SUMMARIES

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SUMMARIES OF FOREIGN GOVERNMENT ENVIRONMENTAL REPORTS

U. S. ENVIRONMENTAL PROTECTION AGENCY
Washington, D. C. 20460

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FOREWORD

Under a series of documents exchange agreements with environmental agencies in other countries, EPA is building a collection of environmental reports issued by foreign governments and international organizations. This is a monthly announcement listing of foreign documents received through the exchange agreements.

The original documents can be obtained through the Library Systems Branch (see back page for order form). More detailed English abstracts can be provided when required. Full text translations, which are expensive, should be requested only when essential for operation of EPA programs. Translation Services Requisition form #1350-1 is used to request translations.

A computerized search system is being developed which will allow future retrieval of these summaries by:

a. country
b. subject area
   - air
   - water
   - noise
   - pesticides
   - radiation
   - solid waste management

c. type of document
   - legal/legislative/regulatory
   - management/planning
   - socio-economic

This series, devoted to summaries of government reports and other pertinent literature and focusing on the legislative, organizational, economic, and social aspects of environmental protection, supplements foreign scientific and technical literature abstracted by other EPA information services.

APTIC	PIC
SWIRS	NOISE

Ultimately, EPA plans to assemble a major collection of foreign government environments documents and to develop several approaches to the dissemination of this information to EPA staff. This announcement of documents received is the first step.

Office of Planning and Management — Office of International Activities

U. S. Environmental Protection Agency
Washington, D. C. 20460

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CANADA "NEW FEDERAL PROCEDURES MIGHT HAVE RULED OUT AIRPORT IN PICKERING." GLOBE AND MAIL

EPA
PM(A) ENGLISH 09/19/73 PGS 8 ID# 01243A
ALSO LRB
*GENERAL WATER NOISE

CANADA "DAVIS WILL RELEASE ENVIRONMENTAL DATA." TOPIC GLOBE AND MAIL
CARRUTHERS, JEFF

EPA
PM(A) ENGLISH 09/27/73 PGS 2 ID# 01244A
ALSO LRB
*GENERAL WATER

CANADA AN OVERVIEW ON AIR POLLUTION. REPRINTED FROM CHEMISTRY IN CANADA, V. 23
WINTHROP, S.O.

EPA
PM(B) ENGLISH 02/00/71 PGS 21-25 ID# 01535A
ALSO LRB, SW AND PM

THIS GENERAL ARTICLE BRIEFLY DISCUSSES THE NATURE OF AIR POLLUTION, ITS SOURCES AND EFFECTS, PRESENT CONTROL METHODS, AND ECONOMIC CONSIDERATIONS IN BRINGING IT UNDER CONTROL. THE LEGAL DEFINITIONS OF "AIR POLLUTION" AND "AIR CONTAMINANT" ARE GIVEN AND THE DIFFERENCES BETWEEN THE TERMS NOTED. THE MAJOR SOURCE IS FOUND TO BE THE COMBUSTION OF FOSSIL FUELS, WHICH PRODUCES SULFIDES (ESPECIALLY SULFUR DIOXIDE, SO2), CARBON MONOXIDE (CO), AND NITROGEN OXIDES. SOME OF THE EFFECTS OF SO2 AND CO ARE OUTLINED. UNDER THE HEADING OF ECONOMIC CONSIDERATION STUDIES CARRIED OUT IN THE UNITED STATES ARE MENTIONED. THE ARTICLE CONCLUDES WITH A BRIEF DISCUSSION OF THE NEW CANADIAN DEPARTMENT OF ENVIRONMENT, WHICH WILL HAVE RESPONSIBILITY FOR COORDINATING AND CONSOLIDATING ALL FEDERAL ANTIPOLLUTION ACTIVITIES.

