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Transportation Technical Environmental Information Center Index

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TRANSPORTATION TECHNICAL ENVIRONMENTAL
INFORMATION CENTER INDEX

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ABSTRACT

In an effort to determine the environmental intensities to which energy materials in transit may be exposed, a "Data Center" of technical environmental information has been established by Sandia Laboratories, Division 5522, for the DOE Division of Environmental Control Technology. This document is an index which can be used to request data of interest.

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TRANSPORTATION TECHNICAL ENVIRONMENTAL INFORMATION CENTER INDEX

Introduction

The purpose of the Transportation Technical Environmental Information Center is to collect, analyze, store, and make available descriptions of the environment of transportation expressed in engineering terms. The data stored in the Center are expected to be useful in a variety of transportation related analyses. Formulations of environmental criteria for shipment of cargo, risk assessments, and detailed structural analyses of shipping containers are examples where these data have been applied. The Transportation Technical Environmental Information Center is a segment of a larger DOE/DOD Environmental Data Center for weapons application.

For purposes of indexing and data retrieval, the data are catalogued under two major headings: Normal and Abnormal Environments. The diagram below illustrates a conceptual relationship between these environmental designations as a function of the expected rate of occurrence.

Normal environments are those which will be encountered at some intensity during every shipment. They have a high frequency of occurrence, but a relatively low intensity. The abnormal or accident environments, on the other hand, are characterized by higher intensities but lower frequency of occurrence. The very high intensities of environment occur very infrequently. The abnormal environments, while often called by different names to differentiate them, have actually the same engineering parameters as the normal. Thus, an acceleration is experienced by cargo as a truck crosses railroad tracks at 50 mph. A greater acceleration may result if the truck strikes a bridge abutment at the same speed. To make the difference clear in a succinct manner, the latter is termed, "impact." These short descriptions are shown in the index in parentheses where they apply.

The Environments

Twelve environmental categories have been identified as relevant to transportation. These include:

1. Acceleration/Time [*]	7. Pressure [*]
2. Acoustic Noise	8. Radiation [*]
3. Atmospheric Contents	9. Shock [*]
4. Fragmentation [*]	10. Temperature [*]
5. Humidity	11. Vibration
6. Precipitation	12. Wind [*]

Three factors operate to limit the number of these environments for which abnormal levels require consideration:

1. Some environments reach an absolute limit regularly and are totally contained within a normal range;
2. The abnormal aspects of some environments are encountered so infrequently as to be of little interest; and
3. Protection against the effects of some normal environments include protection against the abnormal

After eliminating those environmental categories covered by the above factors only the environments indicated by an asterisk in the above list are of interest in the abnormal considerations. Figure 1 is a chart which illustrates the organization of data in the Center by categories and by additional nomenclature which differentiates between input and response phenomena. Input may be defined as the environmental level which exists at the cargo interface, while response is measured in terms of how the cargo reacts to the environments. As an example consider the pressure environment, which has both normal and abnormal levels. The normal, which all cargo will experience, includes the variations in atmospheric pressure at a specific location, as well as the variations produced by changes in elevation, both on the earth's surface and while flying. The abnormal aspects of the pressure environment are the result of exposure to an explosion or to immersion (inputs); if the input pressure is sufficiently high, a crush (collapse) response of the cargo will result.

Four of the environments are considered only in the normal aspects for reasons mentioned above. One environment, fragmentation, is considered only in the abnormal aspect. This is because no elements which will cause puncture to the cargo are present under normal conditions, i. e., those which will be encountered frequently during transportation.

^{*}Environments with both normal and abnormal aspects.

Figure 1. Structure of the Transportation Technical Environmental Information Center

The Data

Normal environmental data stored in the Transportation Technical Environmental Information Center are measured data. They were obtained from reliable sources, both within Sandia Laboratories and from other reputable agencies. When data were required, but not available, the Data Center operators arranged for measurements to provide some of the information.

Most input data in the Data Center under the heading of Abnormal Environments, however, were not measured directly. Because of the number and randomness of occurrence and type, it is impossible to provide engineering instrumentation for measurement. If an instrumented vehicle is subjected to a staged accident, it represents only the one type of event. Therefore, it is necessary to use statistical techniques to characterize the range of environmental intensities which may be experienced by cargo in accidents. The data to which these techniques are applied are often estimated. The basic information which is most useful in estimating abnormal inputs includes the following.

<u>Abnormal Input</u>	<u>Useful Data Parameters</u>
1. Earthquake	Time History
2. Impact	Vehicle Velocity
3. Explosion	Pressure or Missile Velocity, Radius of Missile Travel
4. Projectile/Impalement	Package Velocity, Radius of Probe
5. Immersion	Depth
6. Lightning	Voltage, Amperage, Rise Time, etc
7. Fire	Temperature, Heat Flux and Duration
8. Windstorm	Velocity, Pressure Differential

It is these types of data, or information which permit the derivation of those values, which are stored in the input section of the Abnormal Environment part of the Transportation Technical Environmental Information Center. The response section of the Center is expressed in terms of damage to cargo. Since the cargo damage can be described and measured, measurements and descriptions are included wherever possible.

Mechanics of the Data Center

The data which have been retrieved and entered in the Data Center are on microfilm. Two forms of microfilm are used: aperture cards and microfiche. Facilities for viewing the data and obtaining hard copy are located at the Center site. When processing large requests for information, the Center's operators have access to automated means for obtaining hard copy.

The two-part number listed after the title of a particular Data Center entry is the access number for the data file. The first number, e.g., 1614, is the file number. The number after the dash (-) is the number of file cards available on the subject. Requests for hard copies of data should cite these two numbers. For large data requests, it is faster and cheaper for the data center operators to transmit the data to the requestor in the form of duplicate microfilm aperture cards or duplicate microfiche. If the requestor has facilities for reading information in these formats, it should be so stated in the request.

When either raw data or published information is acquired, it is reviewed for engineering data content. Pertinent information is then extracted, collated, and microfilmed. The data cards and/or microfiche are filed in numerical order without regard to subject. This simple technique is possible because of a computerized indexing and retrieval program which was developed for efficient use of the Data Center.

The use of a computer-aided system makes it possible to obtain a more flexible file, permits more complete data retrieval, shortens the time necessary for search, and makes feasible more frequent publication of a current index.

Data Sources

Normal environmental information for inclusion in the Data Center is acquired by the Data Center's operators from many sources. Military agencies, such as Aberdeen Proving Ground, Wright Air Development Center, Naval Ordnance Test Center, and Army QM R&E Center, and industrial groups, such as railroads, aircraft companies, and trucking concerns, have contributed information. A considerable portion of the information has been obtained from various project groups within Sandia Laboratories. The Data Center's operators not only extract information from published sources, but engage in specific research activities to obtain data not otherwise available.

Abnormal environmental information is obtained primarily from U. S. Department of Transportation sources and reports produced by the National Transportation Safety Board. Contacts have been established with various individuals and agencies responsible for accident investigation in the various modes of transportation. An information sources file is maintained as an adjunct to the Center which integrates this Data Center's efforts with other Data Banks collecting related accident information such as accident rates, fatalities, etc.

Availability of the Data

The information in the Data Center is available, within the limits of time, workload, and security regulations, to any requestor. Requests for data should be sent to Division 5523, Sandia Laboratories, Albuquerque, New Mexico, 87185. The request should either outline the specific area for which information is desired, or it should list specific entries, including serial numbers. Requests will be processed as time allows. Agencies outside of the DOE complex will be furnished information subject to the review and release procedures established by the DOE.

The Index

The index provided on the following pages is what the Center's operators call a category index. Entry is made into this index by finding the environmental category of interest, such as shock, temperature, vibration, etc. The 12 categories are listed alphabetically.

Normal Environments

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.....ACOUSTIC NOISE.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

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SHOCK SPECTRA,SERIES 500 ATMX CAR, LONGITUDINAL AXIS	01211-061
SHOCK SPECTRA,SERIES 500 ATMX CAR, VERTICAL AXIS	01212-053
SHOCK SPECTRA,SERIES 500 ATMX CAR, LATERAL AXIS	01213-016
SHOCK SPECTRA,SERIES 600 ATMX CAR, ALL AXES	01214-035
SHOCK SPECTRA,HAMMEN CAR,SIX-ATMX CAR TRAIN	01216-098
SHOCK SPECTRA,1ST STRUCK CAR,SIX-ATMX CAR TRAIN	01217-028
SHOCK SPECTRA,2ND STRUCK CAR, SIX-ATMX CAR TRAIN	01218-015
SHOCK SPECTRA,3RD STRUCK CAR, SIX-ATMX CAR TRAIN	01219-065
SHOCK SPECTRA,4TH STRUCK CAR,SIX-ATMX CAR TRAIN	01220-015
SHOCK SPECTRA,5TH STRUCK CAR, SIX-ATMX CAR TRAIN	01221-015
SHOCK/VIBRATION SUMMARY,UNION CARBIDE RAIL TEST	01315-007
SHOCK DATA,UNION CARBIDE RAIL TEST	01317-033

.....SHOCK.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

SWITCHING SHOCK, CUSHION UNDERFRAME BOXCAR C1326-C55
 PERFORMANCE FREIGHT-CAR TRKS THROUGH ROAD TESTING C2105-C05
 TRAIN RUN-IN AND RUN-OUT FORCE ANALYSIS ENSCO REPORT C2111-C13

.....SHOCK.....RESPONSE.....TRANSPORTATION.....OTHER.....

SHOCK + VIBRATION DATA OBTAINED FROM TRUCK + PAIR SHIPMENT C1003-C06

.....SHOCK.....RESPONSE.....UTILIZATION.....RAILROAD.....

DYNAMIC MEASUREMENT OF TRACK-INDUCED RAILCAR WHEEL ACC C2016-006

(IMPACT)SHOCK.....INPUT.....GENERAL.....OTHER.....

APPROXIMATE DURATION OF SOME SHORT ACCELERATION LOADS C0734-001

(IMPACT)SHOCK.....INPUT.....HANDLING.....OTHER.....

MAXIMUM DROPS, PACKAGES IN TRANSIT C1608-004

(IMPACT)SHOCK.....RESPONSE.....HANDLING.....OTHER.....

MAXIMUM DROPS, PACKAGES IN TRANSIT C1608-004

.....TEMPERATURE.....INPUT.....GENERAL.....AIRCRAFT AND MISSILE..

SPACE SHUTTLE ORBITER VIBROACOUSTICS C2061-023

.....TEMPERATURE.....INPUT.....GENERAL.....OTHER.....

TEMPERATURE REGIME FOR DESERT REGIONS C0006-002
 TEMPERATURES, 1°-99° DESIGN, FOR UNITED STATES AND CANADA C0018-C02
 ENVIRONMENT CONDITIONS PREVAILING DURING TRANSIT C0078-001
 TEMPERATURE, EXTREMES/DURATION, FOR STORAGE, HANDLING, TRANSPORT C0080-002
 TEMPERATURE EXTREMES IN TRANSIT C0084-001
 RADIATION, MEAN DAILY TOTAL, FLAT SURFACE, LOCATIONS, US/CANADA C0495-004
 TEMPERATURE, MEAN DATE OF FIRST 32 DEG F IN AUTUMN US C2171-001
 TEMPERATURE, MEAN DATE OF LAST 32 DEG F IN SPRING US C2172-001
 TEMPERATURE, MEAN MONTHLY NO. OF DAYS 32 F AND BELOW US C2173-001
 TEMPERATURE, MEAN LENGTH OF FREEZE-FREE PERIOD-DAYS US C2174-001

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

TEMPERATURES, CARGO COMPARTMENT, C119C AIRCRAFT, ALASKA, INTER C0061-001
 TEMPERATURES, AIRCRAFT COMPARTMENT C0062-001
 TEMPERATURES, MAXIMUM/MINIMUM, IN AIR AND AIRCRAFT CARGO HOLDS C0064-001
 TEMPERATURES, COMPARTMENT, C141A C0066-001
 FREQUENCY OF OCCURENCE OF AIRCRAFT ICING PARAMETERS C1069-002
 TEMP/TIME DATA AIRCRAFT, TRUCK, TRAIN, ATMX C1208-004

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

TEMPERATURE/TIME DATA, TRUCK (SEE 1288) 01309-004
TEMPERATURE, TRUCK CARGO, HIGH AND LOW 01327-027

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....RAILROAD.....

TEMPERATURE, INTERNAL AIR, RAILROAD BOXCAR IN DESERT 00056-001
TEMPERATURE TESTS, INTERNAL, RAILROAD FREIGHT CARS WINTER 00057-001
TEMPERATURE/TIME DATA, RAIL AND ATMX CARS (SEE 1288) 01310-004
TEMPERATURE, HIGH, STANDING BOXCARS 01401-020

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....SHIP.....

TEMPERATURES AND RELATIVE HUMIDITY, SHIP HOLD 00058-001
TEMPERATURES, MAXIMUM AND MINIMUM, AT SEA 00059-001
HUMIDITY, RELATIVE, ABOARD SHIP 00232-001
TEMPERATURE IN SHIPS HOLDS 01262-003

.....TEMPERATURE.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

TEMP/TIME DATA AIRCRAFT, TRUCK, TRAIN, ATMX 01288-004

.....TEMPERATURE.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TEMPERATURE/TIME DATA, TRUCK (SEE 1288) 01309-004
TEMPERATURE, TRUCK CARGO, HIGH AND LOW 01327-027

.....TEMPERATURE.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

TEMPERATURE/TIME DATA, RAIL AND ATMX CARS (SEE 1288) 01310-004

.....VIBRATION.....INPUT.....GENERAL.....AIRCRAFT.....

VIBRATION OF HELICOPTERS (ISOLATION AND ABSORBERS) 02117-005

.....VIBRATION.....INPUT.....GENERAL.....AIRCRAFT AND MISSILE..

SPACE SHUTTLE CREITER VIBROACOUSTICS 02061-023

.....VIBRATION.....INPUT.....GENERAL.....RAILROAD.....

PARAMETRIC STUDIES RR FRT CAR MATH MODEL HARMONIC ROLL 01980-005
RIDE QUALITY OF A CONTAINER FLAT CAR 01982-006

.....VIBRATION.....INPUT.....HANDLING.....OTHER.....

