.20%</td>
</tr>
<tr>
<td>TIS</td>
<td>BRS</td>
<td>1975-/March 1982</td>
<td>87</td>
<td>50,000</td>
<td>281,583</td>
<td>607</td>
<td>1.60%</td>
</tr>
<tr>
<td>Pollution abstracts</td>
<td>BRS</td>
<td>1970-/Dec 1981</td>
<td>144</td>
<td>2,700</td>
<td>79,627</td>
<td>68</td>
<td>1.00%</td>
</tr>
<tr>
<td>Safety Science abstracts</td>
<td>Orbit</td>
<td>June 1975-/April 1981</td>
<td>67</td>
<td>13,200</td>
<td>87,000 Approx.</td>
<td>134</td>
<td>.90%</td>
</tr>
<tr>
<td>sciSearch</td>
<td>DIALOG</td>
<td>1978- (5)/ Jan 1982</td>
<td>25</td>
<td>500,000</td>
<td>2,346,288</td>
<td>68</td>
<td>.03%</td>
</tr>
<tr>
<td>SIE</td>
<td>BRS</td>
<td>1977-/Feb 1982</td>
<td>62</td>
<td>96,000</td>
<td>408,208</td>
<td>836</td>
<td>1.10%</td>
</tr>
</tbody>
</table>

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

²Indexing policy causes some variance in this figure.

¹1967-1976 are also available online via DIALOG.

²1966-1978 are also available online via DIALOG.

⁵1974-1977 are also available online via DIALOG.
## APPENDIX 6
### FEMA RELATED SPECIFIC CITATIONS PER YEAR OF COVERAGE

<table>
<thead>
<tr>
<th>MAJOR FEMA INTEREST AREAS</th>
<th>Database</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agriculture Search</td>
</tr>
<tr>
<td>1. General Concepts</td>
<td>- For analysis see Appendix 5 -</td>
</tr>
<tr>
<td></td>
<td>b. Nuclear Threat</td>
</tr>
<tr>
<td>TOTAL</td>
<td>35</td>
</tr>
<tr>
<td>% of the citations added each year</td>
<td>.03%</td>
</tr>
<tr>
<td>3. Chemical Hazards</td>
<td>381</td>
</tr>
<tr>
<td>% of the citations added each year</td>
<td>.29%</td>
</tr>
<tr>
<td></td>
<td>b. Decimeters</td>
</tr>
<tr>
<td></td>
<td>c. Shielding</td>
</tr>
<tr>
<td>TOTAL</td>
<td>177</td>
</tr>
<tr>
<td>% of the citations added each year</td>
<td>.13%</td>
</tr>
<tr>
<td>5. Nuclear Power Safety</td>
<td>9</td>
</tr>
<tr>
<td>% of the citations added each year</td>
<td>---</td>
</tr>
<tr>
<td>6. Civil Strife</td>
<td>a. Riots, terrorism, etc.</td>
</tr>
<tr>
<td></td>
<td>b. Explosives; bombing</td>
</tr>
<tr>
<td></td>
<td>c. Panic</td>
</tr>
<tr>
<td>TOTAL</td>
<td>61</td>
</tr>
<tr>
<td>% of the citations added each year</td>
<td>.05%</td>
</tr>
<tr>
<td>7. Fire</td>
<td>a. Fires; arson</td>
</tr>
<tr>
<td></td>
<td>b. Combustion</td>
</tr>
<tr>
<td>TOTAL</td>
<td>386</td>
</tr>
<tr>
<td>% of the citations added each year</td>
<td>.3%</td>
</tr>
<tr>
<td>MAJOR FEMA INTEREST AREAS</td>
<td>DATABASE</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
</tr>
<tr>
<td><strong>8. Flood</strong></td>
<td></td>
</tr>
<tr>
<td>a. Floods, flooding</td>
<td>360</td>
</tr>
<tr>
<td>b. Dams</td>
<td>341</td>
</tr>
<tr>
<td>c. Inundation</td>
<td>13</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>660</td>
</tr>
<tr>
<td>% of the citations added</td>
<td>.5%</td>
</tr>
<tr>
<td>each year</td>
<td></td>
</tr>
<tr>
<td><strong>9. Climatological</strong></td>
<td></td>
</tr>
<tr>
<td>a. Tsunami; storm waves,</td>
<td>7</td>
</tr>
<tr>
<td>etc.</td>
<td></td>
</tr>
<tr>
<td>b. Tornadoes, hurricanes,</td>
<td>49</td>
</tr>
<tr>
<td>etc.</td>
<td></td>
</tr>
<tr>
<td>c. Runoff</td>
<td>412</td>
</tr>
<tr>
<td>d. Cold weather</td>
<td>14</td>
</tr>
<tr>
<td>e. Blizzards, snowstorms,</td>
<td>39</td>
</tr>
<tr>
<td>etc.</td>
<td></td>
</tr>
<tr>
<td>f. Thunderstorms</td>
<td>7</td>
</tr>
<tr>
<td>g. Drought</td>
<td>209</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>732</td>
</tr>
<tr>
<td>% of the citations added</td>
<td>.55%</td>
</tr>
<tr>
<td>each year</td>
<td></td>
</tr>
<tr>
<td><strong>10. Geologic</strong></td>
<td></td>
</tr>
<tr>
<td>a. Volcanos</td>
<td>71</td>
</tr>
<tr>
<td>b. Subsidence</td>
<td>13</td>
</tr>
<tr>
<td>c. Erosion</td>
<td>403</td>
</tr>
<tr>
<td>d. Landslides</td>
<td>37</td>
</tr>
<tr>
<td>e. Earthquakes</td>
<td>11</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>535</td>
</tr>
<tr>
<td>% of the citations added</td>
<td>.41%</td>
</tr>
<tr>
<td>each year</td>
<td></td>
</tr>
<tr>
<td><strong>11. Miscellaneous</strong></td>
<td></td>
</tr>
<tr>
<td>a. Oil spills</td>
<td>15</td>
</tr>
<tr>
<td>b. Famine, plague, etc.</td>
<td>523</td>
</tr>
<tr>
<td>c. Construction failures</td>
<td>29</td>
</tr>
<tr>
<td>d. Blackouts</td>
<td>7</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>574</td>
</tr>
<tr>
<td>% of the citations added</td>
<td>.44%</td>
</tr>
<tr>
<td>each year</td>
<td></td>
</tr>
</tbody>
</table>
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