COMECON "INFORMATION ON THE ACTIVITIES OF THE COUNCIL OF ECONOMIC COOPERATION IN TREATMENT OF ENVIRONMENTAL PROBLEMS." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 8, 1971
RUMYANTSEV, A. AND B. MATE

EPA
PM(A) RUSSIAN 00/00/71 PGS 161-168 ID# 01589A
ALSO ST
*GENERAL RADIATION WATER

COUNCIL OF EUROPE "THE ANTI-POLLUTION FIGHT CAN ONLY BE AN INTERNATIONAL UNDERTAKING." LE MONDE
MARGUERITE, BERNARD EPA
PM(A) FRENCH 04/02/73 PGS 24 ID# 01527A
ALSO PMP
*GENERAL WATER

CZECHOSLOVAKIA "MAY 7, 1954 DECREE NO. 24 OF THE MINISTER OF HEALTH ON THE CONTROL OF ATMOSPHERIC POLLUTION." INT. DIG. OF HLTH. LEG., V.7
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/56 PGS 41-43 ID# 01078A

THIS DECREE IS DESIGNED TO INSURE, FROM THE POINT OF VIEW OF PUBLIC HEALTH, THAT THE AIR WILL NOT BECOME POLLUTED WITH HARMFUL SUBSTANCES AND TO SECURE THE APPLICATION OF NECESSARY MEASURES AND A SURVEILLANCE OF THEIR EFFICACY. THE DECREE STIPULATES THAT THE ATMOSPHERE IN WORK PLACES AND DWELLINGS SHALL SATISFY THE BASIC SANITARY REQUIREMENTS SET BY THE CHIEF HYGIENIST AND SHALL BE PROTECTED FROM EXCESSIVE POLLUTION, PARTICULARLY DUST, SOOT, ASH, SMOKE, GAS, FUMES AND ODORS. FURTHER, IT STIPULATES THAT ANYONE WHO ERECTS OR OPERATES A FACILITY LIKELY TO HAVE AN UNFAVORABLE EFFECT ON THE ATMOSPHERE MUST APPLY ALL NECESSARY MEASURES TO CONTROL AIR POLLUTION. THE DECREE OUTLINES CONTROL MEASURES, AND AUTHORIZES THE AGENCIES OF THE HYGIENE AND EPIDEMIOLOGICAL CONTROL SERVICE (HECS) TO ESTABLISH PROTECTIVE ZONES AROUND POLLUTION-EMITTING FACILITIES. THE HECS IS CHARGED WITH THE RESPONSIBILITY OF SUPERVISING THE OBSERVANCE OF AIR-POLLUTION MEASURES AND OF DETERMINING THOSE MEASURES. THE OFFICIAL TEXT APPEARS IN SBIRKA ZAKONU, MAY 21, 1954, P. 85-86.

CZECHOSLOVAKIA "PARTICIPATION OF CZECHOSLOVAKIA IN INTERNATIONAL COOPERATION ON ENVIRONMENTAL PROTECTION." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 9, 1972
FRATRICH, I. EPA
PM(A) RUSSIAN 00/00/72 PGS 34-38 ID# 01584A
ALSO SE
*GENERAL WATER PESTICIDES

DENMARK "APRIL 26, 1972, LAW NO. 135 ON THE RESTRICTION OF THE SULFUR CONTENT, ETC. OF FUELS." INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/72 PGS 698 ID# 01441A

THIS LAW EMPOWERS THE MINISTER OF POLLUTION CONTROL TO IMPOSE RESTRICTIONS ON SULFUR AND OTHER POTENTIALLY POLLUTION SUBSTANCES IN FUELS USED IN STATIONARY INSTALLATIONS. REGULATIONS ISSUED TO IMPLEMENT THIS LAW MAY APPLY TO ONE PART OF THE COUNTRY ONLY OR BE LIMITED TO CERTAIN PERIODS OF THE YEAR, AND MAY INCLUDE REGULATIONS ON SAMPLING AS WELL AS ON THE OBLIGATION TO PROVIDE INFORMATION ON THE NATURE AND USE OF FUELS. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A, MAY 6, 1972, NO. 14, P. 228.)