SUMMARY, DYNAMIC ENVIRONMENT, FORKLIFT TRUCKS 01744-031
SHOCK, VIBRATION, 2000 LB FORKLIFT TRUCK (SEE 1744) 01745-046
VIBRATION, INPUT/RESPONSE, 3000 LB FORKLIFT (SEE 1744) 01748-075
VIBRATION, INPUT/RESPONSE, 4000 LB FORKLIFT (SEE 1744) 01751-061
SHOCK, VIBRATION, 7000 LB FORKLIFT TRUCK (SEE 1744) 01752-041

.....VIBRATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

DYNAMIC ENVIRONMENT, TURBOJET CARGO AIRCRAFT	A1553-002
VIBRATION, MOST PROBABLE EXTREME, PROPELLER DRIVEN AIRCRAFT	E0420-001
VIBRATION DATA, AIRCRAFT	00424-001
VIBRATIONS, MAXIMUM LATERAL AND VERTICAL, HELICOPTER FLOOR	00433-001
VIBRATION, KC-135 FLOOR, VERTICAL, LATERAL, LONGITUDINAL	00446-001
VIBRATION, FLOOR, PROPELLER, JET, HELICOPTER AIRCRAFT	00447-001
VIBRATION, H-37 HELICOPTER FLOOR, VERTICAL, LATERAL FORE/AFT	00448-001
VIBRATION, C-125 FLOOR, LONGITUDINAL, VERTICAL, LATERAL AXES	00451-001
VIBRATION, C-130 FLOOR, VERTICAL, LATERAL, LONGITUDINAL AXES	00452-001
RESPONSE OF TURBOJET/PISTON ENGINE A/C TO RUNWAY ROUGHNESS	00410-006
VIBRATION, AIR-RIDE VAN AND C-130, C-133 AIRCRAFT	01148-009
VIBRATION NC135 AFT PASSENGER COMPARTMENT	01318-010
VIBRATION SUMMARY, HELICOPTER, MH43, UH1, CH4, CH46, CH47	01321-009
VIBRATION, CARGO FLOOR, UH-1 HELICOPTER	01322-007
VIBRATION, CARGO FLOOR, OH-6 HELICOPTER	01323-007
VIBRATION, CARGO FLOOR, CH-46 HELICOPTER	01324-043
VIBRATION, CARGO FLOOR, CH-47 HELICOPTER	01325-031
VIBRATION, C130A, C130B CARGO FLOOR	01356-001
VIBRATION C130, C133 TAKE OFF AND CRUISE	01357-001
VIBRATION, CSA CARGO FLOOR - SUMMARY- SEE 1440 TO 1444	01439-029
VIBRATION, CSA CARGO FLOOR, STANDARD VIBRAN (SEE 1439)	01440-025
VIBRATION, CSA CARGO FLOOR, FORMAT 2 VIBRAN, (SEE 1439)	01441-030
VIBRATION, CSA CARGO FLOOR, PSD (SEE 1439)	01442-088
VIBRATION, CSA CARGO FLOOR, PSD, (SEE 1439)	01443-095
DYNAMIC ENVIRONMENT, C141 JET CARGO AIRCRAFT - FIRST FLIGHT	01534-024
DYNAMIC ENVIRONMENT, C141 JET CARGO AIRCRAFT - SECOND FLIGHT	01535-032
DYNAMIC ENVIRONMENT, CSA JET CARGO AIRCRAFT	01536-096
VIBRATION OF A LARGE TRANSPORT HELICOPTER (CH-53A)	02074-005

.....VIBRATION.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

VAIL SUMMARY, TRUCK SHIPMENT OF 56,000 LB CASK SEE 2063	A2064-004
VAIL SUMMARY, TRUCK SHIPMENT 44,000 LB CASK SEE 2067	A2068-004
TRUCK SHOCK/VIB ENV, LARGE SHIPPING CONTAINER SEE 2071	A2072-001
SHOCK/VIB ENV LARGE SHIPPING CONTAINER BY TRUCK PART 1	A2164-010
SHOCK/VIB ENV LARGE SHIPPING CONTAINER BY TRUCK PART 2	A2165-016
VIBRATION, PROBABLE MAXIMUM, TRUCK, TRAILER, TRACKED VEHICLE	B0367-002
VIBRATION SUMMARY, STANDARD FREIGHT TRAILER R204028	B1998-069
VIBRATION-ACCELERATIONS IN HIGHWAY OPERATION OF TRUCKS	00370-001
VIBRATION IN ROAD VEHICLES	00374-001
VIBRATION, MAXIMUM, ON TRUCKBED, VARIETY OF ROAD OPERATIONS	00377-001
VIBRATION, MAXIMUM ACCELERATION IN CARGO TRUCK	00379-001
VIBRATION DATA, TYPICAL, VAN TRAILER, NORMAL SUSPENSION	00377-001
VIBRATION, FLAT-BED TRACTOR-TRAILER	00401-001
VIBRATION, TRUCK FLOOR, EMPTY AND FULLY LOADED	00449-001
DYNAMIC ENVIRONMENT ON A FLAT BED TRACTOR/TRAILER (AEC/DOD)	C1006-008
FINAL ANALYSIS, AEC/DOD FLATBED TRUCK TEST	C1003-041
VIBRATION ENVIRONMENT, AEC VAN WITH TRANSIT RIG SHIPPING CONT	C1245-061
VIBRATION/SHOCK, 2 1/2 TON TRUCK	C1264-008

.....VIBRATION.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

VIBRATION/SHOCK AIR SUSPENSION VAN	01277-006
SHOCK/VIBRATION SUMMARY, UNION CARBIDE TRUCK TEST	01312-007
VIBRATION DATA, UNION CARBIDE TRUCK TEST	01313-045
VIBRATION, TRUCK, TANDEM AXLE, AIR BAG SUSPENSION	01361-001
VIBRATION IN COMMON MOTOR CARRIERS	01742-007
TRACTOR/TRAILER TRANSPORT, 3 TYPES SUSPENSION SYSTEM	01968-005
VIBRATION, SPECTRAL DENSITY, STANDARD FREIGHT TRAILER	01997-235
CONCEPTS FOR NOISE REDUCTION IN TRACKED VEHICLES	02050-040
PSD STANDARD FREIGHT TRAILER RE-REDUCTION ALSO SEE 1997	02052-007
VIBRAN/PSD, TRUCK SHIPMENT OF 50,000 LB CASK SEE 2064	02063-113
VIBRAN/PSD, TRUCK SHIPMENT OF 44,000 LB CASK SEE 2066	02067-069

.....VIBRATION.....INPUT.....TRANSPORTATION.....RAILROAD.....

RAILCAR SHOCK/VIB ENV, LARGE SHIPPING CONTAINER	A2071-018
SHOCK/VIBRATION ENVIRONMENT SUMMARY, RAIL TRANSPORT	B1320-011
RAIL SUMMARY, ATMX RAIL CAR TEST R200403 SEE EDB 2079	B2080-019
VIBRATION, RAIL TRANSPORT, SUMMARY OF DATA ON	00355-001
VIBRATION DATA, RAIL	00357-001
VIBRATION TESTS, RAILROAD, SPEED 40MPH	00358-001
VIBRATION TESTS, RAILROAD, SPEED 73MPH	00359-001
VIBRATION TESTS, RAILROAD, SPEED 80MPH	00360-001
VIBRATIONS IN RAILROAD FREIGHT CARS AT SPEEDS FROM 31-73MPH	00362-001
VIBRATIONS MEASURED ON ATMX 500 CAR AT SPEEDS 30-70MPH	00363-001
VIBRATION ENVIRONMENT PRODUCED DURING RAIL TRANSPORT	00366-001
VIBRATION, RAILROAD, SOFT SPRUNG CAR, VERTICAL AND LATERAL	00850-001
VIBRATION, RAILROAD CONTINUOUS AND TRANSIENT	01031-001
VIBRATION, RAILROAD ENVELOPES DIRECTIONAL COMPOSITES	01032-001
SHOCK/VIBRATION SUMMARY, UNION CARBIDE RAIL TEST	01315-007
VIBRATION DATA, UNION CARBIDE RAIL TEST	01316-065
VIBRATION, RAIL BOX CAR W/EMPTY, HALF AND FULL LOAD	01328-084
VIBRAN/PSD, ATMX RAIL CAR TEST R300483	02079-031

.....VIBRATION.....INPUT.....TRANSPORTATION.....SHIP.....

VIBRATION, MOST EXTREME PROBABLE, EXPECTED IN SEA TRANSPORT	B0404-001
VIBRATION MEASUREMENTS ON SHIPBOARD DURING TRANSPORT	00202-001
VIBRATION DATA, SHIPS	00405-001
VIBRATION DATA, SHIPS IN STRAIGHT RUNS AT VARIOUS SPEEDS	00407-001
VIBRATION, SHIPBOARD, NORMAL STEAMING AND HARD TURNS	00408-001
VIBRATION DATA, SHIPS, HIGH SPEED MANEUVER AND CRASH BACK	00409-001
VIBRATIONS, SHIPBOARD, FROM VARIOUS SOURCES	00415-001
VIBRATIONS, MERCHANT SHIP SS WOLVERINE STATE	00418-025

.....VIBRATION.....INPUT.....TRANSPORTATION.....OTHER.....

SUMMARY, DYNAMIC ENVIRONMENT OF TRANSPORTATION - 1973	A1354-018
VIBRATION SUMMARIES OF EDB1354 IN PSD FORMATS	B1354-006
VIBRATION-MAXIMUM ACCELERATIONS FOR VARIOUS VEHICLES	00368-001

.....VIBRATION.....INPUT.....TRANSPORTATION.....OTHER.....

SHOCK + VIBRATION DATA OBTAINED FROM TRUCK + RAIL SHIPMENT 01003-006
TRANSPORTATION VIBRATION ENVIRONMENTS 01176-002
TRANSPORTATION OF EUROPEAN SPACELAB COMPONENTS 02210-000

.....VIBRATION.....RESPONSE.....GENERAL.....AIRCRAFT.....

VIBRATION OF HELICOPTERS (ISOLATION AND ABSORBERS) 02117-005

.....VIBRATION.....RESPONSE.....GENERAL.....AUTOMOBILE.....

STUDY OF PASSENGER RESPONSE TO IDEAL AND REAL VEH VIB 01941-001

.....VIBRATION.....RESPONSE.....HANDLING.....OTHER.....

SUMMARY, DYNAMIC ENVIRONMENT, FORKLIFT TRUCKS 01744-031
SHOCK, VIBRATION, 2000 LB FORKLIFT TRUCK (SEE 1744) 01745-046
VIBRATION, INPUT/RESPONSE, 3000 LB FORKLIFT (SEE 1744) 01748-075
VIBRATION, INPUT/RESPONSE, 4000 LB FORKLIFT (SEE 1744) 01751-061
SHOCK, VIBRATION, 7000 LB FORKLIFT TRUCK (SEE 1744) 01752-041

.....VIBRATION.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

VIBRATION NC130 AFT PASSENGER COMPARTMENT 01318-010

.....VIBRATION.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK SHOCK/VIB ENV, LARGE SHIPPING CONTAINER SEE 2071 A2072-001
SHOCK/VIB ENV LARGE SHIPPING CONTAINER BY TRUCK PART 1 A2164-010
SHOCK/VIB ENV LARGE SHIPPING CONTAINER BY TRUCK PART 2 A2165-016
VIBRATION ENVIRONMENT, AEC VAN WITH TRANSIT RIG SHIPPING CONT 01245-061
SHOCK/VIBRATION SUMMARY, UNION CARBIDE TRUCK TEST 01312-007
VIBRATION DATA, UNION CARBIDE TRUCK TEST 01313-045
CONCEPTS FOR NOISE REDUCTION IN TRACKED VEHICLES 02050-040

.....VIBRATION.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

RAILCAR SHOCK/VIB ENV, LARGE SHIPPING CONTAINER A2071-016
SHOCK/VIBRATION ENVIRONMENT SUMMARY, RAIL TRANSPORT 01320-011
RAIL SUMMARY, ATMA RAIL CAR TEST R200403 SEE EDB 2079 B2080-019
SHOCK/VIBRATION SUMMARY, UNION CARBIDE RAIL TEST 01315-007
VIBRATION DATA, UNION CARBIDE RAIL TEST 01316-065
VIBRATION, RAIL BOX CAR w/EMPTY, HALF AND FULL LOAD 01328-004
VIBRATION/PSD, ATMA RAIL CAR TEST R800403 02079-031

.....VIBRATION.....RESPONSE.....TRANSPORTATION.....OTHER.....

SHOCK + VIBRATION DATA OBTAINED FROM TRUCK + RAIL SHIPMENT 01003-006

.....VIBRATION.....RESPONSE.....UTILIZATION.....RAILROAD.....

DYNAMIC MEASUREMENT OF TRACK-INDUCED RAILCAR WHEEL ACC 02016-006

.....WIND.....INPUT.....GENERAL.....AIRCRAFT AND MISSILE..

SPACE SHUTTLE GREATER VIBROACOUSTICS 02061-023

.....WIND.....INPUT.....GENERAL.....OTHER.....

ENVIRONMENT CONDITIONS PREVAILING DURING TRANSIT 00078-001

WIND VELOCITIES, WORLDWIDE, AND DISTRIBUTION IN TEMPERATE ZONE 00258-001

WIND SPEED DISTRIBUTION IN THE UNITED STATES 01545-005

GLAZE ICE, WIND LOADS AT EARTH'S SURFACE 01722-001

.....WIND.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

FATIGUE DAMAGE PARAMETERS, TRANSPORT AIRCRAFT 01085-001

GUST LOAD FREQUENCY, AIRCRAFT FLIGHTS, 40-45 KILOFEET, IN STORM 01087-002

AIRCRAFT RECORDINGS DURING A TURBULENCE INCIDENT 01090-001

.....WIND.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

GUST LOAD FREQUENCY, AIRCRAFT FLIGHTS, 40-45 KILOFEET, IN STORM 01087-002

AIRCRAFT RECORDINGS DURING A TURBULENCE INCIDENT 01090-001

(STORM)

.....WIND.....INPUT.....GENERAL.....OTHER.....

WIND AND WAVE HEIGHTS - TROPICAL STORMS 01636-002

Abnormal Environments

....ACCELERATION/TIME.....INPUT.....GENERAL.....AIRCRAFT.....

ACCIDENT RATES, CIVIL AIRCRAFT 1964 - 1974	01034-006
CIVIL AIRCRAFT ACCIDENT TYPES, 1970 - 1974	01673-005
AIRCRAFT ACCIDENT REPORTS - NTSB - 1972	01724-002
AIRCRAFT ACCIDENTS, TYPE, RATE, NTSE 1975	01756-002
AIRCRAFT ACCIDENTS, TYPE, RATE, NTSE 1975	01757-010
NTSE 1974 REPORT TO CONGRESS, AIRCRAFT	01904-004
SUMMARY US CIVIL AVIATION ACCIDENT STATISTICS 1965-75	01923-007
AIRCRAFT ACCIDENTS INVOLVING FIRES 1963-1974 ANALYSIS	01940-002
ACCIDENT RATES, CIVIL AIRCRAFT 1974	01942-004
COMPARISON 1974 CIVIL A/C ACCIDENT RATES TO 1969-73	01943-007
ACCIDENT RATES, CIVIL AIRCRAFT, 1963-1975	01959-007
ACCIDENT RATES CIVIL AIRCRAFT 1966 - 1976	02005-008
ACCIDENT RATES BY MAKE AND MODEL 1973-1976 SEE DB 2005	02062-001
ACCIDENT RATES US GENERAL AVIATION 1967 TO 1977	02128-001
ACCIDENT RATES CIVIL AIRCRAFT 1967 - 1977	02129-006
ACCIDENT RATES BY MAKE AND MODEL 1960-1967	02134-003
AIRCRAFT ACCIDENTS INVOLVING FIRES 1965-1974 SPECIAL	02135-031
ANALYSIS US NAVY MAJOR AIRCRAFT ACCIDENTS 1972-1974	02151-053
AIRCRAFT COLLISIONS WITH FLYING WILDLIFE (BAT HAZARD)	02167-069

....ACCELERATION/TIME.....INPUT.....GENERAL.....AUTOMOBILE.....

NTSB 1974 REPORT TO CONGRESS, AUTOMOBILE	01905-001
ACCIDENTS INVOLVING VEHICLES PARKED OR STOPPED 1967-75	02077-014
INCIDENCE OF HAZARDOUS MATERIAL ACCIDENT-TRUCK SEE 2180	02161-001

....ACCELERATION/TIME.....INPUT.....GENERAL.....RAILROAD.....

RAIL ACCIDENT SPEED STATISTICS	01020-002
RAIL ACCIDENT STATISTICS, 1969	01666-002
RAIL ACCIDENT STATISTICS, 1971	01667-002
NTSB 1974 REPORT TO CONGRESS, RAIL	01906-001
TRAIN ACCIDENT RATES, 1965-1974	01920-004
A SAFETY/COST STUDY SHIPPING SPENT FUEL SPECIAL TRAIN	02099-017
RAIL-HIGHWAY GRADE CROSSING ACCIDENTS 1965-1974	02113-003
BROKEN RAILS, MAJOR CAUSE OF TRAIN ACCIDENTS 1962-1975	02137-010
INCIDENCE OF HAZARDOUS MATERIAL ACCIDENT-RAIL SEE 2180	02162-001

....ACCELERATION/TIME.....INPUT.....GENERAL.....SHIP.....