AN 814-63832.
AU Sills, David L.
TI The Three Mile Island nuclear accident: lessons and implications.
map, 23 cm.
CN 500 N484 v. 365.
IN 1 0TH.
R 31.
LG en.
PT m.
C 1980.

AN 82069049.
AU Linn, R.
TI Smoke and heat detectors Home management: fire safety devices.
CN 275.29 M76C1.
IN 1 EXT MT.
YR 79.
LG en.
P a.
CC 1000.

AN 82053936.
AU Buijendijk, J. van.
TI Flood control: a modern systematic and global approach. 1.
MEDECO. 1981. (45). p. 3-7; ill.
C 1 TC1. L31.
G 0TH.
YR 81.
LG en.
P a.
C 8000.

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 restored.

Issue in the provision of food aid following disasters.

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

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: catastrophic and long-term continuing disasters. For each affects 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, the extent of their effect on food production and distribution systems and of the types available to meet the affected populations need results with accurate food aid and its precise impact on a developing country. Details of food aid for the types of disasters and the impact of that food aid are essential.
AN CA046-02651.
AU STRING-4-3, PELQUIN-R-A.
IN BATTRELL 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 D. K. DE.
CO DZKOEP.
PT T.
RN PN-363+. INJ. NTI.
AV INJ. NTI.
P6 126 PP.
CC CA17010. 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. RADIOISOTOPES: BIOLOGICAL-STUDIES.

AN CA060-006213.
AU PUSCHING-G-A.
IN ZAPROZHI. MED. INST. ZAPROZHI. USSR.
TI VARIANCE ANALYSIS AS A METHOD FOR STUDYING THE EFFECT OF MULTIPLE FACTORS ON THE SICKNESS RATE OF CHEMICAL INDUSTRY WORKERS.
YA L0.
LG 1.
CO 0.
PT J.
CC CA067003. CA059.
DE HEALTH-HAZARD SILICONES PROD. RESPIRATORY DISEASE SILICONES PROD. DERMATITIS SILICONES PROD. VARIANCE ANALYSIS CHEM SICKNESS. SAFETY CHEM INDUSTRY WORKERS.
ST DERMATITIS. HEALTH-HAZARD. RESPIRATORY-TRACT. SILICONES-AND-SILICONES: PREPARATION.

AN CA060-12059.
AU PENBERG-. WILLIAMS-G-M.
IN FROZ. LAB. UNITED KINGDOM AT. ENERGY AUTH. OXFORDSHIRE. ENG.
TI LANDFILL SITE SELECTION AND OPERATION FOR MUNICIPAL AND HAZARDOUS WASTE DISPOSAL.
YA 1.
LG 1.
CO 1.
PT J.
CC CA060-15. CA060.
DE MUNICIPAL REFUSE LANDFILL DESIGN MANAGEMENT. HAZARDOUS WASTE DISPOSAL LANDFILL MANAGEMENT.
ST WASTE-HAZARDOUS. WASTE-SOLID. LANDFILL. WASTE-SOLID: MUNICIPAL-REFUSE.
IS ALC.-08-52.
METHOD TO EVALUATE ELECTROSTATIC HAZARDS IN BULK POWDER HANDLING OPERATIONS.

Dahn, James C.
Sof Consult Eng Inc

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

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, 62, 471, 442, 443

PRACTICES AND PROBLEMS IN FLOOD PLAIN MANAGEMENT.

Tucker, L. Scott

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
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; intrusions; 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.