AIR

FINLAND "MARCH 29, 1957 ROAD TRAFFIC ACT "O. 143." SUOMEN ASETUSKOKOELMA, V. 1957
EPA
LP(A) FINNISH 03/29/57 PGS 375-376 ID# 01104A
NOISE

THE MOTOR VEHICLE PROVISIONS OF THIS ACT FORM THE BASIS FOR REGULATIONS DESIGNED TO PREVENT NOISE ARISING FROM THE OPERATION OF AUTOMOBILES AND AIR POLLUTION FROM AUTOMOTIVE EXHAUST TO THE EXTENT THAT THE NOISE OR THE EXHAUSTS CONSTITUTE HARM.

FINLAND "JUNE 28, 1958 WORK SAFETY ACT "O. 299" SUOMEN ASETUSKOKOELMA, V. 1958
EPA
LP(A) FINNISH 06/28/58 PGS 631-638 ID# 01105A
NOISE RADIATION

THIS ACT AND THE PROVISIONS BASED ON IT ARE DESIGNED TO PROTECT THE INDIVIDUAL FROM HEALTH IMPAIRMENT DUE TO AIR POLLUTION, NOISE, AND POISONING. THE ACT INCLUDES REGULATIONS FOR WORKING AREAS, VENTILATION, LIGHTING, TEMPERATURE, MOISTURE, DRAFT, RADIATION, DUST, SMOKE, GAS, STEAM, AND OTHER FACTORS SUCH AS NOISE AND VIBRATION THAT MAY BE HARMFUL TO HEALTH. THE ACT ALSO OUTLINES PERSONAL PROTECTIVE MEASURES TO BE TAKEN.

FINLAND "JUNE 30, 1966 ORDINANCE NO. 393 CONCERNING THE COMMISSION FOR THE PROTECTION OF THE AIR AND THE PREVENTION OF NOISE." INT. DIG. OF HLTH. LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP.
EPA
LP(A) ENGLISH 00/00/68 PGS 382 ID# 01106A
NOISE

THIS ORDINANCE ESTABLISHES UNDER AEGIS OF THE MINISTRY OF THE INTERIOR A COMMISSION FOR THE PROTECTION OF THE AIR AND THE PREVENTION OF NOISE. THE COMMISSION IS COMPOSED OF A CHAIRMAN AND REPRESENTATIVES OF SEVERAL MINISTRIES AND TECHNICAL AND SCIENTIFIC INSTITUTES. THE COMMISSION SERVES AS A CONSULTATIVE BODY, SUBMITS LEGISLATIVE PROPOSALS, INITIATES AND ORGANIZES TRAINING PROGRAMS, ASSISTS OTHER AGENCIES OF GOVERNMENT CONCERNED WITH ENVIRONMENTAL PROTECTION AS REGARDS AIR AND NOISE, ENCOURAGES COOPERATION, AND MAINTAINS CONTACT WITH PERTINENT INTERNATIONAL ORGANIZATIONS. THE FINNISH/SWEDISH ORIGINAL OF THIS ORDINANCE APPEARS IN SUOMEN ASETUSKOKOELMA FINLANDS FORFATTNINGSSAMLING, 1966, P. 859-860.

FINLAND "MARCH 24, 1972 ORDINANCE NO. 248 TO AMEND THE PUBLIC HEALTH ORDINANCE."
INT. DIG. OF HLTH. LEG., V 23
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/72 PGS 715 ID# 01107A
NOISE

THIS ORDINANCE ADDS TO THE LIST OF INDUSTRIAL PLANTS SET FORTH IN THE FEBRUARY 3, 1967 PUBLIC HEALTH ORDINANCE THE FOLLOWING TYPES OF INSTALLATIONS LIKELY TO DISCHARGE SULFUR DIOXIDE, ODORS, SMOKE, DUST OR OTHER HARMFUL SUBSTANCES OR TO GENERATE EXCESSIVE NOISE: STONE-CRUSHING WORKS, QUARRIES, ASPHALT DEPOTS, AND FACTORIES. THESE INDUSTRIAL INSTALLATIONS MAY NOT BE ESTABLISHED WITHOUT APPROVAL OF THE HEALTH BOARD. THE OFFICIAL FINNISH/SWEDISH VERSION OF THIS ORDINANCE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, MARCH 30, 1972, P. 683.