SUMMARY FRT SHIPS AND FRT BARGE ACCIDENTS 1965 - 1974	01905-005
SUMMARY US TANKSHIPS AND TNK BARGE ACCIDENTS 1963-1975	01942-005
INCIDENCE OF HAZARDOUS MATERIAL ACCIDENT-SHIP	02160-041
COMMERCIAL VESSELS THAT CARRY FRT IN ACCIDENTS 1963-74	02205-020
PUBLIC CARGO VESSEL INVOLVED IN ACCIDENTS 1963-74	02206-008
FREIGHT BARGE ACCIDENTS REPORTED 1965-74	02207-143
US INSPECTED CARGO FRT VESSELS ACCIDENTS REPORTED 63-74	02208-173

	ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....AIRCRAFT.....	
	INCIDENCE UNCONTAINED ROTOR BURSTS COMM AVIATION 62-76	G2140-C02
	ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....	
	TRAN ACCIDENT RISKS IN NUCLEAR POWER IND 1975-2020	C1989-C02
	ANALYSIS AND SUMMARY, ACCIDENT INVESTIGATIONS 1973-76	G2144-C04
	ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....RAILROAD.....	
	TRAN ACCIDENT RISKS IN NUCLEAR POWER IND SEE EDB 1989	C1990-C01
	ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....SHIP.....	
	TRAN ACCIDENT RISKS IN NUCLEAR POWER IND SEE EDB 1989	G1991-001
(EARTHQUAKE)	ACCELERATION/TIME.....INPUT.....GENERAL.....OTHER.....	
	EARTHQUAKES IN THE UNITED STATES	00948-004
	EARTHQUAKE, STRONG MOTION - ACCELOGRAMS G VS TIME	C1526-004
	EARTHQUAKE, STRONG MOTION - ACCELOGRAMS G VS TIME	C1527-004
	EARTHQUAKE - ROCK MOTION ACCELOGRAMS G VS TIME, DISTANCE	C1528-001
	STRONG MOTION EARTHQUAKE ACCELOGRAMS - PART F	C1570-004
	STRONG MOTION EARTHQUAKE ACCELOGRAMS - PART G	C1571-004
	STRONG MOTION EARTHQUAKE ACCELOGRAMS - PART H	C1572-004
	STRONG MOTION EARTHQUAKE ACCELOGRAMS- VOL I,PT I, DATA	C1600-004
	STRONG MOTION EARTHQUAKE ACCELOGRAMS- VOL I,PT J, DATA	C1601-004
	STRONG MOTION EARTHQUAKE ACCELOGRAMS- VOL I,PT K, DATA	C1602-004
	STRONG MOTION EARTHQUAKE ACCELOGRAMS-VOL III,RES. SPECTRA	C1603-003
	STRONG MOTION EARTHQUAKE ACCELOGRAMS-VOL IV,FOURIER SPECTRA	C1604-002
	EARTHQUAKE, ANCHORAGE, 1964(ENGINEERING INFORMATION	C1601-002
	EARTHQUAKE ACCELOGRAMS-DIGITIZED AND PLOTTED DATA	C1852-002
	EARTHQUAKE ACCELOGRAMS-RESPONSE SPECTRA	C1853-004
	EARTHQUAKE ACCELOGRAMS-RESPONSE SPECTRA	C1854-003
	EARTHQUAKE ACCELOGRAMS-FOURIER SPECTRA	C1855-003
(IMPACT)	ACCELERATION/TIME.....INPUT.....GENERAL.....AUTOMOBILE.....	
	TRUCK ACCIDENT SPEEDS A - SUMMARY	C1607-002
	STATISTICAL STUDY OF TRUCK ACCIDENT SPEEDS	C1698-C12
(IMPACT)	ACCELERATION/TIME.....INPUT.....GENERAL.....OTHER.....	
	APPROXIMATE DURATION OF SOME SHORT ACCELERATION LOADS	C0734-001
(IMPACT)	ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....AIRCRAFT.....	
	ANALYSIS OF DIRECTION OF LOADS IN AIRCRAFT ACCIDENTS	C0751-001
	ACCELERATION OF FLOOR-AIRCRAFT CRASHES	C0752-C01
	ACCELERATION,AIRCRAFT CRASH-VARIOUS ANGLES OF IMPACT	C0753-006

(IMPACT)

....ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

CIVIL AVIATION ACCIDENT DATA - 1962 TO 1972	C1664-009
AIRCRAFT ACCIDENT - BOEING 707 - 8/26/73	C1601-001
AIRCRAFT ACCIDENT - BOEING 747 - 4/12/74	C1618-001
A RISK AND COMPARATIVE ANALYSIS OF NAVY AIRCRAFT DATA	C1657-001
ARMY ROTARY WING AIRCRAFT ACCIDENTS-COST STUDY 1970-71	C1695-016
CRASH RESISTANT FLAMMABLE FLUIDS SYSTEM UH-1A COPTER	C2001-003
FULL SCALE CRASH TEST OF A CH-47C HELICOPTER	C2024-040
AIRCRAFT ACCIDENT, BOEING 727-225 24 JUN 75	C2152-059
AIRCRAFT ACCIDENT, CONVAIR VT-29D (CV-340) 09 JAN 75	C2153-031
AIRCRAFT ACCIDENT, BOEING 707-331B 08 SEP 74	C2154-044
AIRCRAFT ACCIDENT, BOEING 727-224 7 AUG 75	C2155-047
AIRCRAFT ACCIDENT, BOEING 727-225 01 DEC 74	C2156-033
AIRCRAFT ACCIDENT, DEHAVILLAND DHC-6 9 JAN 75	C2157-025
AIRCRAFT ACCIDENT, DC-8 62 15 SEP 70	C2158-026
AIRCRAFT ACCIDENT, DC-8 63F 8 SEP 70	C2159-036
AIRCRAFT ACCIDENT, DC-8 63F 27 NOV 70	C2160-048
AIRCRAFT ACCIDENT, DC-9 31 11 SEP 74	C2161-040
AIRCRAFT ACCIDENT, UH-114 24 JUN 72	C2162-014
LIGHT PLANE CRASH TESTS AT IMPACT VEL.13 AND 27 M SEC	C2166-054

(IMPACT)

....ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK ACCIDENT ENVIRONMENT ANALYSIS TAC - STUDY	C1944-002
ACCELERATIONS, AUTOMOBILE CRASH (HEAD-ON)	C0737-001
DECELERATION PATTERNS FOR AUTOMOBILE HEAD-ON COLLISIONS	C0738-001
TRUCK ACCIDENTS, NHTSA, FINAL REPORT	C1875-019
TRUCK ACCIDENTS, NHTSA, VOL.6, NO.4	C1876-003
TRUCK ACCIDENTS, NHTSA, VOL.6, NO.5	C1877-004
TRUCK ACCIDENTS, NHTSA, VOL.6, NO.6	C1878-006
TRUCK ACCIDENTS, NHTSA, VOL.6, NO.7	C1879-006
TRUCK ACCIDENTS, NHTSA, VOL.6, NO.8	C1880-011
TRUCK ACCIDENTS, NHTSA, VOL.6, NO.9	C1881-014
CAR ACCIDENT, NHTSA, VOL.6, NO.11	C1898-005
TRUCK ACCIDENT, NHTSA, VOL.6, NO.10	C1899-005
TRUCK ACCIDENT, NHTSA, VOL.6, NO.12	C1900-004
TRUCK/PICKUP TRUCK w/CAMPER AND TRAILER COLLISION	C1901-015
AUTO COLLISION w/AND COLLAPSE OF BRIDGE, SILOAM, NC	C1952-014
TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS	C1953-011
SCHOOLBUS/AUTO COLLISION/ROLLOVER, ASHLAND, OREGON	C1954-017
COLLISION OF TRUCK AND BUS, NEAK HAMILTON, GA JUN 1975	C1955-009
COLLISION OF WINNEBAGO MOTOR HOME w/BRIDGE 1 JUL 1975	C1956-015
COLLISION OF TRUCK AND CAR, LOVINGTON, NM 3 JAN 1976	C1957-006
CAR COLLISION, FRONT-TO-FRONT IMPACT TEST AT 60 MPH	C1958-002
TRUCK TRACTOR-TRAILER/GROUND/ROLLOVER VOL 7, NO 1	C1962-004
TRUCK TRACTOR-SPORTS VAN IMPACT VOL 7, NO 1	C1963-005
TRUCK CAR ACCIDENT, BALTIMORE, MD, ON INTERSTATE	C1964-006
TRUCK CAR ACCIDENT, REAR END UNDER-RIDE IMPACT, VOL 7	C1965-006
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975	C1966-001
TRACTOR TRAILER/CAR/SCHOOL BUS, REAR END, ROLLOVER	C1967-005

(IMPACT)

....ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

CAR BUS ACCIDENT, OVERLAND PARK, KANSAS	7 OCT 1975	01968-005
STATION WAGON/TRAIN ACCIDENT, BALTIMORE, MD	DEC 1975	01969-006
TRACTOR TRAILER, REAR END AND ROLLOVER NY	1 JUL 1975	01970-005
TRUCK ACCIDENT, TIRE BLEW OUT, IMPACT, NY	21 JUN 1975	01971-005
STATION WAGON/SCHOOL BUS, HEAD ON, HAMBURG, NY	SEP 1975	01972-005
TRUCK/SCHOOL BUS/TRAIN ACCIDENT, ARKANSAS	11 SEP 1975	01973-005
TRACTOR TRAILER, FRONT TO SIDE IMPACT	FEB 1975	01974-006
TRUCK CAR ACCIDENT INTERSECTION, BALTIMORE, MD	FEB 1975	01975-006
CAR/POLE/TRAIN SIDESWIPE IMPACT, LOS ANGELES	25 SEP 1975	01976-004
TRUCK CAR ACCIDENT, REAR END, SAN DIEGO FREEWAY	JAN 1976	01977-005
UNDERIDE OVERIDE INTERVEHICULAR COLLISIONS		02002-003
TRUCK ACCIDENT, TRI-STATE RIG, GILA BEND AZ		02006-006
TRUCK ACCIDENT, COLLISION LEFT ROADWAY WASHINGTON DC		02007-007
TRUCK/SCHOOL BUS COLLISION LAKE PLACID FL		02008-006
TRUCK/VAN/AUTO ACCIDENT LEXINGTON VA	20 AUG 1976	02013-007
LUMBER TRUCK ACCIDENT-CARGO SHIFT, HARTFORD	6 DEC 1975	02027-007
TRUCK/TRAIN CROSSING ACCIDENT NY ROUTE 19	10 NOV 1973	02028-006
TRUCK, FRONT CORNER IMPACT, CONCORD, NY	27 NOV 1973	02030-006
TRUCK WHEEL/CAR - TOP IMPACT NY STATE	26 NOV 1973	02031-005
CAR/TRACTOR-TRAILER UNDERHILL COLLISION	13 DEC 1974	02033-004
TRACTOR-TRAILER CAMPING ACCIDENT, HARDIN, KY	JUN 1975	02036-004
MOTOR HOME, KAN-OFF ROADWAY, IMPACT, FIRE, EXPLOSION	1975	02037-006
TRACTOR-TRAILER/CAR SIDESWIPE RURAL KY	AUG 1973	02038-005
TRUCK CAR ACCIDENT PACIFIC COAST HIGHWAY	17 JUN 1975	02039-004
WHITE FREIGHTLINER ACCIDENT VENTURA FREEWAY	JUN 1975	02040-004
TRUCK TRAILER ROLLOVER, POOR BRAKES, VERN., CA	JUN 1975	02041-004
TRUCK CAR ACCIDENT, LANE CHANGE, LOS ANGELES	JUN 1975	02042-004
TANKTRUCK ACCIDENT, HELIUM FUEL LEAKAGE	JUL 1975	02043-004
JACKKNIFING TRAILER FORCED TRACTOR INTO BRIDGE	JUL 1975	02044-004
TRUCK TRAILER ACCIDENT, CARGO SHIFT, ROLLOVER	AUG 1975	02045-004
TRUCK ACCIDENT, PROPANE, OVERTURN AND FIRE	9 MAR 1972	02078-014
CAR/TRAIN, GRADE CROSSING, DES MOINES, IOWA	SEE DB 2085	02087-001
TRACTOR TRAILER COLLIDED WITH CAR BAXTER, CA	11 MAR 77	02092-007
TRACTOR/CARGO TANK TRAILER ACCIDENT, CHERRY HILL, NJ		02094-005
TANKTRUCK/RAIL GRADE CROSSING ACCIDENT	SEE DB 2095	02096-001
SCHOOL BUS TRAIN GRADE CROSSING ACCIDENT	SEE DB 2098	02097-001
TRACTOR-SEMITRAILER COLLISION MULTIPLE VEHICLES	AUG 76	02112-013
MINI MOTOR HOME/CAR ACCIDENT MCALISTER, OK	14 JUL 77	02115-014
TRUCK ACCIDENT, PENETRATED BRIDGE RAIL RELEASED HM CG		02116-010
TANKTRUCK RAIL CROSSING ACCIDENT	SEE DB 2118 10 MAR 75	02119-001
TRUCK ACCIDENT, GASOLINE FIRE, BEATTYVILLE KY	09/24/77	02168-014
TRUCK RAIL CROSSING ACCIDENT	SEE DB 2203 27 JAN 76	02204-001

(IMPACT)

....ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....RAILROAD.....