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 higher 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 current study and seismic data from before and during the eruption were analyzed. Consequences of seismic and volcanic activity such as severe ground displacements, tsunami run-ups, and oil spills on offshore and onshore structures, and in connection with petroleum development. Ash falls, volcanic heat, and loose rock avalanches, mudflows and fast-moving clouds from active volcanoes are also factors. This study will provide revised input parameters toward decisions where to put their structures and what design criteria to use.
Envirotapes

AN 65-04-603.
IN CANADA ENV PROTECTION SERVICE; OTTAWA.
TD INCENDIARY DEVICE FOR OIL SPILL IGNITION.
TO SPILL TECHNOLOGY NEWSLETTER; MAR-APR 65; V6; N2; PAG 1 (9).
PR TECHNICAL FEATURE.
AV AVAILABLE.
HJ CONTROLLED-BURNING; OIL-SPILL-CLEANUP; ARCTIC-WATERS;
MARINE-POLLUTION-EQUIPMENT.
HJ PRODUCT-SAFETY.
CC OCEANS AND ESTUARIES (12).
AB THE DESIGN AND DEVELOPMENT OF TWO INCENDIARY DEVICES INTENDED TO BE
DROPPED FROM AIRCRAFT TO IGNITE CONTAINED OIL SPILLS ON ARCTIC WATERS;
FOOLS AND OTHER REMOTE WATER SURFACES ARE DESCRIBED. FIELD TEST
RESULTS OF THESE INCENDIARY DEVICES ARE SURVEYED. THE CANISTER NOSE-
AND SANDWICH CONFIGURATION ARE DISCUSSED. (3 PHOTOS, 3 REFERENCES; 1
TABLE).

AN 71-2032.
IN LANCASHER HALL.
TD IN LOS ANGELES AREA; HILLSIDE DWELLERS P Sap; MULTIPLE-UNIT UNIT;
1500 WALL STREET JUN 2; 81; P1.
PT NEWS FEATURE.

IN RAINFALL; CALIFORNIA; HOUSING; LANDSLIDE;
REGULATIONS-ENV-STATE-LOCAL;
LIABILITY-ENV-STATE-LOCAL.
CC LAND USE AND COAST (62).
AB DESPITE THE RISKS OF WIDESPREAD BRUSH FIRES; MULTIPLE-UNIT;
SCENIC; Qualcomm development in Llano; sparks and brush
CONTAINED AT A EARLY STAGE. THE DAMAGE OUT OF THE COMPANY
AT MILLIONS. THE TOTAL DAMAGE IN 1981 COULD BE $1 BILLION.
THE MUNICIPAL GOVERNMENT HAS TAKEN EXTREME PRECAUTIONS;
INCLUDING REJANDING REPORTS FROM GEOLOGISTS ON OIL INHIBITION.
PUBLIC SUPERVISION OF OIL COMBUSTION TECHNOLOGY.

AN 68-03.
IN 20801 H-L.
PRP.
AB DECISION MAKING WITHOUT PANIC.
AB PREPAREDNESS AND EMERGENCY PREPAREDNESS EXECUTIVE COURSE JAN 13-
APR 10-13; 30 HRS (9).

AN 61.
IN BULLET REPORT.

IN EMERGENCY PLANNING; INCIDENT-TACTICAL PLANNING; INCIDENT COMMAND;
HOSPITAL MANAGEMENT; HEALTH EMERGENCY.
PR INTER-STATE CO-OPERATION.
IN EMERGENCY PLANNING AND INCIDENT-TACTICAL PLANNING;
EMERGENCY MANAGEMENT; EMERGENCY COMMAND; EMERGENCY MANAGEMENT
PR INTER-STATE CO-OPERATION.
IN EMERGENCY PLANNING AND INCIDENT-TACTICAL PLANNING;
EMERGENCY MANAGEMENT; EMERGENCY COMMAND; EMERGENCY MANAGEMENT
PR INTER-STATE CO-OPERATION.
GPO Monthly

of the consequences that could affect the surviving population of a nuclear war. June 19, 1980.
Health Planning and Administration
Health Planning and Administration

1. The following known deaths were caused by the landslide and "ash" cloud of the May 18 eruption of Mount St. Helens and as of 30 May: 12.

2. The majority of these deaths resulted from inhalation and the effects of ash on the cardiorespiratory system. Hospital surveillance data showed increased hospital admissions due to respiratory symptoms in the weeks following the eruption on May 18 and June 20.
A system 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 system 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, 1978. 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 issue 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 effective for any earthquake.

AS106646, A9130, A9130P.

A S Herring, D. A.

IN SHOW ROLLERS.

AS WEATHER (CB). VOL. 36, NO. 1, 16-19, 0.

IN WTHRAL.

IN HY.

IN BR.

IN SHOW, ICE.

IN TRUGG MOUNTAINS, CYPRUS, SHOW ROLLERS, ICE, STORM.

An account is presented of the 'show roller' phenomena observed during a highly exceptional showstorm that occurred in the eastern Mediterranean in March 1939. 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 center. A mechanism is suggested that can explain the formation of the rollers. All the stones disclosed by the action in a showstorm are found under a ice-covered area and do form the show roller.
In March 1979 there was an explosion in a colliery 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.
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-51637)

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
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).
ABSTRACT: Lithography is used in the safety aspects of the design and operation of ports and harbors, including deepwater terminals. The introduction includes part access and approach: currents, tides, and circulation: navigation: anchorage: and in-port safety. The report includes 247 citations fully indexed and including a title list.
A METHOD FOR TESTING THE TOXICITY OF CHEMICALS TO HUMANS AND ANIMALS WITH THE USE OF SHORT-TERM SCREENING TESTS. THIS TECHNIQUE IS CALLED THE LETHALITY TEST, IN WHICH VARIOUS CHEMICALS ARE EXPOSED TO CELLS IN CULTURE AND THEIR EFFECTS ON THE CELLS ARE MONITORED.