FRANCE "CURRENT ENVIRONMENTAL ISSUES IN FRANCE." DEPARTMENT OF STATE AIRGRAMS,
AMEMBASSY PARIS, A-825
U.S. STATE DEPARTMENT EPA
PM(A) ENGLISH 09/20/72 PGS 1-5 ID# 01713A
ALSO LRB
*GENERAL WATER NOISE SOLID WASTE

FRANCE "300 MILLIONS FOR THE ENVIRONMENT IN 1974." LE FIGARO
EPA
PM(A) FRENCH 10/18/73 PGS 14 ID# 01714A
ALSO SR
*GENERAL

GERMANY,FED REP OF "'UMWELT' SURVEY ON PLANT COMMISSIONERS FOR ENVIRONMENTAL PROTECTION: THE PRO'S AND CON'S BALANCE THE SCALE." UMWELT
FREY, PETER EPA
PM(A) GERMAN 01/00/72 PGS 16; 18-19 ID# 01352A
ALSO LRB
*GENERAL WATER SOLID WASTE NOISE

AIR

GERMANY,FED REP OF — "BRUSSELS LAYS OUT PARAMETERS FOR ENVIRONMENTAL PROTECTION." DIE WELT

EPA

PM(A) — GERMAN — 04/13/73 PGS 13 — ID# 01526A
ALSO LRB
*GENERAL WATER

GERMANY,FED REP OF — (VDI: THE ASSOCIATION OF GERMAN ENGINEERS). 401/88/USA

EPA

ST( ) — ENGLISH — 12/00/69 PGS 1-3 — ID# 00970A
AISO IRB
NOISE

THIS MIMEOGRAPHED PUBLICATION BRIEFLY DISCUSSES THE FUNCTIONS AND ORGANIZATION OF THE VDI (VEREIN DEUTSCHER INGENIEURE/ASSOCIATION OF GERMAN ENGINEERS), WHICH PLAYS AN IMPORTANT ROLE IN COORDINATING THE INFORMATION GENERATED BY GERMAN TECHNOLOGISTS. THE VDI ALSO DEVELOPS GUIDELINES FOR ENGINEERING OPERATIONS AS WELL AS FOR MANUFACTURE OR INSTALLATION OF EQUIPMENT OR INSTRUMENTATION IN THE FIELDS OF AIR AND NOISE POLLUTION, AMONG OTHERS. SUCH GUIDELINES, ALTHOUGH NOT MANDATORY, ARE FREQUENTLY USED BY GOVERNMENT AS AUTHORITATIVE BASES FOR LEGISLATION. ONE OF THE 28 TECHNICAL DIVISION OF THE VDI IS THE CLEAN AIR COMMISSION, WHICH DEALS WITH ALL ASPECTS OF AIR POLLUTION TECHNOLOGY. IT ARRANGES AIR CONSERVATION SYMPOSIA AND EDUCATIONAL SEMINARS, GENERATES PROPOSALS FOR NEW RESEARCH AND ACQUIRES FUNDING FOR RESEARCH. THE VDI NOSIE REDUCTION COMMISSION HAS IDENTICAL FUNCTIONS IN ITS FIELD OF INTEREST.