REAR END COLLISION AND DERAILMENT MEEKER, LA	MAY 1975	01924-012
RAIL ACCIDENT, HEAD-IN, EL MONTE, CA	2 APR 1973	01925-004
RAIL ACCIDENT, HEAD-ON, LUFKIN, TEXAS	18 NOV 1973	01926-003
RAIL ACCIDENT, HEAD-ON, COBDEN, ILLINOIS	2 DEC 1973	01927-003

(IMPACT)

.....ACCELERATION/TIME.....INPUT.....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, HEAD-ON, PLAINVIEW, TEXAS	15 DEC 1973	01928-003
RAIL ACCIDENT, HEAD-ON, ST LOUIS, MISSOURI	22 JUN 1974	01929-004
RAIL ACCIDENT, HEAD-ON, MEMPHIS, TEN	24 JAN 1975	01930-003
RAIL ACCIDENT, SIDE-ON, EARLS, TEXAS	29 NOV 1974	01931-003
RAIL ACCIDENT, OPEN SWITCH, WINDHAM, OHIO	22 NOV 1973	01932-002
RAIL ACCIDENT, RAKING, LAKE JUNCTION, NJ	17 JUN 1974	01933-004
RAIL ACCIDENT, REAR END, HURRICANE, ALASKA	5 JUL 1975	01945-012
RAIL ACCIDENT, REAR END, LEETONIA, OHIO	6 JUN 1975	01946-014
RAIL ACCIDENT, REAR END, DUFO, ILLINOIS	3 JAN 1975	01947-004
RAIL ACCIDENT, GRADE CROSSING, DEL MAR, CA	27 FEB 1974	01948-003
RAIL ACCIDENT, BROKEN RAIL, THOMPSONTOWN, PA	DEC 1974	01949-002
RAIL ACCIDENT, GRADE CROSSING, TRACY, CA	9 MAR 1975	01950-015
RAIL ACCIDENT, GRADE CROSSING, ELWOOD, IL	19 NOV 1975	01951-012
RAIL ACCIDENT, UNPROTECTED GRADE CROSSING	7 FEB 1976	02010-006
RAIL ACCIDENT, DERAILMENT JARRATT VA	5 MAY 1976	02011-013
RAIL ACCIDENT, HEAD-ON 2 TRAINS PETTISVILLE OH		02012-008
AUTOMATED WHEEL-ON-THE-GROUND DERAILMENT DETECTION SYS		02017-006
BIRMINGHAM DERAILMENT, TRACK GAGE WIDENS	16 JAN 1977	02023-002
RAIL CROSSING ACCIDENT WITH TANK TRUCK SEE EDE2028		02029-001
CAR/TRAIN-FRONT TO SIDE IMPACT UNPROTECTED CROSSING		02032-005
SCHOOL BUS-TRAIN COLLISION STRATTON, NE	8 AUG 1976	02034-006
TRAIN DERAILMENT CARRYING 2 CONTAINERS OF RAM		02049-002
RAIL ACCIDENT, GRADE CROSSING, DES MOINES, IOWA		02055-011
RAIL ACCIDENT, GRADE CROSSING, MARLAND, OK	15 DEC 76	02095-008
RAIL CROSSING ACCIDENT WITH SCHOOL BUS LAFAYETTE, OK		02098-009
TRAIN ACCIDENT, RAIL FAILURE, RELEASED ANHYDROUS AMMON		02109-012
RAIL CROSSING ACCIDENT W/TANKTRUCK THAYER, MS	10 MAR 7	02118-004
RAIL ACCIDENT, REAR-END BLACK ROCK, NY	15 JUN 75	02121-004
RAIL ACCIDENT, REAR-END NEW YORK CITY, NY	29 JUL 75	02122-004
RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN	22 OCT 75	02123-005
RAIL ACCIDENT, HEAD-ON OKLAHOMA, MS	23 NOV 75	02124-003
RAIL ACCIDENT, HEAD-ON, STATE-OF-ART TRANSIT	11 AUG 73	02136-029
RAIL ACCIDENT, DERAILMENT HASTINGS NE	2 AUG 76	02141-006
RAIL ACCIDENT, HEAD-ON, 2 TRAINS, NEW HAVEN IN	OCT 76	02142-010
RAIL ACCIDENT, DERAILMENT GOODMAN MS AMTRAK	30 JUN 76	02143-010
RAIL ACCIDENT, DERAILMENT GOLDONNA LA	23 DEC 77	02147-014
RAIL ACCIDENT, RAIL FAILURE, PENSACOLA FL	9 NOV 77	02169-023
RAIL ACCIDENT, REAR-END BROOKLYN JUNCTION WV	27 JAN 76	02194-004
RAIL ACCIDENT, REAR-END SANGHORN NY	27 JAN 76	02195-005
RAIL ACCIDENT, DERAILMENT WARD AR	3 FEB 76	02196-006
RAIL ACCIDENT, REAR-END TRACK CANNING ID	1 MAR 76	02197-005
RAIL ACCIDENT, DERAILMENT/FIRE CALVERT TX	30 MAR 76	02198-005
RAIL ACCIDENT, REAR-END BLAIRSVILLE PA	7 APR 76	02199-004
RAIL ACCIDENT, SHIFTED LOAD HUGHES OH	7 JUN 76	02200-006
RAIL ACCIDENT, DERAILMENT CLIFFORD MI	18 OCT 76	02201-003
RAIL ACCIDENT, AMTRAK DERAILMENT CHICAGO IL	18 OCT 76	02202-004
RAIL ACCIDENT, GRADE CROSSING GOLDEN MS	27 JAN 76	02203-006

(IMPACT)ACCELERATION/TIME.....INFUT.....TRANSPORTATION.....SHIP.....

NATURE OF SHIP COLLISIONS WITHIN PORTS 02026-001
TANSHIP ACCIDENT, PENETRATION/GAS FIRE IN CARGO TANKS 02040-001
SS CAUNE COLLIDED W/TANKSHIP SS KEYTRADER 10 JAN 74 02126-001

(IMPACT)ACCELERATION/TIME.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

FULL SCALE CRASH TEST OF A CH-47C HELICOPTER 02024-040
LIGHT PLANE CRASH TESTS AT IMPACT VEL. 15 AND 27 M SEC 02166-054

(IMPACT)ACCELERATION/TIME.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK ACCIDENTS, NHTSA, FINAL REPORT 01875-019
TRUCK ACCIDENTS, NHTSA, VOL. 6, NO. 4 01876-003
TRUCK ACCIDENTS, NHTSA, VOL. 6, NO. 5 01877-004
TRUCK ACCIDENTS, NHTSA, VOL. 6, NO. 6 01878-008
TRUCK ACCIDENTS, NHTSA, VOL. 6, NO. 7 01879-006
TRUCK ACCIDENTS, NHTSA, VOL. 6, NO. 8 01880-011
TRUCK ACCIDENTS, NHTSA, VOL. 6, NO. 9 01881-014
CAR ACCIDENT, NHTSA, VOL. 6, NO. 11 01898-005
TRUCK ACCIDENT, NHTSA, VOL. 6, NO. 10 01899-005
TRUCK ACCIDENT, NHTSA, VOL. 6, NO. 12 01900-004
TRUCK/PICKUP TRUCK W/CAMPER AND TRAILER COLLISION 01901-015
AUTO COLLISION W/AND COLLAPSE OF BRIDGE, SILOAM, NC 01952-014
TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS 01953-011
SCHOOLBUS/AUTO COLLISION/ROLLOVER, ASHLAND, OREGON 01954-017
COLLISION OF TRUCK AND BUS, NEAR HAMILTON, GA JUN 1975 01955-009
COLLISION OF WINNEBAGO MOTOR HOME W/BRIDGE 1 JUL 1975 01956-015
COLLISION OF TRUCK AND CAR, LOVINGTON, NM 3 JAN 1976 01957-006
CAR COLLISION, FRONT-TO-FRONT IMPACT TEST AT 60 MPH 01958-002
TRUCK TRACTOR-TRAILER/GROUND/ROLLOVER VOL 7, NO 1 01962-004
TRUCK TRACTOR-SPORTS VAN IMPACT VOL 7, NO 1 01963-005
TRUCK CAR ACCIDENT, BALTIMORE, MD, ON INTERSTATE 01964-006
TRUCK CAR ACCIDENT, REAR END UNDER-RIDE IMPACT, VOL 7 01965-006
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975 01966-001
TRACTOR TRAILER/CAR/SCHOOL BUS, REAR END, ROLLOVER 01967-005
CAR BUS ACCIDENT, OVERLAND PARK, KANSAS 7 OCT 1975 01968-005
STATION WAGON/TRAIN ACCIDENT, BALTIMORE, MD DEC 1975 01969-006
TRACTOR TRAILER, REAR END AND ROLLOVER NY 1 JUL 1975 01970-005
TRUCK ACCIDENT, TIRE BLEW OUT, IMPACT, NY 21 JUN 1975 01971-005
STATION WAGON/SCHOOL BUS, HEAD ON, HAMBURG, NY SEP 1975 01972-005
TRUCK/SCHOOL BUS/TRAIN ACCIDENT, ARKANSAS 11 SEP 1975 01973-005
TRACTOR TRAILER, FRONT TO SIDE IMPACT FEB 1975 01974-006
TRUCK CAR ACCIDENT INTERSECTION, BALTIMORE, MD FEB 1975 01975-006
CAR/POLE/TRAIN SIDESWIPE IMPACT, LOS ANGELES 25 SEP 1975 01976-004
TRUCK CAR ACCIDENT, REAR END, SAN DIEGO FREEWAY JAN 1976 01977-005
TRUCK ACCIDENT, TRI-STATE RIG, GILA BEND AZ 02006-006
TRUCK ACCIDENT, COLLISION LEFT ROADWAY WASHINGTON DC 02007-007
TRUCK/SCHOOL BUS COLLISION LAKE PLACID FL 02008-006
TRUCK/VAN/AUTO ACCIDENT LEXINGTON VA 20 AUG 1976 02013-007

(IMPACT)

....ACCELERATION/TIME.....RESPONSE....TRANSPORTATION.....AUTOMOBILE.....

LUMBER TRUCK ACCIDENT-CARGO SHIFT, HARTFORD	6 DEC 1975	02027-007
TRUCK/TRAIN CROSSING ACCIDENT NY ROUTE 19	10 NOV 1973	02028-006
TRUCK, FRONT CORNER IMPACT, CONCORD, NY	27 NOV 1973	02030-006
TRUCK WHEEL/CAR - TLP IMPACT NY STATE	26 NOV 1973	02031-005
CAR/TRACTOR-TRAILER UNDERWIDE COLLISION	13 DEC 1974	02033-004
TRACTOR-TRAILER CAMPING ACCIDENT, HARDIN, KY	JUN 1975	02036-004
MOTOR HOME, RAY-OFF ROADWAY, IMPACT, FIRE, EXPLOSION	1975	02037-006
TRACTOR-TRAILER/CAR SIDESWIPE RURAL KY	AUG 1973	02038-005
TRUCK CAR ACCIDENT PACIFIC COAST HIGHWAY	17 JUN 1975	02039-004
WHITE FREIGHTLINER ACCIDENT VENTURA FREEWAY	JUN 1975	02040-004
TRUCK TRAILER ROLLOVER, POOR BRAKES, VERNO, CA	JUN 1975	02041-004
TRUCK CAR ACCIDENT, LANE CHANGE, LOS ANGELES	JUN 1975	02042-004
TANKTRUCK ACCIDENT, HELIUM FUEL LEAKAGE	JUL 1975	02043-004
JACKKNIFING TRAILER FORCED TRACTOR INTO BRIDGE	JUL 1975	02044-004
TRUCK TRAILER ACCIDENT, CARGO SHIFT, ROLLOVER	AUG 1975	02045-004
TRUCK ACCIDENT, PROPANE, OVERTURN AND FIRE	9 MAR 1972	02078-014
CAR/TRAIN, GRADE CROSSING, DES MOINES, IOWA	SEE DB 2085	02087-001
TRACTOR TRAILER COLLIDED WITH CAR BAXTER, CA	11 MAR 77	02092-007
TRACTOR/CARGO TANK TRAILER ACCIDENT, CHERRY HILL, NJ		02094-005
TANKTRUCK/RAIL GRADE CROSSING ACCIDENT	SEE DB 2095	02096-001
SCHOOL BUS TRAIN GRADE CROSSING ACCIDENT	SEE DB 2098	02097-001
TRACTOR-SEMITRAILER COLLISION MULTIPLE VEHICLES	AUG 76	02112-013
MINI MOTOR HOME/CAR ACCIDENT MCALISTER, OK	14 JUL 77	02115-014
TRUCK ACCIDENT, PENETRATED BRIDGE RAIL RELEASED	HM CG	02116-010
TANKTRUCK RAIL CROSSING ACCIDENT	SEE DB2118 10 MAR 75	02119-001
TRUCK ACCIDENT, GASOLINE FIRE, BEATTYVILLE KY	09/24/77	02168-014
TRUCK RAIL CROSSING ACCIDENT	SEE DB 2203 27 JAN 76	02204-001

(IMPACT)

....ACCELERATION/TIME.....RESPONSE....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, HEAD-ON, EL MONTE, CA	2 APR 1973	01925-004
RAIL ACCIDENT, HEAD-ON, LUFKIN, TEXAS	18 NOV 1973	01926-003
RAIL ACCIDENT, HEAD-ON, COBDEN, ILLINOIS	2 DEC 1973	01927-003
RAIL ACCIDENT, HEAD-ON, PLAINVIEW, TEXAS	15 DEC 1973	01928-003
RAIL ACCIDENT, HEAD-ON, ST LOUIS, MISSOURI	22 JUN 1974	01929-004
RAIL ACCIDENT, HEAD-ON, MEMPHIS, TEN	24 JAN 1975	01930-003
RAIL ACCIDENT, SIDE-ON, EARLS, TEXAS	29 NOV 1974	01931-003
RAIL ACCIDENT, OPEN SWITCH, WINDHAM, OHIO	22 NOV 1973	01932-002
RAIL ACCIDENT, RAKING, LAKE JUNCTION, NJ	17 JUN 1974	01933-004
RAIL ACCIDENT, REAR END, HURRICANE, ALASKA	5 JUL 1975	01945-012
RAIL ACCIDENT, REAR END, LEETONIA, OHIO	6 JUN 1975	01946-014
RAIL ACCIDENT, REAR END, DUPO, ILLINOIS	3 JAN 1975	01947-004
RAIL ACCIDENT, GRADE CROSSING, DEL MAR, CA	27 FEB 1974	01948-003
RAIL ACCIDENT, BROKEN RAIL, THOMPSONTOWN, PA	DEC 1974	01949-002
RAIL ACCIDENT, GRADE CROSSING, TRACY, CA	9 MAR 1975	01950-015
RAIL ACCIDENT, GRADE CROSSING, ELMOOD, IL	19 NOV 1975	01951-012
RAIL ACCIDENT, UNPROTECTED GRADE CROSSING	7 FEB 1976	02010-006
RAIL ACCIDENT, DERAILMENT JARRATT VA	5 MAY 1976	02011-013
RAIL ACCIDENT, HEAD-ON 2 TRAINS PETTISVILLE OH		02012-002

(IMPACT)

....ACCELERATION/TIME.....RESPONSE....TRANSPORTATION.....RAILROAD.....

AUTOMATED WHEEL-ON-THE-GROUND DERAILMENT DETECTION SYS	02017-006
BIRMINGHAM DERAILMENT, TRACK GAGE WIDENS 16 JAN 1977	02023-002
RAIL CROSSING ACCIDENT WITH TANK TRUCK SEE EEE2022	02029-001
CAR/TRAIN-FRONT TO SIDE IMPACT UNPROTECTED CROSSING	02032-005
SCHOOL BUS-TRAIN COLLISION STRATTON, NE 8 AUG 1976	02034-006
TRAIN DERAILMENT CARRYING 2 CONTAINERS OF RAM	02049-002
RAIL ACCIDENT, GRADE CROSSING, DES MOINES, IOWA	02065-011
RAIL ACCIDENT, GRADE CROSSING, MARLAND, OK 15 DEC 76	02095-008
RAIL CROSSING ACCIDENT WITH SCHOOL BUS LAFAYETTE, OR	02098-009
TRAIN ACCIDENT, RAIL FAILURE, RELEASED ANHYDROUS AMMON	02109-012
RAIL CROSSING ACCIDENT W/TANKTRUCK THAYER, MS 10 MAR 7	02118-004
RAIL ACCIDENT, REAR-END BLACK ROCK, NY 15 JUN 75	02121-004
RAIL ACCIDENT, REAR-END NEW YORK CITY, NY 29 JUL 75	02122-004
RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN 22 OCT 75	02123-005
RAIL ACCIDENT, HEAD-ON OKLAHOMA, MS 23 NOV 75	02124-003
RAIL ACCIDENT, HEAD-ON, 2 TRAINS, NEW HAVEN IN OCT 76	02142-010
RAIL ACCIDENT, DERAILMENT GOODMAN MS AMTRAK 30 JUN 76	02143-010
RAIL ACCIDENT, DERAILMENT GOLDFONNA LA 20 DEC 77	02147-014
RAIL ACCIDENT, RAIL FAILURE, PENSACOLA FL 9 NOV 77	02169-023
RAIL ACCIDENT, REAR-END BROOKLYN JUNCTION WV 27 JAN 76	02194-004
RAIL ACCIDENT, REAR-END SANBORN NY 27 JAN 76	02195-005
RAIL ACCIDENT, DERAILMENT WARD AK 3 FEB 76	02196-006
RAIL ACCIDENT, REAR-END TRACK CAR DINGLE ID 1 MAR 76	02197-005
RAIL ACCIDENT, DERAILMENT/FIRE CALVERT TX 30 MAR 76	02198-005
RAIL ACCIDENT, REAR-END BLAIRSVILLE PA 7 APR 76	02199-004
RAIL ACCIDENT, SHIFTED LOAD HUGHES OH 7 JUN 76	02200-006
RAIL ACCIDENT, DERAILMENT CLIFFORD MI 18 OCT 76	02201-003
RAIL ACCIDENT, AMTRAK DERAILMENT CHICAGO IL 18 OCT 76	02202-004
RAIL ACCIDENT, GRADE CROSSING GOLDEN MS 27 JAN 76	02203-006

(IMPACT)

....ACCELERATION/TIME.....RESPONSE....TRANSPORTATION.....SHIP.....