The lethal dose (LD) is determined by exposing the cells to different concentrations of the chemical and observing the percentage of cells surviving. The LD is the concentration at which a certain percentage of cells are killed.

The LD50 is the concentration of the chemical that causes death in 50% of the exposed population. This value is used to determine the toxicity of a chemical.

The LD100 is the concentration of the chemical that causes death in 100% of the exposed population. This value is used to determine the lethal effect of a chemical.

The LD0 is the concentration of the chemical that causes death in all exposed cells. This value is used to determine the maximum lethal effect of a chemical.

The LD50 and LD100 values are used to compare the toxicity of different chemicals. The lower the LD50 and LD100 values, the more toxic the chemical.

The LD0 value is used to determine the maximum lethal effect of a chemical. The lower the LD0 value, the more lethal the chemical.

The LD50, LD100, and LD0 values are used to determine the toxicity of a chemical and to develop safe standards for exposure to these chemicals.
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 defects, death during first postnatal week), occurrence of death in live-born children through an average life expectancy of 17 years, frequency of chilren with sex chromosome abnormalities and frequency of children with mutation resulting in an electromorphotic 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 calculations, an estimate of contribution that spontaneous mutation in the preceding generation makes to the indicators in question is applicable to the possible levels of radiation for the first three indicators.
Unified System for Multipurpose Radio Warning to the General Public

This paper describes a system which makes it possible for broadcasting stations, whether federal or commercial, to trigger (demute) and de-trigger (remote) 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.

Health and the Environment

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.

Emergency Care in Natural Disasters: Views of an International Seminar

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.
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