GERMANY,FED REP OF — UMWELT: FORSCHING, GESTALTUNG, SCHUTZ (ENVIRONMENT: RESEARCH, ORGANIZATION, PROTECTION), NO. 3

EPA

ST( ) — GERMAN — 07/00/72 PGS 1-72 — ID# 00980A
ALSO PMA. IRB SE
*GENERAL SOLID WASTE

GERMANY,FED REP OF — "INOFFENSIVE LEAD." FRANKFURTER ALLGEMEINE ZEITUNG

EPA

ST( ) — GERMAN — 01/24/73 PGS 23 — ID# 01196A

THIS NEWSPAPER ARTICLE CLAIMS THAT ALTHOUGH TONS OF LEAD ARE EMITTED DAILY IN AUTOMOTIVE EXHAUSTS IN WEST GERMANY SERIOUS, ACUTE LEAD POISONINGS HAVE NOT OCCURRED. LEAD POISONING SYMPTOMS SUCH AS DAMAGE TO THE CENTRAL NERVOUS SYSTEM AND CRAMPS COME ABOUT ONLY AFTER THE INTAKE OF LARGE QUANTITIES OF LEAD. BUT RECENT RESEARCH HAS SHOWN THAT LEAD POISONING IS NOT ALWAYS READILY DETECTABLE AND IS DEPENDENT ON OTHER FACTORS (NOURISHMENT AND ALCOHOL CONSUMPTION, TRACE ELEMENTS ON THE BODY). THE ARTICLE ALSO STATES THAT LEAD-CONTENT MEASUREMENTS ARE OFTEN UNRELIABLE "IN VIEW OF THIS SITUATION THE QUESTION ARISES AS TO WHETHER MEDICAL RESEARCH AND PUBLIC HEALTH SERVICES ARE ACTUALLY DEVOTING THE NECESSARY ATTENTION TO LEAD THT THE PUBLIC INTEREST DEMANDS."

AIP

GERMANY,FED REP OF "HOW MUCH LEAD IS ADMISSIBLE?" DIE ZEIT, VOL. 28, NO. 13
DAHL, JUERGEN EPA
ST( ) GERMAN 03/23/73 PGS 71 ID# 01595A

THIS ARTICLE REPORTS ON UPPER THRESHOLD VALUES ON ADMISSIBLE AMOUNTS OF LEAD, ZINC AND CADMIUM IN THE AIR AS AGREED UPON BY A GROUP OF EXPERTS AT A COLLOQUIUM HELD IN DUESSELDORFF BY THE CLEAN AIR COMMISSION OF THE ASSOCIATION OF GERMAN ENGINEERS. THESE VALUES, STATED IN TERMS OF MIK (MAXIMAL IMMISSION CONCENTRATION) PER CUBIC METER OF INHALED AIR, ARE THE FIRST OF THEIR KIND ESTABLISHED AND, BECAUSE THEY ARE BASED ON INCOMPLETE KNOWLEDGE, MUST BE INVESTIGATED AND TESTED OVER A PERIOD OF AT LEAST TWO YEARS BEFORE THEIR VALIDITY CAN BE DECISIVELY ASCERTAINED. IT IS ALSO NECESSARY TO ASCERTAIN IF IT IS TECHNICALLY POSSIBLE OR ECONOMICALLY FEASIBLE TO MAKE THESE THRESHOLDS OBLIGATORY. FURTHERMORE, WHEN INVESTIGATORY WORK IS COMPLETE, IT WILL STILL BE THE TASK OF LEGISLATIVE BODIES TO GIVE THE VALUES THE STRENGTH OF LAW. THE PROBLEM ALSO REMAINS OF DETERMINING AND ENFORCING THE CORRESPONDING MAXIMAL EMISSION CONCENTRATIONS FOR THESE METALS.

GREAT BRITAIN "CLEANING UP POLLUTION IS NOW BIG BUSINESS." THE TIMES
VIELVOYE, ROGER EPA
PM(A) ENGLISH 07/05/73 PGS 28 ID# 01326A
ALSO SE AND LRB
*WATER SOLID WASTE NOISE

GREAT BRITAIN ENVIRONMENTAL POLLUTION. REPRINTED FROM SURVEY OF CURRENT AFFAIRS.
LONDON CENTRAL OFFICE OF INFORMATION EPA
PM(A) ENGLISH 00/00/71 PGS 1-7 ID# 01356A
ALSO LRB
*GENERAL WATER NOISE PESTICIDES,

GREAT BRITAIN "BRITISH INITIATIVES TO IMPROVE THE WORLD ENVIRONMENT." PRESS RELEASE NO. 632
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT EPA
PM(A) ENGLISH 05/05/73 PGS 1-3 ID# 01702A
*GENERAL WATER