NATURE OF SHIP COLLISIONS WITHIN PORTS	02026-001
TANSHIP ACCIDENT, PENETRATION/GAS FIRE IN CARGO TANKS	02048-001
SS BAUNE COLLIDED W/TANSHIP SS KEYTRADER 18 JAN 74	02126-001

.....FRAGMENTATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

HELICOPTER LANDING GEAR COLLAPSED PAN AM BLDG NY	02046-001
HELICOPTER MAIN ROTOR HUB TRUNNION FRACTURED/SEPARATED	02047-001

.....FRAGMENTATION.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

HELICOPTER LANDING GEAR COLLAPSED PAN AM BLDG NY	02046-001
HELICOPTER MAIN ROTOR HUB TRUNNION FRACTURED/SEPARATED	02047-001

(PROJECTILE/IMPALEMENT)

.....FRAGMENTATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

AIRCRAFT ACCIDENT, INFLIGHT SEPARATION PROPELLER BLADE	02004-001
AN ASSESSMENT OF TECHNOLOGY TURBOJET ENGINE FAILURES	02139-001

(PROJECTILE/IMPALEMENT)FRAGMENTATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....
 INCIDENCE UNCONTAINED ROTOR BURSTS COMM AVIATION 62-76 02140-002

(PUNCTURE)FRAGMENTATION.....INPUT.....GENERAL.....AIRCRAFT.....
 TURBIN ENGINE ROTOR DISK FAILURES 1962 TO EARLY 1973 02054-013

(PUNCTURE)FRAGMENTATION.....INPUT.....GENERAL.....OTHER.....
 FRAGMENTS, MASS, VELOCITY, STANDARD ARTILLEKY SHELLS 01814-002

(PUNCTURE)FRAGMENTATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....
 ROTOR FRAGMENT CONTAINMENT-JET ENGINE FAILURE - 1972 01781-010
 ROTOR FAILURES, GAS TURBINE, US COMM AVIATION 1973 02163-033
 ROTOR FAILURES, GAS TURBINE, US COMM AVIATION 1974 02184-032

(PUNCTURE)FRAGMENTATION.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....
 SEVERITIES TRAN ACCIDENT VOL 3 MOTOR CARRIER SEE A1630 A1663-001
 SEVERITIES TRAN ACCIDENTS INVOLVING LARGE PACKAGES A2130-080
 TRUCK ACCIDENT-FLORIDA-2/2/71 01695-003
 TRUCK ACCIDENT REPORTS, NHTSA, NO. 7 01753-005
 TRUCK ACCIDENT REPORTS, NHTSA, NO. 8 01754-004
 TRUCK ACCIDENT REPORTS, NHTSA, NO. 9 01755-005

(PUNCTURE)FRAGMENTATION.....INPUT.....TRANSPORTATION.....RAILROAD.....
 SEVERITIES TRAN ACCIDENT VOL 4 TRAIN SEE A1630 A1986-001
 SEVERITIES RAIL ACCIDENTS LARGE PACKAGES SEE DB A2130 A2131-001
 RAIL ACCIDENT, HOUSTON, TEXAS 21 SEPT, 1974 01893-014
 TRAIN ACCIDENT, RAIL FAILURE, RELEASED ANHYDROUS AMMON 02109-012
 TRAIN DERAILMENT, FIRES AND EXPLOSION, BELT, MONTANA 02110-010
 TRAIN ACCIDENT, COLLISION W/RAIL MAIN, AZ 16 MAR 75 02120-005
 RAIL ACCIDENT, DERAILMENT GOLDONNA LA 28 DEC 77 02147-014
 RAIL ACCIDENT, RAIL FAILURE, PENSACOLA FL 9 NOV 77 02169-023
 RAIL ACCIDENT, SHIFTED LOAD HUGHES OH 7 JUN 76 02200-006
 RAIL ACCIDENT, DERAILMENT CLIFFORD MI 18 OCT 76 02201-003

(PUNCTURE)FRAGMENTATION.....INPUT.....TRANSPORTATION.....SHIP.....
 IMPACT, PENETRATION, SHIP COLLISION AND GROUNDING 01550-001
 SS BAUNE COLLIDED W/TANKSHIP SS KEYTRADER 18 JAN 74 02126-001

(PUNCTURE)FRAGMENTATION.....INPUT.....TRANSPORTATION.....OTHER.....
 SEVERITIES OF TRANSPORTATION ACCIDENTS VOL 1 SUMMARY A1630-006

(PUNCTURE)FRAGMENTATION.....RESPONSE....TRANSPORTATION.....AUTOMOBILE.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS 01688-002
TRUCK ACCIDENT-FLORIDA-8/6/71 01695-003

(PUNCTURE)FRAGMENTATION.....RESPONSE....TRANSPORTATION.....RAILROAD.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS SEE EDB1088 01699-002
RAIL ACCIDENT,HOUSTON,TEXAS, 19OCT1971 01646-006
RAIL ACCIDENT,CRESCENT CITY, 19AUG1970 01647-009
RAIL ACCIDENT, HOUSTON,TEXAS 21 SEPT, 1974 01893-014
TRAIN ACCIDENT, RAIL FAILURE, RELEASED ANHYDROUS AMMON 02109-012
TRAIN DERAILMENT, FIRES AND EXPLOSION, BELT, MONTANA 02110-010
TRAIN ACCIDENT, COLLISION W/RAIL MAIN, AZ 16 MAR 75 02120-005
RAIL ACCIDENT, DERAILMENT GULDONNA LA 28 DEC 77 02147-014
RAIL ACCIDENT, RAIL FAILURE, PENSACOLA FL 9 NOV 77 02169-023
RAIL ACCIDENT, SHIFTED LOAD HUGHES OH 7 JUN 76 02200-006
RAIL ACCIDENT, DERAILMENT CLIFFORD MI 18 OCT 76 02201-003

(PUNCTURE)FRAGMENTATION.....RESPONSE....TRANSPORTATION.....SHIP.....

SS BAUNE COLLIDED W/TANKSHIP SS KEYTRADER 12 JAN 74 02126-001

(EXPLOSION)FRAGMENTATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

AIRCRAFT ACCIDENT, BOEING 707-331B 08 SEP 74 02154-044

(EXPLOSION)FRAGMENTATION.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK ACCIDENT-NEW JERSEY 9/21/72 01690-003
TRUCK ACCIDENT-GEORGIA-6/4/71 01694-003
TRUCK ACCIDENT-VIRGINIA-3/9/72 01696-003
RISK ASSESSMENT OF TRANSPORT OF LNG 02177-091

(EXPLOSION)FRAGMENTATION.....INPUT.....TRANSPORTATION.....RAILROAD.....

RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN 22 OCT 75 02123-005

(EXPLOSION)FRAGMENTATION.....INPUT.....TRANSPORTATION.....SHIP.....

EXPLOSION FIRE ENGULFED THE M/T ELIAS, UNLOADING APR 74 02127-003
RISK ASSESSMENT OF TRANSPORT OF LNG SEE EDB 2177 02178-001

(EXPLOSION)FRAGMENTATION.....RESPONSE....TRANSPORTATION.....RAILROAD.....

RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN 22 OCT 75 02123-005

(EXPLOSION)FRAGMENTATION.....RESPONSE....TRANSPORTATION.....SHIP.....

EXPLOSION FIRE ENGULFED THE M/T ELIAS, UNLOADING APR 74 02127-003

.....PRESSURE.....INPUT.....GENERAL.....OTHER.....

.....PRESSURE.....INPUT.....GENERAL.....OTHER.....

TYPHOON REPORT - PACIFIC OCEAN - 1959	01802-003
TYPHOON REPORT - PACIFIC OCEAN - 1960	01803-003
TYPHOON REPORT - PACIFIC OCEAN - 1961	01804-003
TYPHOON REPORT - PACIFIC OCEAN - 1962	01805-004
TYPHOON REPORT - PACIFIC OCEAN - 1963	01806-003
TYPHOON REPORT - PACIFIC OCEAN - 1965	01807-003
TYPHOON REPORT - PACIFIC OCEAN - 1966	01808-003
TYPHOON REPORT - PACIFIC OCEAN - 1967	01809-003
TYPHOON REPORT - PACIFIC OCEAN - 1968	01810-004
TYPHOON REPORT - PACIFIC OCEAN - 1969	01811-002
TYPHOON REPORT - PACIFIC OCEAN - 1970	01812-003
TYPHOON REPORT - PACIFIC OCEAN - 1974	01813-003
TROPICAL CYCLONES	01856-002

(CRUSH)PRESSURE.....INPUT.....GENERAL.....AIRCRAFT.....

CRUSH ENVIRONMENT SMALL CONTAINERS CARRIED BY US JETS	02114-010
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(CRUSH)PRESSURE.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 197	01906-001
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(CRUSH)PRESSURE.....RESPONSE.....GENERAL.....AIRCRAFT.....

CRUSH ENVIRONMENT SMALL CONTAINERS CARRIED BY US JETS	02114-012
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(CRUSH)PRESSURE.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS	01608-002
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975	01906-001

(CRUSH)PRESSURE.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS SEE EDH1688	01609-002
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(IMMERSION)PRESSURE.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

SEVERITIES TRAN ACCIDENT VOL 2 CARGO AIRCRAFT SEE 1630	A1602-001
A/C ACCIDENT DEHAVILLAND DHC 16 FEB 1970	01679-003
A/C ACCIDENT DC9 MAY 1970	01682-003
A/C ACCIDENT SKYVAN SERIES 3 JULY 1970	01683-003

(IMMERSION)PRESSURE.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

SEVERITIES TRAN ACCIDENT VOL 3 MOTOR CARRIER SEE A1630	A1603-001
SEVERITIES TRAN ACCIDENTS INVOLVING LARGE PACKAGES	A2130-080

(IMPRESSION)PRESSURE.....INPUT.....TRANSPORTATION.....RAILROAD.....

SEVERITIES TRAN ACCIDENT VOL 4 TRAIN SEE A1630 A1906-001
 SEVERITIES RAIL ACCIDENTS LARGE PACKAGES SEE DB A2130 A2131-001

(IMPRESSION)PRESSURE.....INPUT.....TRANSPORTATION.....SHIP.....

SINKING SS SILVER DUVE, CRACKED WALL IN CARGO HOLD 02009-003
 SINKING GREAT LAKES BULK CARGO VESSEL SS ED FITZGERALD 02125-001

(IMPRESSION)PRESSURE.....INPUT.....TRANSPORTATION.....OTHER.....

SEVERITIES OF TRANSPORTATION ACCIDENTS VOL 1 SUMMARY A1630-000

(IMPRESSION)PRESSURE.....RESPONSE.....TRANSPORTATION.....SHIP.....

SINKING SS SILVER DUVE, CRACKED WALL IN CARGO HOLD 02009-003
 SINKING GREAT LAKES BULK CARGO VESSEL SS ED FITZGERALD 02125-001

(EXPLOSION)PRESSURE.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

HYDROGEN TRANSPORT AND HANDLING EXPLOSION 01758-001
 TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS 01953-011
 COLLISION OF WINNEBAGO MOTOR HOME W/BRIDGE 1 JUL 1975 01956-015
 MOTOR HOME, RAN-OFF ROADWAY, IMPACT, FIRE, EXPLOSION 1975 02037-006

(EXPLOSION)PRESSURE.....INPUT.....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, EAST ST LOUIS, ILLINOIS - 1/22/72 01706-003
 RAIL ACCIDENT, CRETE, NEBRASKA - 2/18/69 01707-003
 RAIL ACCIDENT, HOUSTON, TEXAS - 10/19/71 01708-010
 RAIL ACCIDENT, DECATUR, ILL 19 JULY, 1974 01889-012
 RAIL ACCIDENT, BENSON, AR 24 MAY, 1973 01891-016
 RAIL ACCIDENT, HOUSTON, TEXAS 21 SEPT, 1974 01893-014
 RAIL ACCIDENT, EXPLOSION OF PRM, WENATCHEE, WI AUG 1974 01938-035

(EXPLOSION)PRESSURE.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS 01953-011
 COLLISION OF WINNEBAGO MOTOR HOME W/BRIDGE 1 JUL 1975 01956-015
 MOTOR HOME, RAN-OFF ROADWAY, IMPACT, FIRE, EXPLOSION 1975 02037-006

(EXPLOSION)PRESSURE.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, DECATUR, ILL 19 JULY, 1974 01889-012
 RAIL ACCIDENT, BENSON, AR 24 MAY, 1973 01891-016
 RAIL ACCIDENT, HOUSTON, TEXAS 21 SEPT, 1974 01893-014

.....RADIATION.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

TRAN ACCIDENT RISKS IN NUCLEAR POWER IND 1975-2020 01909-002

.....RADIATION.....INPUT.....TRANSPORTATION.....RAILROAD.....
 TRAN ACCIDENT RISKS IN NUCLEAR POWER IND SEE EDB 1989 C1990-001

.....RADIATION.....INPUT.....TRANSPORTATION.....SHIP.....
 TRAN ACCIDENT RISKS IN NUCLEAR POWER IND SEE EDB 1989 C1991-001

(LIGHTNING)RADIATION.....INPUT.....GENERAL.....OTHER.....
 VOLTAGE AND CURRENT CHARACTERISTICS OF LIGHTNING STRIKE 00464-002
 PROPERTIES OF LIGHTNING STROKES 00999-001

(LIGHTNING)RADIATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....
 LIGHTNING THREAT TO AIRCRAFT 01000-002
 LIGHTNING HAZARD TO AIRCRAFT 01415-006
 MEASUREMENT LIGHTING INDUCED VOLTAGES IN AN F4H-1 02185-130

(CRUSH)SHOCK.....INPUT.....GENERAL.....AIRCRAFT.....
 CRUSH ENVIRONMENT SMALL CONTAINERS CARRIED BY US JETS 02114-012

(CRUSH)SHOCK.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....
 SEVERITIES TRAN ACCIDENT VOL 3 MOTOR CARRIER SEE A1630 A1663-001
 SEVERITIES TRAN ACCIDENTS INVOLVING LARGE PACKAGES A2130-080
 TRUCK ACCIDENT REPORTS, NHTSA, NO. 7 01753-005
 TRUCK ACCIDENT REPORTS, NHTSA, NO. 8 01754-004
 TRUCK ACCIDENT REPORTS, NHTSA, NO. 9 01755-005
 TRUCK ACCIDENT, NHTSA, VOL. 6, NO. 10 01899-005
 TRUCK ACCIDENT, NHTSA, VOL. 6, NO. 12 01900-004
 TRUCK/PICKUP TRUCK w/CAMPER AND TRAILER COLLISION 01901-015
 TRUCK TRACTOR-TRAILER/GROUND/ROLLOVER VOL 7, NO 1 01962-004
 TRUCK TRACTOR-SPORTS VAN IMPACT VOL 7, NO 1 01963-005
 TRUCK CAR ACCIDENT, BALTIMORE, MD, ON INTERSTATE 01964-006
 TRUCK CAR ACCIDENT, REAR END UNDER-RIDE IMPACT, VOL 7 01965-006
 LUMBER TRUCK ACCIDENT-CARGO SHIFT, HARTFORD 6 DEC 1975 02027-007
 TRUCK WHEEL/CAR - TOP IMPACT NY STATE 26 NOV 1973 02031-005
 TRACTOR-TRAILER CAMPING ACCIDENT, HARDIN, KY JUN 1975 02036-004

(CRUSH)SHOCK.....INPUT.....TRANSPORTATION.....RAILROAD.....
 SEVERITIES TRAN ACCIDENT VOL 4 TRAIN SEE A1630 A1986-001
 SEVERITIES RAIL ACCIDENTS LARGE PACKAGES SEE DB A2130 A2131-001
 RAIL ACCIDENT, HOUSTON, TEXAS 21 SEPT, 1974 C1893-014

(CRUSH)SHOCK.....INPUT.....TRANSPORTATION.....OTHER.....
 SEVERITIES OF TRANSPORTATION ACCIDENTS VOL 1 SUMMARY A1630-006

(CRUSH)SHOCK.....RESPONSE.....GENERAL.....AIRCRAFT.....