0680378 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 SOCIO/COLUMBUS//OH/4-
3210
JOURNAL OF HAZARDOUS MATERIALS , V3, N1, P77-90, 1979
AN NSF 1079
AU RISTEINNATT-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 FORKES AVE. PITTSBURGH PENNSYLVANIA 15213 USA.
NO 00199109 E-1-31s-G.
DA 7909 TO 8009.
FD 00051375
DE (1) APPLIED-ELECTRONICS, (2) EARTH-SCIENCES.
(1) ELECTRONIC-SYSTEM-APPLIED, (2) ELECTRICAL-AND-ELECTRONIC.
(3) EMERGENCY-COMMUNICATION, (3) WIRE-COMMUNICATION-SYSTEM, (4) ADAPTIVE SYSTEMS.
AB THE OBJECTIVE OF THIS EFFORT IS TO QUANTITATIVELY COMPARE THE
EXISTING EMERGENCY WIRE COMMUNICATION SYSTEM WITH AN ADAPTIVE SYSTEM
DESIGN. THE NEW SYSTEM USING A SIGNAL HAVING AN IDEAL
AUTOCORRELATION WITH A LARGE TV PRODUCT SHOULD ALL END RANGE
AND THE ABILITY TO DISCRIMINATE BETWEEN TRANSMITTERS. THE TWO
SYSTEMS WILL BE COMPARED BOTH THEORETICALLY AND IN THE LABORATORY.
AN EFS 2431-1
AU WEINER-A-P, OR
IN BATTELLE MEMORIAL INST DEPT. OF BIOLOGY P.O. BOX 999 RICHLAND;
WASHINGTON 99352 USA.
TI HEALTH EFFECTS OF MOUNT ST HELEN'S VOLCANIC
SN U.S. DEPT. OF HEALTH & HUMAN SERVICES PUBLIC HEALTH SERVICE;
NATIONAL INST. OF HEALTH NATIONAL INST. OF ENVIRONMENTAL HEALTH
SCIENCES; BETHESDA MARYLAND 20014 USA.
NO 010-P3-0231-01.
DA 8104 TO 8205.
FD 00075652
DE (1) RESEARCH-SELECTED-TOPICS, (2) STANDARDS-SPECIFICATIONS.
(1) B0-ENVIRONMENTAL-PARAMETERS, (2) UNSPECIFIED-ENVIRONMENTS.
(3) POLLUTION, (4) VOLCANIC-FALLOUT, (5) RADIOACTIVITY.
(6) TIME-RESPONSE-MECHANISMS, (7) RADIATION, (8) SUBSTANCES.
(2) ELEMENTS-THERMAL-CHANGE, (4) CARBON DIOXIDE, (3) GASES.
(3) QUARTZ, (4) ANIMALS, (2) ROGERS, (7) KURTIES.
(4) RADIO-LABORATORY-USE-ONLY, (1) AIR-POLLUTION, (2) TYPES-OF-POLLUTANTS.
(3) GASES, (4) VOLCANIC-Ash, (5) INSTRUMENT-TECHNIQUES, (6) NUCLEAR-TECHNIQUES.
(7) NUCLEAR-ACTIVATION-ANALYSIS.
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 AIR FORCE AND FEDERAL AUTHORITIES
SUBSTANTIALLY IN ASSESSING THE HEALTH HAZARDS OF CONTINUOUS EXPOSURE TO
VOLCANIC ASH. TO THE SIMULATION EXPERIMENT HAYE WILL BE EXPOSED TO
VOLCANIC ASH (SO TO 6 MICROGRAMS) AND DIRECTLY TO AIRBORNE VOLCANIC
POSITIVE CONTROLS FOR UP TO 24 MONTHS TO INVESTIGATE THE PHYLOGENIC
(3) COMMUNICATION-SYSTEM) PROPERTIES OF THE ASH AS A FUNCTION IN RELATION
CONCENTRATION AND EXPOSURE TIME COMPARED WITH SHAM-EXPOSED CONTROLS.
THE MEDICAL EXAMINATION AND CLEANUP STUDY WILL ENSURE A CLEAN
RE-RELATION TO JUSTICE CONTROLS INIZING A CONTINUOUS LEVEL OF THE VOLCANIC ASH.
GASES, CLEANUP-CLEARANCE RATES AND TIME OF CONTINUOUS EXPOSURE
WITH MEANINGFUL ISOLATING THE EFFECTS OF THE ASH RELATIVE TO OTHERS CONTAMINANTS, INCLUDING ENVIRONMENTAL.
VARIATIONAL COMPARISON IN RELEATION TO THE ASH WILL BE CONTINUED. AS A
MEDICAL EXAMINATION WITH THE COMMISSION AT THE NATIONAL RADIATION
ENVIRONMENTal PROTECTION CENTER (NIEHS).
<table>
<thead>
<tr>
<th>Rank</th>
<th>Rank</th>
<th>Total Number of Citations of General Interest to FEMA</th>
<th>Number of Citations of General Interest to FEMA per Year of Coverage</th>
<th>Number of Subjects Covered Substantially</th>
<th>Percent of the Database of General Interest to FEMA</th>
<th>Number of Subjects Representing Substantive Percent of Database</th>
<th>Overall Ranking Based on Cumulative Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DOE</td>
<td>SSIE</td>
<td>NTIS</td>
<td>GPO</td>
<td>NTIS</td>
<td>DOE</td>
<td>DOE</td>
</tr>
<tr>
<td>2</td>
<td>NTIS</td>
<td>DOE</td>
<td>SSIE</td>
<td>NTIS</td>
<td>DOE</td>
<td>NTIS</td>
<td>NTIS</td>
</tr>
<tr>
<td>3</td>
<td>SSIE</td>
<td>NTIS</td>
<td>DOE</td>
<td>Envirotapes</td>
<td>SSIE</td>
<td>SSIE</td>
<td>Envirotapes</td>
</tr>
<tr>
<td>4</td>
<td>GPO</td>
<td>GPO</td>
<td>Compendex</td>
<td>NCJRS</td>
<td>Safety</td>
<td>Envirotapes</td>
<td>GPO</td>
</tr>
<tr>
<td>5</td>
<td>Compendex</td>
<td>Compendex</td>
<td>INSPEC</td>
<td>SSIE</td>
<td>Envirotapes</td>
<td>GPO</td>
<td>Envirotapes</td>
</tr>
<tr>
<td>6</td>
<td>Envirotapes</td>
<td>MEDLINE</td>
<td>CA Search</td>
<td>Pollution</td>
<td>Pollution</td>
<td>Compendex</td>
<td>Envirotapes</td>
</tr>
<tr>
<td>7</td>
<td>Health</td>
<td>Safety</td>
<td>SciSearch</td>
<td>Safety</td>
<td>Compendex</td>
<td>Safety</td>
<td>Safety</td>
</tr>
<tr>
<td>8</td>
<td>Pollution</td>
<td>Envirotapes</td>
<td>Envirotapes</td>
<td>DOE</td>
<td>INSPEC</td>
<td>Pollution</td>
<td>Pollution</td>
</tr>
<tr>
<td>9</td>
<td>NCJRS</td>
<td>Health</td>
<td>Safety</td>
<td>Health</td>
<td>NCJRS</td>
<td>NCJRS</td>
<td>NCJRS</td>
</tr>
<tr>
<td>10</td>
<td>Safety</td>
<td>INSPEC</td>
<td>Pollution</td>
<td>Compendex</td>
<td>CA Search</td>
<td>INSPEC</td>
<td>INSPEC</td>
</tr>
<tr>
<td>11</td>
<td>INSPEC</td>
<td>CA Search</td>
<td>Agricola</td>
<td>MEDLINE</td>
<td>GPO</td>
<td>CA Search</td>
<td>INSPEC</td>
</tr>
<tr>
<td>12</td>
<td>CA Search</td>
<td>NCJRS</td>
<td>GPO</td>
<td>Agricola</td>
<td>MEDLINE</td>
<td>Health</td>
<td>Agricola</td>
</tr>
<tr>
<td>13</td>
<td>MEDLINE</td>
<td>Pollution</td>
<td>NCJRS</td>
<td>CA Search</td>
<td>SciSearch</td>
<td>MEDLINE</td>
<td>SciSearch</td>
</tr>
<tr>
<td>14</td>
<td>Agricola</td>
<td>SciSearch</td>
<td>MEDLINE</td>
<td>SciSearch</td>
<td>Agricola</td>
<td>SciSearch</td>
<td>Agricola</td>
</tr>
<tr>
<td>15</td>
<td>SciSearch</td>
<td>Agricola</td>
<td>Health</td>
<td>INSPEC</td>
<td>Health</td>
<td>Agricola</td>
<td>Agricola</td>
</tr>
</tbody>
</table>
## APPENDIX 9