AIR

JAPAN "EA BEGINS PREPARATIONS FOR ENVIRONMENTAL ASSESSMENT SYSTEM." DEPARTMENT OF STATE AIRGRAM, AMEMBASSY TOKYO, A-728
U.S. STATE DEPARTMENT EPA
PM(A) ENGLISH 08/24/73 PGS 9 ID# 01256A
WATER GENERAL

THIS RECORD, COMPILED BY THE AMERICAN EMBASSY IN TOKYO FROM JAPANESE PRESS CLIPPINGS, REVEALS THAT THE JAPANESE ENVIRONMENTAL AGENCY HAS STARTED PREPARING A CHECK LIST FOR 10 SELECTED REGIONS IN JAPAN PREPARATORY TO THE ESTABLISHMENT OF A METHODOLOGY FOR ASSESSING ENVIRONMENTAL IMPACT. AT THE SAME TIME, THE AGENCY HAS BEGUN PREPARING AN EQUATION FOR THE REGIONAL DIFFUSION OF POLLUTANTS, FOCUSING ON THE KASHIMA INDUSTRIAL COMPLEX IN IBARAKI PREFECTURE. SURVEY DATA WILL BE COLLECTED AND PROCESSED INTO A METHODOLOGY FOR ENVIRONMENTAL ASSESSMENT BEFITTING THE ACTUAL ENVIRONMENTAL SITUATION IN JAPAN.

JAPAN "ENVIRONMENT AGENCY BEGIN STUDY OF OIL CRISIS EFFECTS." JAPAN TIMES
EPA
PM(A) ENGLISH 11/09/73 PGS 3 ID# 01494A
ALSO SE
WATER

THE ENVIRONMENT AGENCY HAS STARTED A STUDY OF THE EFFECTS OF THE ENERGY CRISIS ON ENVIRONMENTAL PROTECTION, THIS NEWS ARTICLE REPORTS. THE AGENCY WANTS TO PREVENT ANY ATTEMPT BY INDUSTRY TO EXPLOIT THE ENERGY CRISIS TO INDUCE THE GOVERNMENT TO RELAX ITS CONTROLS OVER AIR AND WATER POLLUTANTS. AGENCY OFFICIALS SEE A SIMILARITY BETWEEN THE EFFORTS OF JAPANESE AND AMERICAN INDUSTRIALISTS TO HAVE ENVIRONMENTAL STANDARDS RELAXED. SOME AGENCY OFFICIALS SEE IN THE ENERGY CRISIS AN OPPORTUNITY FOR THE AGENCY TO PROVE THE SOUNDNESS OF ITS POLICY OF CHANGING THE INDUSTRIAL STRUCTURE "FROM ONE OF CONSUMING LARGE QUANTITIES OF NATURAL RESOURCES TO A KNOWLEDGE-INTENSIVE TYPE," WITH EMPHASIS ON THE DEVELOPMENT OF AN ANTI-POLLUTION TECHNOLOGY. THE DIRECTOR GENERAL OF THE ENVIRONMENT AGENCY IS REPORTED AS SAYING THAT THE GOVERNMENT WOULD CONTINUE TO PLACE PRIORITY IN THE PROTECTION OF THE ENVIRONMENT.

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, MARCH, 1973."
DEPT. OF STATE AIRGRAM, A-371
U.S. DEPT. OF STATE EPA
PM(A) ENGLISH 04/17/73 PGS 1-13 ID# 01520A
ALSO IRB, ST
*GENERAL WATER RADIATION

AIR

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, DECEMBER, 1972."
DEPT. OF STATE AIRGRAM, A-100
U.S. DEPT. OF STATE EPA
PM(A) ENGLISH 02/02/73 PGS 1-12 ID# 01525A
ALSO LRB AND ST
*GENERAL WATER PESTICIDES

JAPAN TOKYO MUNICIPAL NEWS: MONTHLY JOURNAL OF THE TOKYO METROPOLITAN GOVERNMENT, V. 20M NO. 6
EPA
PM(A) ENGLISH 07/00/70 PGS 1-3 ID# 01541A
ALSO LRB
*GENERAL WATER NOISE