CRUSH ENVIRONMENT SMALL CONTAINERS CARRIED BY US JETS G2114-J12

(CRUSH)SHOCK.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK ACCIDENT, NHTSA, VOL.6, NO.10 G1849-005
 TRUCK ACCIDENT, NHTSA, VOL.6, NO.12 G1900-004
 TRUCK/PICKUP TRUCK W/CAMPER AND TRAILER COLLISION G1901-015
 TRUCK TRACTOR-TRAILER/GROUND/ROLLOVER VOL 7, NO 1 G1962-004
 TRUCK TRACTOR-SPORTS VAN IMPACT VOL 7, NO 1 G1963-005
 TRUCK CAR ACCIDENT, BALTIMORE, MD, ON INTERSTATE G1964-006
 TRUCK CAR ACCIDENT, REAR END UNDER-RIDE IMPACT, VOL 7 G1965-006
 LUMBER TRUCK ACCIDENT-CARGO SHIFT, HARTFORD 6 DEC 1975 G2027-007
 TRUCK WHEEL/CAR - TCP IMPACT NY STATE 26 NOV 1973 G2031-005
 TRACTOR-TRAILER CAMPING ACCIDENT, HARDIN, KY JUN 1975 G2036-004

(CRUSH)SHOCK.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, HOUSTON, TEXAS, 19 OCT 1971 G1846-006
 RAIL ACCIDENT, CRESCENT CITY, 19 AUG 1970 G1847-009
 RAIL ACCIDENT, HOUSTON, TEXAS 21 SEPT, 1974 G1843-014

(IMPACT)SHOCK.....INPUT.....GENERAL.....AUTOMOBILE.....

TRUCK ACCIDENT SPEEDS A - SUMMARY G1687-002
 STATISTICAL STUDY OF TRUCK ACCIDENT SPEEDS G1648-012

(IMPACT)SHOCK.....INPUT.....GENERAL.....RAILROAD.....

FREIGHT TRAIN ACCIDENTS, NUMBER OF CARS INVOLVED G1729-007

(IMPACT)SHOCK.....INPUT.....GENERAL.....OTHER.....

APPROXIMATE DURATION OF SOME SHORT ACCELERATION LOADS G0734-001

(IMPACT)SHOCK.....INPUT.....HANDLING.....OTHER.....

IMPACTS DUE TO LARGE DROPS WHEN LOADING G0342-001
 MAXIMUM DROPS, PACKAGES IN TRANSIT G1608-004

(IMPACT)SHOCK.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

SEVERITIES TRAN ACCIDENT VOL 2 CARGO AIRCRAFT SEE 1630 A1662-001
 ANALYSIS OF DIRECTION OF LOADS IN AIRCRAFT ACCIDENTS G0751-001
 ACCELERATION OF FLOOR-AIRCRAFT CRASHES G0752-001
 ACCELERATION, AIRCRAFT CRASH-VARIOUS ANGLES OF IMPACT G0753-005
 CRASH TEST, CC-7 AIRCRAFT G1104-007
 CRASH TEST, CONSTELLATION AIRCRAFT G1105-016
 CIVIL AVIATION ACCIDENT DATA - 1962 TO 1972 G1664-009
 ANALYSIS OF CARGO A/C CRASH RECORDS CAB DATA G1668-005

(IMPACT)

.....SHOCK.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

CRASH IMPACT CONDITIONS, MULTI ENGINE TRANSPORT A/C	C1670-029
SURVEY OF A/C CRASH SURVIVABILITY, CARGO AT A/C CG	C1671-004
ACCIDENT DATA, MULTIENGINE AIRCRAFT	C1672-010
A/C ACCIDENT DC-62 SEPT 1970	C1676-003
A/C ACCIDENT MARTIN 404 OCT 1970	C1677-003
A/C ACCIDENT CONVAIR 560 DEC 1968	C1678-003
A/C ACCIDENT DEHAVILLAND DHC 16 FEB 1970	C1679-003
A/C ACCIDENT DOUGLAS C540 APRIL 1970	C1680-003
A/C ACCIDENT DC 9 JAN 1970	C1681-003
A/C ACCIDENT DC9 MAY 1970	C1682-003
A/C ACCIDENT SKYVAN SERIES 3 JULY 1970	C1683-003
A/C ACCIDENT DC9 32 SEPT 1970 SEE EDB 2159	C1684-003
A/C ACCIDENT DC8 63F SEPT 1970	C1686-003
AIRCRAFT ACCIDENT - BOEING 707 - 1/16/74	C1680-001
AIRCRAFT CRASH ENVIRONMENTS - NAVY	C1619-001
AIRCRAFT ACCIDENT - CONVAIR 600 - 9/27/73	C1620-001
AIRCRAFT MIDAIR COLLISIONS	C1622-002
AIRCRAFT DITCHING INVESTIGATION	C1623-002
A/C CRASH, B707, BOSTON, 3 NOV 1973	C1643-023
A RISK AND COMPARATIVE ANALYSIS OF NAVY AIRCRAFT DATA	C1657-001
ARMY ROTARY WING AIRCRAFT ACCIDENTS-COST STUDY 1970-71	C1655-016
FULL SCALE CRASH TEST OF A CH-47C HELICOPTER	C2024-040

(IMPACT)

.....SHOCK.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

SEVERITIES TRAN ACCIDENTS INVOLVING LARGE PACKAGES	A2130-080
TRUCK ACCIDENT ENVIRONMENT ANALYSIS TAC - STUDY	C1944-002
ACCELERATIONS, AUTOMOBILE CRASH (HEAD-ON)	00737-001
DECELERATION PATTERNS FOR AUTOMOBILE HEAD-ON COLLISIONS	00738-001
ACCIDENT REPORT, TRUCK - VENTURA, CALIFORNIA, 8-18-71	C1659-003
TRUCK ACCIDENT-NEW JERSEY 9/21/72	C1690-003
TRUCK ACCIDENT-ARIZONA 8/31/70	C1691-003
TRUCK ACCIDENT-VIRGINIA 4/13/72	C1692-003
TRUCK ACCIDENT-PENN-9/5/71	C1693-003
TRUCK ACCIDENT-GEORGIA-6/4/71	C1694-003
TRUCK ACCIDENT-FLORIDA-8/8/71	C1695-003
TRUCK ACCIDENT-VIRGINIA-3/9/72	C1696-003
TRUCK ACCIDENT-TENN-5/13/72	C1697-002
RAIL/ROAD VEHICLE ACCIDENT, OKLAHOMA - 4/5/71-SEE 1710	C1711-001
RAIL/ROAD VEHICLE ACCIDENT, NEW YORK -3/24/72	C1712-003
RAIL/ROAD VEHICLE ACCIDENT, ILLINOIS -1/24/70-SEE 1714	C1715-001
TRUCK ACCIDENT REPORTS, NHTSA, NO. 7	C1753-005
TRUCK ACCIDENT REPORTS, NHTSA, NO. 8	C1754-004
TRUCK ACCIDENT REPORTS, NHTSA, NO. 9	C1755-005
TRUCK ACCIDENT REPORTS - BOSTON UNIV., 1973	C1770-004
TRUCK ACCIDENT REPORTS - NHTSA, NO. 3	C1771-003
RAIL-HIGHWAY GRADE CROSSING ACCIDENTS, 1972 (SEE 1775)	C1776-001
RAIL-HIGHWAY GRADE CROSSING ACCIDENTS, 1973 (SEE 1777)	C1778-001
TRUCK ACCIDENT - TENNESSEE - 8/27/73	C1783-001

(IMPACT)

.....SHOCK.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK ACCIDENT - VIRGINIA - 4/13/72	01704-002
TRUCK ACCIDENT - TEXAS - 5/7/73	01705-002
TRUCK ACCIDENT - IOWA - 4/3/73	01706-001
TRUCK ACCIDENT - VIRGINIA - 3/28/74	01707-003
TRUCK ACCIDENT - MASSACHUSETTS - 10/10/74	01708-002
TRUCK/BUS ACCIDENT, NEW JERSEY, 19 OCT 1973	01745-014
TRUCK ACCIDENTS, NHTSA, FINAL REPORT	01775-019
TRUCK ACCIDENTS, NHTSA, VOLUME NO. 4	01776-003
TRUCK ACCIDENTS, NHTSA, VOLUME NO. 5	01777-004
TRUCK ACCIDENTS, NHTSA, VOLUME NO. 6	01778-000
TRUCK ACCIDENTS, NHTSA, VOLUME NO. 7	01779-006
TRUCK ACCIDENTS, NHTSA, VOLUME NO. 8	01780-011
TRUCK ACCIDENTS, NHTSA, VOLUME NO. 9	01781-014
ACCIDENTS, CANADA, RAIL CONTAINERS	01788-013
AUTO COLLISION W/AND COLLAPSE OF BRIDGE, SILOAM, NC	01752-014
TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS	01753-011
SCHOOLBUS/AUTO COLLISION/ROLLOVER, ASHLAND, OREGON	01754-017
COLLISION OF TRUCK AND BUS, NEAR HAMILTON, GA JUN 1975	01755-009
COLLISION OF WINNEBAGO MOTOR HOME W/BRIDGE 1 JUL 1975	01756-015
COLLISION OF TRUCK AND CAR, LOWINGTON, NM 3 JAN 1976	01757-000
CAR COLLISION, FRONT-TO-FRONT IMPACT TEST AT 60 MPH	01758-002
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975	01760-001
TRACTOR TRAILER/CAR/SCHOOL BUS, REAR END, ROLLOVER	01767-005
CAR BUS ACCIDENT, OVERLAND PARK, KANSAS 7 OCT 1975	01768-000
STATION WAGON/TRAIN ACCIDENT, BALTIMORE, MD DEC 1975	01769-006
TRACTOR TRAILER, REAR END AND ROLLOVER NY 1 JUL 1975	01770-005
TRUCK ACCIDENT, TIRE BLEW OUT, IMPACT, NY 21 JUN 1975	01771-005
STATION WAGON/SCHOOL BUS, HEAD ON, HAMBURG, NY SEP 1975	01772-005
TRUCK/SCHOOL BUS/TRAIN ACCIDENT, ARKANSAS 11 SEP 1975	01773-005
TRACTOR TRAILER, FRONT TO SIDE IMPACT FEB 1975	01774-006
TRUCK CAR ACCIDENT INTERSECTION, BALTIMORE, MD FEB 1975	01775-006
CAR/POLE/TRAIN SIDEWIFE IMPACT, LOS ANGELES 25 SEP 1975	01776-004
TRUCK CAR ACCIDENT, REAR END, SAN DIEGO FREEWAY JAN 1976	01777-005
UNDERIDE OVERIDE INTERVEHICULAR COLLISIONS	02002-003
TRUCK ACCIDENT, COLLISION LEFT ROADWAY WASHINGTON DC	02007-007
TRUCK/VAN/AUTO ACCIDENT LEXINGTON VA 20 AUG 1976	02013-007
TRUCK, FRONT CORNER IMPACT, CONCORD, NY 27 NOV 1973	02030-006
CAR/TRACTOR-TRAILER UNDERIDE COLLISION 13 DEC 1974	02033-004
TRUCK CAR ACCIDENT PACIFIC COAST HIGHWAY 17 JUN 1975	02039-004
WHITE FREIGHTLINER ACCIDENT VENTURA FREEWAY JUN 1975	02040-004
TRUCK TRAILER ROLLOVER, POOK BRAKES, VERNON, CA JUN 1975	02041-004
TANKTRUCK ACCIDENT, HELIUM FUEL LEAKAGE JUL 1975	02043-004
JACKKNIFING TRAILER FORCED TRACTOR INTO BRIDGE JUL 1975	02044-004
TRUCK TRAILER ACCIDENT, CARGO SHIFT, ROLLOVER AUG 1975	02045-004
CAR/TRAIN, GRADE CROSSING, DES MOINES, IOWA SEE DB 2085	02087-001
TRACTOR TRAILER COLLIDED WITH CAR BAXTER, CA 11 MAR 77	02092-007
TRACTOR/CARGO TANK TRAILER ACCIDENT, CHERNY HILL, NJ	02094-005
TANKTRUCK/RAIL GRADE CROSSING ACCIDENT SEE DB 2095	02096-001
SCHOOL BUS TRAIN GRADE CROSSING ACCIDENT SEE DB 2098	02097-001

(IMPACT)

.....SHOCK.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

TRACTOR-SEMITRAILER COLLISION MULTIPLE VEHICLES AUG 76	02112-013
MINI MOTOR HOME/CAR ACCIDENT MCALESTER, OK 14 JUL 77	02115-014
TRUCK ACCIDENT, PENETRATED BRIDGE RAIL RELEASED HM CG	02116-010
TANKTRUCK RAIL CROSSING ACCIDENT SEE DB 2203 10 MAR 75	02119-001
TRUCK RAIL CROSSING ACCIDENT SEE DB 2203 27 JAN 76	02204-001

(IMPACT)

.....SHOCK.....INPUT.....TRANSPORTATION.....RAILROAD.....