### 15 DATABASES RANKED FOR MAJOR FEMA INTEREST AREAS

<table>
<thead>
<tr>
<th>RANK</th>
<th>NATIONAL DEFENSE</th>
<th>CHEMICAL HAZARDS</th>
<th>RADIATION</th>
<th>NUCLEAR POWER</th>
<th>CIVIL STRIFE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOTAL CIT</td>
<td>CIT/YR</td>
<td>TOTAL CIT</td>
<td>CIT/YR</td>
<td>TOTAL CIT</td>
</tr>
<tr>
<td>1</td>
<td>DOE</td>
<td>DOE</td>
<td>DOE</td>
<td>SSIE</td>
<td>DOE</td>
</tr>
<tr>
<td>2</td>
<td>NTIS</td>
<td>NTIS</td>
<td>SSIE</td>
<td>DOE</td>
<td>CA Search</td>
</tr>
<tr>
<td>3</td>
<td>SSIE</td>
<td>CA Search</td>
<td>CA Search</td>
<td>SSIE</td>
<td>SSIE</td>
</tr>
<tr>
<td>4</td>
<td>Safety</td>
<td>Compendex</td>
<td>Compendex</td>
<td>INSPEC</td>
<td>MEDLINE</td>
</tr>
<tr>
<td>5</td>
<td>CA Search</td>
<td>SciSearch</td>
<td>Envirotapes</td>
<td>NTIS</td>
<td>NTIS</td>
</tr>
<tr>
<td>6</td>
<td>GPO</td>
<td>CA Search</td>
<td>NTIS</td>
<td>INSPEC</td>
<td>Compendex</td>
</tr>
<tr>
<td>7</td>
<td>INSPEC</td>
<td>Safety</td>
<td>INSPEC</td>
<td>Envirotapes</td>
<td>MEDLINE</td>
</tr>
<tr>
<td>8</td>
<td>Compendex</td>
<td>GPO</td>
<td>Pollution</td>
<td>SciSearch</td>
<td>Envirotapes</td>
</tr>
<tr>
<td>9</td>
<td>MEDLINE</td>
<td>INSPEC</td>
<td>Agricola</td>
<td>Pollution</td>
<td>Pollution</td>
</tr>
<tr>
<td>10</td>
<td>Pollution</td>
<td>Compendex</td>
<td>SciSearch</td>
<td>Agricola</td>
<td>Health</td>
</tr>
<tr>
<td>11</td>
<td>Envirotapes</td>
<td>Pollution</td>
<td>Safety</td>
<td>Safety</td>
<td>Safety</td>
</tr>
<tr>
<td>12</td>
<td>NCJRS</td>
<td>NCJRS</td>
<td>GPO</td>
<td>Agricola</td>
<td>Health</td>
</tr>
<tr>
<td>13</td>
<td>SciSearch</td>
<td>Envirotapes</td>
<td>NCJRS</td>
<td>MEDLINE</td>
<td>GPO</td>
</tr>
<tr>
<td>14</td>
<td>Health</td>
<td>Agricola</td>
<td>MEDLINE</td>
<td>NCJRS</td>
<td>SciSearch</td>
</tr>
<tr>
<td>15</td>
<td>Agricola</td>
<td>Health</td>
<td>Health</td>
<td>Health</td>
<td>NCJRS</td>
</tr>
<tr>
<td>RANK</td>
<td>FIRE</td>
<td>FLOOD</td>
<td>CLIMATOLOGICAL</td>
<td>GEOLOGIC</td>
<td>MISCELLANEOUS</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-------</td>
<td>----------------</td>
<td>---------</td>
<td>---------------</td>
</tr>
<tr>
<td></td>
<td>TOTAL CIT</td>
<td>CIT/yr</td>
<td>TOTAL CIT</td>
<td>CIT/yr</td>
<td>TOTAL CIT</td>
</tr>
<tr>
<td>1</td>
<td>DOE</td>
<td>DOE</td>
<td>DOE</td>
<td>MEDLINE</td>
<td>MEDLINE</td>
</tr>
<tr>
<td>2</td>
<td>CA Search</td>
<td>CA Search</td>
<td>NTIS</td>
<td>NTIS</td>
<td>DOE</td>
</tr>
<tr>
<td>3</td>
<td>Compendex</td>
<td>Compendex</td>
<td>Compendex</td>
<td>Compendex</td>
<td>SSIE</td>
</tr>
<tr>
<td>4</td>
<td>NTIS</td>
<td>SciSearch</td>
<td>SSIE</td>
<td>SciSearch</td>
<td>Compendex</td>
</tr>
<tr>
<td>5</td>
<td>SSIE</td>
<td>NTIS</td>
<td>GPO</td>
<td>SSIE</td>
<td>NTIS</td>
</tr>
<tr>
<td>6</td>
<td>Safety</td>
<td>SSIE</td>
<td>Agricola</td>
<td>GPO</td>
<td>INSPEC</td>
</tr>
<tr>
<td>7</td>
<td>SciSearch</td>
<td>Safety</td>
<td>CA Search</td>
<td>Agricola</td>
<td>CA Search</td>
</tr>
<tr>
<td>8</td>
<td>INSPEC</td>
<td>INSPEC</td>
<td>Envirotapes</td>
<td>CA Search</td>
<td>Envirotapes</td>
</tr>
<tr>
<td>10</td>
<td>NCJRS</td>
<td>NCJRS</td>
<td>INSPEC</td>
<td>Envirotapes</td>
<td>Agricola</td>
</tr>
<tr>
<td>11</td>
<td>Pollution</td>
<td>GPO</td>
<td>Pollution</td>
<td>Safety</td>
<td>Pollution</td>
</tr>
<tr>
<td>12</td>
<td>Envirotapes</td>
<td>Pollution</td>
<td>Safety</td>
<td>Pollution</td>
<td>Safety</td>
</tr>
<tr>
<td>13</td>
<td>GPO</td>
<td>Envirotapes</td>
<td>MEDLINE</td>
<td>MEDLINE</td>
<td>Health</td>
</tr>
<tr>
<td>14</td>
<td>MEDLINE</td>
<td>MEDLINE</td>
<td>Health</td>
<td>Health</td>
<td>GPO</td>
</tr>
<tr>
<td>15</td>
<td>Health</td>
<td>Health</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
APPENDIX 10