SEVERITIES TRAN ACCIDENT VOL 4 TRAIN SEE A1630	A1906-001
SEVERITIES RAIL ACCIDENTS LARGE PACKAGES SEE DB A213J	A2131-001
COLLISIONS, RAIL, HEAD ON AND REAR END	01665-006
RAIL ACCIDENT TANK CAR RUPTURE, FIRE	01675-036
TRANSPORT ACCIDENTS OF RAM 1948-1965 SEE EDB 1689	01700-011
RAIL ACCIDENT, COTULLA, TEXAS - 12/1/73	01701-001
RAIL ACCIDENT, INDIU, CALIFORNIA - 6/25/73	01702-001
RAIL ACCIDENT, SALEM, ILLINOIS - 6/10/71	01703-002
RAIL ACCIDENT, MAGUIN, ILLINOIS - 5/24/72	01704-001
RAIL ACCIDENT, TAFT, LOUISIANA - 2/21/73	01705-006
RAIL ACCIDENT, EAST ST LOUIS, ILLINOIS - 1/22/72	01706-003
RAIL ACCIDENT, CRETE, NEBRASKA - 2/18/69	01707-003
RAIL ACCIDENT, HOUSTON, TEXAS - 10/19/71	01708-010
RAIL ACCIDENT, HERNDON, PENNSYLVANIA - 3/12/72	01709-003
RAIL/ROAD VEHICLE ACCIDENT, OKLAHOMA - 4/5/71	01710-002
RAIL/ROAD VEHICLE ACCIDENT, NEW YORK - 3/24/72-SEE 1712	01713-001
RAIL/ROAD VEHICLE ACCIDENT, ILLINOIS - 1/24/70	01714-002
RAIL-HIGHWAY GRADE CROSSING ACCIDENTS, 1972	01775-002
RAIL-HIGHWAY GRADE CROSSING ACCIDENTS, 1973	01777-002
RAIL ACCIDENT, ONEONTA, NY 12 FEB, 1974	01890-012
RAIL ACCIDENT, MUSTANG, OK, 1 SEPT, 1974	01892-010
RAIL ACCIDENT, HEAD-ON, EL MONTE, CA 2 APR 1973	01925-004
RAIL ACCIDENT, HEAD-ON, LUFKIN, TEXAS 18 NOV 1973	01926-003
RAIL ACCIDENT, HEAD-ON, COEDEN, ILLINOIS 2 DEC 1973	01927-003
RAIL ACCIDENT, HEAD-ON, FLAINVIEW, TEXAS 15 DEC 1973	01928-003
RAIL ACCIDENT, HEAD-ON, ST LOUIS, MISSOURI 22 JUN 1974	01929-004
RAIL ACCIDENT, HEAD-ON, MEMPHIS, TEN 24 JAN 1975	01930-003
RAIL ACCIDENT, SIDE-ON, EARLS, TEXAS 29 NOV 1974	01931-003
RAIL ACCIDENT, OPEN SWITCH, WINDHAM, OHIO 22 NOV 1973	01932-002
RAIL ACCIDENT, KAKING, LAKE JUNCTION, NJ 17 JUN 1974	01933-004
RAIL ACCIDENT, REAR END, HURRICANE, ALASKA 5 JUL 1975	01945-012
RAIL ACCIDENT, REAR END, LEETONIA, OHIO 6 JUN 1975	01946-014
RAIL ACCIDENT, REAR END, DUFO, ILLINOIS 3 JAN 1975	01947-004
RAIL ACCIDENT, GRADE CROSSING, DEL MAR, CA 27 FEB 1974	01948-003
RAIL ACCIDENT, BROKEN RAIL, THOMPSONTOWN, PA DEC 1974	01949-002
RAIL ACCIDENT, GRADE CROSSING, TRACY, CA 9 MAR 1975	01950-015
RAIL ACCIDENT, GRADE CROSSING, ELWOOD, IL 19 NOV 1975	01951-012
RAIL ACCIDENT, UNPROTECTED GRADE CROSSING 7 FEB 1976	02010-006
RAIL ACCIDENT, DERAILMENT JARRATT VA 5 MAY 1976	02011-013
RAIL ACCIDENT, HEAD-ON 2 TRAINS PETTISVILLE OH	02012-008
AUTOMATED WHEEL-ON-THE-GROUND DERAILMENT DETECTION SYS	02017-006

(IMPACT)SHOCK.....INPUT.....TRANSPORTATION.....RAILROAD.....

BIRMINGHAM DERAILEMENT, TRACK GAGE WIDENS	16 JAN 1977	02023-002
RAIL CROSSING ACCIDENT WITH TANK TRUCK SEE EDL2028		02029-001
CAR/TRAIN-FRONT TO SIDE IMPACT UNPROTECTED CROSSING		02032-005
SCHOOL BUS-TRAIN COLLISION STRATTON, NE	8 AUG 1976	02034-006
RAIL ACCIDENT, GRADE CROSSING, DES MOINES, IOWA		02035-011
RAIL ACCIDENT, GRADE CROSSING, MARLAND, OK	15 DEC 76	02035-003
RAIL CROSSING ACCIDENT WITH SCHOOL BUS LAFAYETTE, OK		02038-004
TRAIN ACCIDENT, RAIL FAILURE, RELEASED ANHYDROUS AMMON		02109-012
TRAIN DERAILEMENT, FIRES AND EXPLOSION, BELT, MONTANA		02110-010
RAIL CROSSING ACCIDENT W/TANKTRUCK THAYER, MS	10 MAR 7	02118-004
TRAIN ACCIDENT, COLLISION W/RAIL MAIN, AZ	16 MAR 75	02120-005
RAIL ACCIDENT, REAR-END BLACK ROCK, NY	15 JUN 75	02121-004
RAIL ACCIDENT, REAR-END NEW YORK CITY, NY	29 JUL 75	02122-004
RAIL DERAILEMENT, FIRE, EXPLOSION FERTILE, MN	22 OCT 75	02123-005
RAIL ACCIDENT, HEAD-ON COAHOMA, MS	23 NOV 75	02124-003
RAIL ACCIDENT, HEAD-ON, 2 TRAINS, NEW HAVEN IN	OCT 76	02142-010
RAIL ACCIDENT, DERAILEMENT GOODMAN MS AMTRAK	30 JUN 76	02143-010
RAIL ACCIDENT, REAR-END BROOKLYN JUNCTION WV	27 JAN 76	02144-004
RAIL ACCIDENT, REAR-END SANEORN NY	27 JAN 76	02145-005
RAIL ACCIDENT, DERAILEMENT WARD AR	3 FEB 76	02146-006
RAIL ACCIDENT, REAR-END TRACK CAN DINGLE ID	1 MAR 76	02147-005
RAIL ACCIDENT, REAR-END BLAIRSVILLE PA	7 APR 76	02149-004
RAIL ACCIDENT, AMTRAK DERAILEMENT CHICAGO IL	18 OCT 76	02202-004
RAIL ACCIDENT, GRADE CROSSING GOLDEN MS	27 JAN 76	02203-006

(IMPACT)SHOCK.....INPUT.....TRANSPORTATION.....SHIP.....

IMPACT, PENETRATION, SHIP COLLISION AND GROUNDING		01550-001
COLLISION - TUG/BOAT WITH BRIDGE		01725-001
SS BAUNE COLLIDED W/TANKSHIP SS KEYTRADER	13 JAN 74	02126-001

(IMPACT)SHOCK.....INPUT.....TRANSPORTATION.....OTHER.....

SEVERITIES OF TRANSPORTATION ACCIDENTS VOL 1 SUMMARY		A1630-006
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(IMPACT)SHOCK.....RESPONSE.....HANDLING.....OTHER.....

MAXIMUM DROPS, PACKAGES IN TRANSIT		01608-004
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(IMPACT)SHOCK.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

SHOCK SPECTRA, STAGED A/C CRASH TESTS		01609-016
SURVEY OF A/C CRASH SURVIVABILITY, CARGO AT A/C CG		01671-004
A/C CRASH, 6707, BOSTON, 3 NOV 1973		01643-023
FULL SCALE CRASH TEST OF A CH-47C HELICOPTER		02024-040

(IMPACT)

.....SHOCK.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS	01668-002
TRANSPORT ACCIDENTS OF RAM 1948 TO 1965-UNITED KINGDOM	01669-011
TRUCK ACCIDENT-FLORIDA-2/8/71	01695-003
TRUCK ACCIDENTS,NHTSA,FINAL REPORT	01875-019
TRUCK ACCIDENTS,NHTSA,VOLC,NO.4	01876-003
TRUCK ACCIDENTS,NHTSA,VOLC,NO.5	01877-004
TRUCK ACCIDENTS,NHTSA,VOLC,NO.6	01878-008
TRUCK ACCIDENTS,NHTSA,VOLC,NO.7	01879-006
TRUCK ACCIDENTS,NHTSA,VOLC,NO.8	01880-011
TRUCK ACCIDENTS,NHTSA,VOLC,NO.9	01881-014
ACCIDENTS,CANADA,RAM CONTAINERS	01888-013
AUTO COLLISION W/AND COLLAPSE OF BRIDGE, SILOAM, NC	01952-014
TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS	01953-011
SCHOOLBUS/AUTO COLLISION/ROLLOVER, ASHLAND, OREGON	01954-017
COLLISION OF TRUCK AND BUS, NEAR HAMILTON, GA JUN 1975	01955-009
COLLISION OF WINNEBAGO MOTOR HOME W/BRIDGE 1 JUL 1975	01956-015
COLLISION OF TRUCK AND CAR, LOVINGTON, NM 3 JAN 1976	01957-006
CAR COLLISION, FRONT-TO-FRONT IMPACT TEST AT 60 MPH	01958-002
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975	01966-001
TRACTOR TRAILER/CAR/SCHOOL BUS, REAR END, ROLLOVER	01967-005
CAR BUS ACCIDENT, OVERLAND PARK, KANSAS 7 OCT 1975	01968-005
STATION WAGON/TRAIN ACCIDENT, BALTIMORE, MD DEC 1975	01969-006
TRACTOR TRAILER, REAR END AND ROLLOVER NY 1 JUL 1975	01970-005
TRUCK ACCIDENT, TIRE BLEW OUT, IMPACT, NY 21 JUN 1975	01971-005
STATION WAGON/SCHOOL BUS, HEAD ON, HAMBURG, NY SEP 1975	01972-005
TRUCK/SCHOOL BUS/TRAIN ACCIDENT, ARKANSAS 11 SEP 1975	01973-005
TRACTOR TRAILER, FRONT TO SIDE IMPACT FEB 1975	01974-006
TRUCK CAR ACCIDENT INTERSECTION, BALTIMORE, MD FEB 1975	01975-006
CAR/POLE/TRAIN SIDESWIFE IMPACT,LUS ANGLS 25 SEP 1975	01976-004
TRUCK CAR ACCIDENT,REAR END,SAN DIEGO FREEWAY JAN 1976	01977-005
TRUCK ACCIDENT, COLLISION LEFT ROADWAY WASHINGTON DC	02007-007
TRUCK/VAN/AUTO ACCIDENT LEXINGTON VA 20 AUG 1976	02013-007
TRUCK,FRONT CORNER IMPACT,CONCORD, NY 27 NOV 1973	02030-006
CAR/TRACTOR-TRAILER UNDERWIDE COLLISION 13 DEC 1974	02033-004
TRUCK CAR ACCIDENT PACIFIC COAST HIGHWAY 17 JUN 1975	02039-004
WHITE FREIGHTLINER ACCIDENT VENTURA FREEWAY JUN 1975	02040-004
TRUCK TRAILER ROLLOVER, POOR BRAKES, VERN.,CA JUN 1975	02041-004
TANKTRUCK ACCIDENT, HELIUM FUEL LEAKAGE JUL 1975	02043-004
JACKKNIFING TRAILER FORCED TRACTOR INTO BRIDGE JUL 1975	02044-004
TRUCK TRAILER ACCIDENT, CARGO SHIFT, ROLLOVER AUG 1975	02045-004
CAR/TRAIN, GRADE CROSSING, DES MOINES,IOWA SEE DB 2085	02087-001
TRACTOR TRAILER COLLIDED WITH CAR BAXTER,CA 11 MAR 77	02092-007
TRACTOR/CARGO TANK TRAILER ACCIDENT, CHERRY HILL,NJ	02094-005
TANKTRUCK/RAIL GRADE CROSSING ACCIDENT SEE DB 2095	02096-001
SCHOOL BUS TRAIN GRADE CROSSING ACCIDENT SEE DB 2098	02097-001
TRACTOR-SEMITRAILER COLLISION MULTIPLE VEHICLES AUG 76	02112-013
MINI MOTOR HOME/CAR ACCIDENT MCALESTER,OK 14 JUL 77	02115-014
TRUCK ACCIDENT, PENETRATED BRIDGE RAIL RELEASED HM CG	02116-010
TANKTRUCK RAIL CROSSING ACCIDENT SEE DB2118 10 MAR 75	02119-001

(IMPACT)SHOCK.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK RAIL CROSSING ACCIDENT SEE DL 2203 27 JAN 76 02204-C01

(IMPACT)SHOCK.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS SEE EDB10EC 01099-002

RAIL ACCIDENT, ONEONTA, NY 12 FEB, 1974 01090-012

RAIL ACCIDENT, MUSTANG, OK, 1 SEPT, 1974 01092-010

RAIL ACCIDENT, HEAD-ON, EL MONTE, CA 2 APR 1973 01925-004

RAIL ACCIDENT, HEAD-ON, LUFKIN, TEXAS 18 NOV 1973 01926-003

RAIL ACCIDENT, HEAD-ON, COEDEN, ILLINOIS 2 DEC 1973 01927-003

RAIL ACCIDENT, HEAD-ON, PLAINVIEW, TEXAS 15 DEC 1973 01928-003

RAIL ACCIDENT, HEAD-ON, ST LOUIS, MISSOURI 22 JUN 1974 01929-004

RAIL ACCIDENT, HEAD-ON, MEMPHIS, TEN 24 JAN 1975 01930-003

RAIL ACCIDENT, SIDE-ON, EARLS, TEXAS 29 NOV 1974 01931-003

RAIL ACCIDENT, OPEN SWITCH, WINDHAM, OHIO 22 NOV 1973 01932-002

RAIL ACCIDENT, RAKING, LAKE JUNCTION, NJ 17 JUN 1974 01933-004

RAIL ACCIDENT, REAR END, HURRICANE, ALASKA 5 JUL 1975 01945-012

RAIL ACCIDENT, REAR END, LEETONIA, OHIO 6 JUN 1975 01946-014

RAIL ACCIDENT, REAR END, DUPO, ILLINOIS 3 JAN 1975 01947-004

RAIL ACCIDENT, GRADE CROSSING, DEL MAR, CA 27 FEB 1974 01948-003

RAIL ACCIDENT, BROKEN RAIL, THOMPSONTOWN, PA DEC 1974 01949-002

RAIL ACCIDENT, GRADE CROSSING, TRACY, CA 9 MAR 1975 01950-015

RAIL ACCIDENT, GRADE CROSSING, ELWOOD, IL 19 NOV 1975 01951-012

RAIL ACCIDENT, UNPROTECTED GRADE CROSSING 7 FEB 1976 02010-006

RAIL ACCIDENT, DERAILMENT JARRATT VA 5 MAY 1976 02011-013

RAIL ACCIDENT, HEAD-ON 2 TRAINS PETTISVILLE OH 02012-008

AUTOMATED WHEEL-ON-THE-GROUND DERAILMENT DETECTION SYS 02017-006

BIRMINGHAM DERAILMENT, TRACK GAGE WIDENS 16 JAN 1977 02023-002

RAIL CROSSING ACCIDENT WITH TANK TRUCK SEE EDB2020 02029-001

CAR/TRAIN-FRONT TO SIDE IMPACT UNPROTECTED CROSSING 02032-005

SCHOOL BUS-TRAIN COLLISION STRATTON, NE 8 AUG 1976 02034-006

RAIL ACCIDENT, GRADE CROSSING, DES MOINES, IOWA 02035-011

RAIL ACCIDENT, GRADE CROSSING, MARLAND, OK 15 DEC 76 02095-008

RAIL CROSSING ACCIDENT WITH SCHOOL BUS LAFAYETTE, OR 02098-009

TRAIN ACCIDENT, RAIL FAILURE, RELEASED ANHYDROUS AMMON 02109-012

TRAIN DERAILMENT, FIRES AND EXPLOSION, BELT, MONTANA 02110-010

RAIL CROSSING ACCIDENT W/TANKTRUCK THAYER, MS 10 MAR 7 02118-004

TRAIN ACCIDENT, COLLISION W/RAIL MAIN, AZ 10 MAR 75 02120-005

RAIL ACCIDENT, REAR-END BLACK ROCK, NY 15 JUN 75 02121-004

RAIL ACCIDENT, REAR-END NEW YORK CITY, NY 29 JUL 75 02122-004

RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN 22 OCT 75 02123-005

RAIL ACCIDENT, HEAD-ON COAHOMA, MS 23 NOV 75 02124-003

RAIL ACCIDENT, HEAD-ON, 2 TRAINS, NEW HAVEN IN OCT 76 02142-010

RAIL ACCIDENT, DERAILMENT COODMAN MS AMTRAK 30 JUN 76 02143-010

RAIL ACCIDENT, REAR-END BROOKLYN JUNCTION WV 27 JAN 76 02194-004

RAIL ACCIDENT, REAR-END SANEORN NY 27 JAN 76 02195-005

RAIL ACCIDENT, DERAILMENT WARD AR 3 FEB 76 02196-006

RAIL ACCIDENT, REAR-END TRACK CAR DINGLE ID 1 MAR 76 02197-005

RAIL ACCIDENT, REAR-END BLAIRSVILLE PA 7 APR 76 02199-004

(IMPACT)SHOCK.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, AMTRAK DERAILMENT CHICAGO IL 18 OCT 76 02202-004
 RAIL ACCIDENT, GRADE CROSSING GOLDEN MS 27 JAN 76 02203-006

(IMPACT)SHOCK.....RESPONSE.....TRANSPORTATION.....SHIP.....

SS BAUNE COLLIDED W/TANKSHIP SS KEYTRADER 18 JAN 74 02126-001

.....TEMPERATURE.....INPUT.....GENERAL.....OTHER.....

TYPHOON REPORT - PACIFIC OCEAN - 1959 01802-003
 TYPHOON REPORT - PACIFIC OCEAN - 1960 01803-003
 TYPHOON REPORT - PACIFIC OCEAN - 1961 01804-003
 TYPHOON REPORT - PACIFIC OCEAN - 1962 01805-004
 TYPHOON REPORT - PACIFIC OCEAN - 1963 01806-003
 TYPHOON REPORT - PACIFIC OCEAN - 1965 01807-003

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

CRASH RESISTANT FLAMMABLE FLUIDS SYSTEM UH-1A COPTER 02001-003

(FIRE)TEMPERATURE.....INPUT.....GENERAL.....AIRCRAFT.....

AIRCRAFT ACCIDENTS INVOLVING FIRES 1963-1974 ANALYSIS 01940-002
 AIRCRAFT ACCIDENTS INVOLVING FIRES 1965-1974 SPECIAL 02135-031

(FIRE)TEMPERATURE.....INPUT.....GENERAL.....RAILROAD.....

FREIGHT TRAIN ACCIDENTS, NUMBER OF CARS INVOLVED 01729-007

(FIRE)TEMPERATURE.....INPUT.....GENERAL.....OTHER.....

FIRES, LIQUID HYDROCARBON FUEL, HEAT TRANSFER IN 00517-011
 BURNING CONDITIONS OF PETROLEUM LIQUIDS 00518-001
 FIRE EXPOSURE TESTS POLYETHYLENE/55 GAL STEEL DRUMS 02190-145

(FIRE)TEMPERATURE.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

SEVERITIES TRAN ACCIDENT VOL 2 CARGO AIRCRAFT SEE 1630 A1602-001
 CIVIL AVIATION ACCIDENT DATA - 1962 TO 1972 01604-009
 FIRE INFORMATION AIRCRAFT ACCIDENTS 01674-002
 A/C ACCIDENT MARTIN 404 OCT 1970 01677-003
 A/C ACCIDENT CONVAIR 580 DEC 1965 01678-003
 A/C ACCIDENT DOUGLAS C54D APRIL 1970 01680-003
 A/C ACCIDENT 747 12 SEPT 1970 01685-003
 A/C ACCIDENT DC8 63F SEPT 1970 01686-003
 AIRCRAFT ACCIDENT - BOEING 707 - 1/16/74 01800-001
 AIRCRAFT ACCIDENT - DC 8 - 6/20/73 01821-001
 A/C CRASH, B707, BOSTON, 3 NOV 1973 01843-023
 AIRCRAFT ACCIDENT, BOEING 727-225 24 JUN 75 02152-059
 AIRCRAFT ACCIDENT, CONVAIR VT-29D (CV-340) 09 JAN 75 02153-031

(FIRE)

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

AIRCRAFT ACCIDENT, DC-C 63F	8 SEP 70	C2159-C30
AIRCRAFT ACCIDENT, DC-C 63F	27 NOV 70	C2160-C48
AIRCRAFT ACCIDENT, DC-Y 31	11 SEP 74	C2161-040
FIRE SAFETY EVALUATION OF AIRCRAFT CARGO COMPARTMENT		C2166-056

(FIRE)

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....AUTOMOBILE.....

SEVERITIES TRAN ACCIDENT VOL 3 MOTOR CARRIER SEE A1630	A1663-001
SEVERITIES TRAN ACCIDENTS INVOLVING LARGE PACKAGES	A2150-000
FIRE TEMPERATURES-TRUCK	C0520-001
ACCIDENT REPORT, TRUCK - VENTURA, CALIFORNIA, 8-10-71	C1659-003
TRUCK ACCIDENT-VIRGINIA 4/13/72	C1692-003
TRUCK ACCIDENT-PENN-9/5/71	C1693-003
TRUCK ACCIDENT-TENN-5/15/72	C1697-002
TRUCK ACCIDENT REPORTS, NHTSA, NO. 2	C1754-004
HYDROGEN TRANSPORT AND HANDLING EXPLOSION	L1758-001
TRUCK ACCIDENT - VIRGINIA - 4/13/72	C1764-002
TRUCK ACCIDENT - TEXAS - 5/7/73	C1765-002
TRUCK ACCIDENT - MASSACHUSETTS - 10/18/73	C1768-002
ACCIDENTS, CANADA, KAM CONTAINERS	C1808-013
CAR ACCIDENT, NHTSA, VOL. 6, NO. 11	C1898-005
TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS	C1953-011
COLLISION OF WINNEBAGO MOTOR HOME W/BRIDGE 1 JUL 1975	C1956-015
TRUCK FIRE-ACCIDENT DATA - 1969	C1960-009
TRUCK FIRE-ACCIDENT DATA - 1971	C1961-011
TRUCK CAR ACCIDENT, BALTIMORE, MD, ON INTERSTATE	C1964-006
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975	C1966-001
TRUCK ACCIDENT, TRI-STATE RIG, GILA BEND AZ	C2006-006
MOTOR HOME TOWING PASSENGER CAR, FIRE, RURAL FEB 1975	C2055-004
MOTOR HOME, KAN-OFF ROADWAY, IMPACT, FIRE, EXPLOSION 1975	C2057-006
TRACTOR-TRAILER/CAR SIDESWipe RURAL KY AUG 1973	C2038-005
TRUCK CAR ACCIDENT, LANE CHANGE, LOS ANGELES JUN 1975	C2042-004
TRUCK ACCIDENT, PROPANE, OVERTURN AND FIRE 9 MAR 1972	C2078-014
TRACTOR/CARGO TANK TRAILER ACCIDENT, CHERRY HILL, NJ	C2094-005
TANKTRUCK/RAIL GRADE CROSSING ACCIDENT SEE DB 2095	C2096-001
TRACTOR-SEMITRAILER COLLISION MULTIPLE VEHICLES AUG 76	C2112-C13
TANKTRUCK RAIL CROSSING ACCIDENT SEE DB 2113 10 MAR 75	C2119-001
TRUCK ACCIDENT, GASOLINE FIRE, BEATTYVILLE KY 09/24/77	C2168-014
RISK ASSESSMENT OF TRANSPORT OF LPG	C2177-001

(FIRE)

.....TEMPERATURE.....INPUT.....TRANSPORTATION.....RAILROAD.....

SEVERITIES TRAN ACCIDENT VOL 4 TRAIN SEE A1630	A1906-001
SEVERITIES RAIL ACCIDENTS LARGE PACKAGES SEE DB A2130	A2151-001
FIRE TEMPERATURES-RAIL	C0519-001
RAIL ACCIDENT TANK CAR RUPTURE, FIRE	C1575-036
TRANSPORT ACCIDENTS OF KAM 1945-1965 SEE EDB 1609	C1700-C11
RAIL ACCIDENT, COTULLA, TEXAS - 12/1/73	C1701-001
RAIL ACCIDENT, INDIO, CALIFORNIA - 02/25/73	C1702-001

(FIRE)TEMPERATURE.....INPUT.....TRANSPORTATION.....RAILROAD.....

RAIL ACCIDENT, SALEM, ILLINOIS - 6/10/71	01703-002
RAIL ACCIDENT, MAQUIN, ILLINOIS - 5/24/72	01704-001
RAIL ACCIDENT, TAFT, LOUISIANA - 2/21/73	01705-006
RAIL ACCIDENT, EAST ST LOUIS, ILLINOIS - 1/22/74	01706-003
RAIL ACCIDENT, HOUSTON, TEXAS - 10/19/71	01708-010
RAIL ACCIDENT, HERNDON, PENNSYLVANIA - 3/12/72	01709-003
RAIL ACCIDENT, DECATUR, ILL 19 JULY, 1974	01889-012
RAIL ACCIDENT, ONEONTA, NY 12 FEB, 1974	01890-012
RAIL ACCIDENT, BENSON, AR 24 MAY, 1973	01891-016
RAIL ACCIDENT, MUSTANG, OK, 1 SEPT, 1974	01892-010
TRAIN DERAILMENT CARRYING 2 CONTAINERS OF RAM	02049-002
RAIL ACCIDENT, GRADE CROSSING, MARLAND, OK 15 DEC 76	02095-008
TRAIN DERAILMENT, FIRES AND EXPLOSION, BELT, MONTANA	02110-010
RAIL CROSSING ACCIDENT w/TANKTRUCK THAYER, MS 10 MAR 7	02118-004
RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN 22 OCT 75	02123-005
RAIL ACCIDENT, DERAILMENT GOLDONNA LA 28 DEC 77	02147-014
RAIL ACCIDENT, DERAILMENT/FIRE CALVERT TX 30 MAR 76	02198-005
RAIL ACCIDENT, DERAILMENT CLIFFORD MI 18 OCT 76	02201-003

(FIRE)TEMPERATURE.....INPUT.....TRANSPORTATION.....SHIP.....

FIRE TEMPERATURES-SHIP	00521-001
TANSHIP ACCIDENT, PENETRATION/GAS FIRE IN CARGO TANKS	02048-001
SS BAUNE COLLIDED w/TANKSHIP SS KEYTRADER 18 JAN 74	02126-001
EXPLOSION FIRE ENGULFED THE M/T ELIAS, UNLOADING APR 74	02127-003
RISK ASSESSMENT OF TRANSPORT OF LNG SEE EDB 2177	02178-001

(FIRE)TEMPERATURE.....INPUT.....TRANSPORTATION.....OTHER.....

SEVERITIES OF TRANSPORTATION ACCIDENTS VOL 1 SUMMARY	A1630-006
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(FIRE)TEMPERATURE.....RESPONSE.....TRANSPORTATION.....AIRCRAFT.....

A/C CRASH, B707, BOSTON, 3 NOV 1973	01843-023
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(FIRE)TEMPERATURE.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS	01688-002
TRANSPORT ACCIDENTS OF RAM 1948 TO 1965-UNITED KINGDOM	01689-011
ACCIDENTS, CANADA, RAM CONTAINERS	01888-013
CAR ACCIDENT, NHTSA, VOL. 6, NO. 11	01898-005
TRUCK ACCIDENT, EXPLOSION/FIRE, EAGLE PASS, TEXAS	01953-011
COLLISION OF WINNEBAGO MOTOR HOME w/BRIDGE 1 JUL 1975	01956-015
TRUCK CAR ACCIDENT, BALTIMORE, MD, ON INTERSTATE	01964-006
GASOLINE TRUCK ACCIDENT, SEATTLE, WA 4 DEC 1975	01966-001
TRUCK ACCIDENT, TRI-STATE RIG, GILA BEND AZ	02006-006
MOTOR HOME TOWING PASSENGER CAR, FIRE, RURAL FEB 1975	02035-004
MOTOR HOME, RAN-OFF ROADWAY, IMPACT, FIRE, EXPLOSION 1975	02037-006
TRACTOR-TRAILER/CAR SIDESWIPE RURAL KY AUG 1973	02038-005

(FIRE)TEMPERATURE.....RESPONSE.....TRANSPORTATION.....AUTOMOBILE.....

TRUCK CAB ACCIDENT, LANE CHANGE, LOS ANGELES JUN 1975	02042-004
TRUCK ACCIDENT, PROPANE, OVERTURN AND FIRE 9 MAR 1976	02078-014
TRACTOR/CARGO TANK TRAILER ACCIDENT, CHERRY HILL, NJ	02094-005
TANKTRUCK/RAIL GRADE CROSSING ACCIDENT SEE DB 2095	02096-001
TRACTOR-SEMITRAILER COLLISION MULTIPLE VEHICLES AUG 76	02112-013
TANKTRUCK RAIL CROSSING ACCIDENT SEE DB 2116 10 MAR 75	02119-001
TRUCK ACCIDENT, GASOLINE FIRE, BLATTYVILLE KY 07/24/77	02168-014

(FIRE)TEMPERATURE.....RESPONSE.....TRANSPORTATION.....RAILROAD.....

CARGO RESPONSE TRUCK AND RAIL ACCIDENTS SEE EDB1688	01649-002
RAIL ACCIDENT, DECATUR, ILL 14 JULY, 1974	01869-012
RAIL ACCIDENT, ONEONTA, NY 12 FEB, 1974	01890-012
RAIL ACCIDENT, BENSON, AR 24 MAY, 1973	01891-016
RAIL ACCIDENT, MUSTANG, OK, 1 SEPT, 1974	01892-010
TRAIN DERAILMENT CARRYING 2 CONTAINERS OF RAM	02049-002
RAIL ACCIDENT, GRADE CROSSING, MARLAND, OK 15 DEC 76	02095-008
TRAIN DERAILMENT, FIRES AND EXPLOSION, BELT, MONTANA	02110-010
RAIL CROSSING ACCIDENT W/TANKTRUCK THAYER, MS 10 MAR 7	02118-004
RAIL DERAILMENT, FIRE, EXPLOSION FERTILE, MN 22 OCT 75	02123-005
RAIL ACCIDENT, DERAILMENT GULDONNA LA 25 DEC 77	02147-014
RAIL ACCIDENT, DERAILMENT/FIRE CALVERT TX 30 MAR 76	02198-005
RAIL ACCIDENT, DERAILMENT CLIFFORD MI 18 OCT 76	02201-003

(FIRE)TEMPERATURE.....RESPONSE.....TRANSPORTATION.....SHIP.....

TANSHIP ACCIDENT, PENETRATION/GAS FIRE IN CARGO TANKS	02048-001
SS BAUNE COLLIDED W/TANKSHIP SS KEYTRADER 18 JAN 74	02126-001
EXPLOSION FIRE ENGULFED THE M/T ELIAS, UNLOADING APR 74	02127-003

.....VIBRATION.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

AIRCRAFT ACCIDENT, OH-114 11 JUL 75	02163-032
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.....WIND.....INPUT.....GENERAL.....OTHER.....

TROPICAL CYCLONES	01356-002
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.....WIND.....INPUT.....TRANSPORTATION.....AIRCRAFT.....

HELICOPTER DOWNWASH DATA	01760-001
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(STORM)WIND.....INPUT.....GENERAL.....OTHER.....

TORNADOS, FREQUENCY AND LOCATION - UNITED STATES	01541-011
WIND AND WAVE HEIGHTS - TROPICAL STORMS	01636-002
TYPHOON REPORT - PACIFIC OCEAN - 1959	01602-003
TYPHOON REPORT - PACIFIC OCEAN - 1960	01603-003
TYPHOON REPORT - PACIFIC OCEAN - 1961	01604-003
TYPHOON REPORT - PACIFIC OCEAN - 1962	01605-004
TYPHOON REPORT - PACIFIC OCEAN - 1963	01606-003

(STORM)

.....WIND.....INPUT.....GENERAL.....OTHER.....
TYPHOON REPORT - PACIFIC OCEAN - 1965 01607-003
TYPHOON REPORT - PACIFIC OCEAN - 1966 01608-003
TYPHOON REPORT - PACIFIC OCEAN - 1967 01609-003
TYPHOON REPORT - PACIFIC OCEAN - 1968 01610-004
TYPHOON REPORT - PACIFIC OCEAN - 1969 01611-002
TYPHOON REPORT - PACIFIC OCEAN - 1970 01612-003
TYPHOON REPORT - PACIFIC OCEAN - 1974 01613-003

(STORM)

.....WIND.....INPUT.....TRANSPORTATION.....AIRCRAFT.....
AIRCRAFT ACCIDENT, BOEING 727-224 7 AUG 75 04155-047

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