MODEL DIRECTORY OF WORD-ORIENTED DATABASES OF INTEREST TO FEMA
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:
COMMERCIAL 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): 984.00/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 bibliographi codes: ISBN
----- -X-- Abstract, summary
----- X-- Patent information
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 Tecnologia, 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

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

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

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.
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. or 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 1260/1280
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. Deroulede (for residents of
France)
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 on-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, 50 % 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: 23 keyword phrases each with an average of 4 keywords
Controlled terms (from thesaurus)
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, transiteration)
-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 Morform, 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; IRG (ESA), JICST; LIS; National Library of Australia; Pergamon-Infoline; SDC, Telesystems-QUESTEL

(DATE: 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; CCNACYT (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; Magy Gyoyszzeri-építészeti (Hungary); Meric Information Center; NERAC; National Center of Scientific and Technological Information (Israel); RIT, Royal Library of Belgium; South African Council for
8. USER AIDS AVAILABLE

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

DATABASE TAPE DOCUMENTATION: available
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 and 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 indices. 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
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.
El
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.
(NO: See above for full information.

GENERATOR OF (PHYSICAL) DATABASE
Engineering Information, Inc.
(NO: 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: $4000.00; 1977: $4500.00; 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.
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.

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

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

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

(COUNTRY OF PUBLICATION OF DATABASE SOURCE MATERIALS: USA, worldwide)

5. SUBJECT ANALYSIS/INDEXING DATA

Uncontrolled keywords

Avg. no. keywords/document: 1.5

Subject headings

Avg. no. subject headings/document: 2.6 (0.07 for subheadings)

Subject coding/Classification scheme

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

Avg. no. categories/document: 2.1

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, trans literation)
+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 materials)

---- +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)
7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY:  BRS; CISTI (Canada); DATA-STAR; FIZ-4; INKA; IRIS (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

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

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.
1. BASIC INFORMATION

NAME OF DATABASE
ACRONYM/SHORT NAME: EDB
(FULL NAME: DOE Energy Data Base
(Note: Since January, 1976 EDB has included INIS and since July, 1976 EDB has incorporated NSA which was discontinued as a separate database.)

FREQUENCY OF ISSUING DATABASE UPDATES: semimonthly
TIME SPAN COVERED BY DATABASE: 1880 to present
(Not: 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)
Atomin dex (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: 703/487-4908
PERSON TO CONTACT RE DISTRIBUTION OF DATABASE: Mr. Marvin Wilson
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): 2500

BACK FILES:
- COMMERCIALY AVAILABLE: yes
- YEARS AVAILABLE: 1974-present
- PURCHASE (US DOLLARS): 2500

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
- Avg. no. subject headings/document: 3
  (NOTE: Subject headings may be constructed of indexer paired descriptors (keywords), e.g., coal/combustion.)

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

- 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
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
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.
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:
COMMERCIALLY AVAILABLE: yes
NUMBER OF TAPES ISSUED PER YEAR: 10 tapes/year (May-June and Nov.-Dec. combined)
LEASE (US DOLLARS): special arrangements

BACK FILES:
COMMERCIALLY AVAILABLE: yes
YEARS AVAILABLE: 1971-present, 11 tapes/yr
LEASE (US DOLLARS): special arrangements

SAMPLE TAPES:
COMMERCIALLY 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): 8,750
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
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)
-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)

7. DATABASE SERVICES OFFERED

DATABASE PROCESSED FOR ONLINE SEARCHING BY: BRS; DOE/RECON; IRS (ESA); LIS; SDC
DOCUMENT DELIVERY, REPROGRAPHIC SERVICES AVAILABLE FROM: producer

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 database
AVAILABLE IN (MEDIA): hardcopy
PRICE (US DOLLARS): available with lease of tapes
AVAILABLE FROM: producer

DATABASE TAPE DOCUMENTATION:
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
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.
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-- ---- Pages, 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 20205, 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:
  COMMERCIALLY AVAILABLE: no
  NUMBER OF TAPES ISSUED PER YEAR: 12
  LICENSE (US DOLLARS): $2,000

BACK FILES:
  COMMERCIALLY AVAILABLE: no
  SAMPLE TAPES:
    COMMERCIALLY 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: 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
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.
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) 53831
TELEX: 825962 IEE G
PERSON TO CONTACT RE INFORMATION ABOUT DATABASE: J. Pache, P. Ashton, R. Turner

DISTRIBUTOR OF DATABASE
Institution of Electrical Engineers
N O T E : 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
N O T E : For residents of North America and South America.

GENERATOR OF (PHYSICAL) DATABASE
Institution of Electrical Engineers
N O T E : See above for full information.

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

CURRENT FILES:
COMMERCIAL AVAILABILITY: 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:
COMMERCIAL AVAILABILITY: yes
YEARS AVAILABLE: 1969 - present
NUMBER OF TAPES PER YEAR: 24
1970-72: $3,120.00/yr.; 1968: $2,080.00
OTHER FEES CHARGED BY PRODUCER (ONLINE) (US DOLLARS): special arrangements by contract
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, app., 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); LIG; 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
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): $11.75
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 20205, 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 ELEMENT'S PRESENT

Usu. Occ.
-X- ----- item accession number, unique id
-X- ----- Author(s)
  (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
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.
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:
    COMMERCIAL Availability: yes
    NUMBER OF TAPES ISSUED PER YEAR: 12

BACK FILES:
    COMMERCIAL Availability: yes
    YEARS AVAILABLE: 1972-present
    NUMBER OF TAPES PER YEAR: 12

SAMPLE TAPES:
    COMMERCIAL Availability: 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 database 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 database. 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.
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&D 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

Usn. Gcc.

-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

3. 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
DDC Retrieval and Indexing Terminology (DRIT) Vols. I-II

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 II includes a hierarchical index of generic and specific terms

Available in (Media): hardcopy
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 1 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): $6.00
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
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 DDC Descriptors, June 1966
BRIEF DESCRIPTION: A basic alphabetical thesaurus which contains a hierarchical and rotated display of descriptors
AVAILABLE IN (MEDIA): hardcopy
PRICE (US DOLLARS): $8.95
PRICE (US DOLLARS): unavailable
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

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

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

31
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-S452
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): 9500
BIBLIOGRAPHIC DATABASE ITEMS CAN BE APPROXIMATED AS:

- 60% Journal articles
  - Of these, 90% are published in English
  - 100% of 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

- Item accession number, unique id
- Author(s)
- Author address (location and/or affiliation)
- Editor(s)
- Editor address (location and/or affiliation)
- Corporate author(s)
- Corporate author address (location and/or affiliation)
- Title of item (original language, translation, transliteration)
- Title of source item (journal, conference proceedings)
- Bibliographic reference (volume, issue)
- Page(s), inclusive or total
- Date (publication date of item, dates for patents)
- Publisher
- Place of publication
- Cited references by source item: total number
- Standard bibliographic codes: ISSN
- Standard bibliographic codes: CODEN
- Standard bibliographic codes: ISBN
- Abstract, summary
  - (NOTE: Beginning 1978)
- Patent information
- Report number
- Language (of item)
- Indication of type of item (e.g. jnl. art., mono., govt. doc., etc.)
- Treatment code or level of approach (e.g. review, app'n., theory, etc.)
- 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 - 800/639-8076; 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, tire, 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
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. or 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: SCINFO

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:
COMMERCIAL AVAILABILITY: 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:
COMMERCIAL AVAILABILITY: 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:
COMMERCIAL AVAILABILITY: 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
APPROXIMATE NUMBER OF DATABASE ITEMS 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: Permutated 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

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

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

BACK FILES:
COMMERCIALLY AVAILABLE: yes
LEASE (US DOLLARS): special arrangements

SAMPLE TAPES:
COMMERCIALLY AVAILABLE: yes
LICENSE (US DOLLARS): special arrangements
42 Smithsonian Science Information Exchange (cont'd.)

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 FY76,78,80). 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


DISTRIBUTION LIST

Defense Technical Information Center - 12 copies
Cameron Station
Alexandria, Virginia  22314

Federal Emergency Management Agency - 3 copies
Attn: Assistant Associate Director for Research
National Preparedness Programs Directorate
Washington, D. C.  20472

Federal Emergency Management Agency - 20 copies
Attn: Cognizant Project Officer
Washington, D. C.  20472

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)
To: Mr. Proctor
DTIC

From: Margaret Garner
Office of Research
National Preparedness Program

We are resubmitting the enclosed report. Several pages in the appendices are not reproducible and we are unable to obtain better copies. The report is written without these pages, therefore we cannot cite them in the system.
Title: FEMA Database Requirements Assessment and Resource Directory Model

Type of Report & Period Covered: Final Report 8/24/81 - 5/15/82

Author(s): Carol Tenopir and Martha E. Williams

Performing Organization Name & Address:
Coordinated Science Laboratory
University of Illinois
1101 West Springfield - Urbana, Illinois 61801

Contrary Office Name and Address:
Federal Emergency Management Agency
500 C Street, S. W. - Donohoe Building, Room 6S6F
Washington, D. C. 20000

Report Date: May, 1982

Number of Pages: 124 pages

Distribution Statement: Approved for Public Release: Distribution Unlimited

Security Classification: Unclassified

Abstract: 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
**Word-oriented databases** relevant to various units within FEMA 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 15 publicly available databases which were 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 15 databases are included. A model Directory of Databases pertinent to emergency management was developed.