JAPAN "GREAT INCREASE IN NEED FOR AND PRODUCTION OF POLLUTION CONTROL EQUIPMENT."
STATE DEPARTMENT AIRGRAM, AMEMBASSY TOKYO, NO. A 903
U.S. STATE DEPARTMENT EPA
PM(A) ENGLISH 11/13/73 PGS 1-7 ID# 01717A
ALSO IR AND SE
*GENERAL WATER

JAPAN "ENVIRONMENT POLICY PLANNING SUSPENDED." JAPAN TIMES
EPA
PM(A) ENGLISH 01/09/74 PGS 7 ID# 01765A
ALSO SE
GENERAL

THIS NEWS STORY REVEALS THAT THE JAPANESE ENVIRONMENT AGENCY HAS HAD TO SUSPEND LONG-RANGE ENVIRONMENTAL POLICY PLANNING AS A RESULT OF THE UNCERTAIN ECONOMIC CONDITIONS BROUGHT ON BY THE ENERGY CRISIS. THE AGENCY WAS INTENT ON FORMULATING A LONG-RANGE PLAN FOR ENVIRONMENTAL PROTECTION BY THE END OF FISCAL YEAR 1974. IT IS NOW APPREHENSIVE LEST THE DELAY IN PLANNING SERIOUSLY IMPAIR THE ENFORCEMENT AND CONTROL OF AIR POLLUTION. THE CENTRAL COUNCIL FOR THE CONTROL OF ENVIRONMENTAL POLLUTION, AN ADVISORY BOARD TO THE ENVIRONMENT AGENCY, WARNED IN 1972 THAT IF THE ECONOMY CONTINUES TO DEVELOP AT AN ANNUAL RATE OF 8.4% (IN REAL TERMS) SULFUR OXIDE POLLUTION WOULD INCREASE BY 1985 TO 3.6 TIMES THE 1970 LEVEL.

AIR

JAPAN — ENVIRONMENTAL POLLUTION IN OSAKA CITY

ST( ) — ENGLISH — 00/00/71 PGS 1-52 — EPA ID# 01499A
ALSO PMB
WATER NOISE

THIS BOOKLET, PREPARED BY THE ENVIRONMENT AND PUBLIC HEALTH BUREAU OF THE OSAKA MUNICIPAL GOVERNMENT, CONSISTS OF A COMPILATION OF THE RESULTS OF VARIOUS SURVEYS AND STUDIES OF POLLUTION WITHIN THE CITY AND OF THE COUNTER-MEASURES TAKEN. ITS MAJOR SUBDIVISIONS INCLUDE DISCUSSIONS OF A PLAN TO DECREASE THE SULFUR CONTENT OF FUEL USED FOR SPACE HEATING; A HEALTH SURVEY OF RESIDENTS EXPOSED TO AUTOMOTIVE EXHAUSTS; THE PROBLEM OF WATER POLLUTION AND REMEDIAL MEANS; AND A SURVEY OF WATER QUALITY AND THE SEABED IN THE VICINITY OF OSAKA; AND ENVIRONMENTAL, REGIONAL, INDUSTRIAL AND CONSTRUCTION NOISES. THE BOOKLET CONTAINS TECHNICAL DIAGRAMS AND STATISTICAL TABLES.

LUXEMBURG — "JUL 29, 1965 LAW ON CONSERVATION OF NATURE AND NATURAL RESOURCES." PASINOMIE LUXEMBOURGEOISE, V. 37.
KERSCHEN, NICOLAS, COMP.

LR(A) — FRENCH — 00/00/66 PGS 305-308 — EPA ID# 01402A
*GENERAL WATER SOLID WASTE

NETHERLANDS — MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)

ST( ) — DUTCH — 05/00/72 PGS 1-215 — EPA ID# 00934A
ALSO PMB
*GENERAL WATER PESTICIDES NOISE SOLID WASTE RADIATION

NETHERLANDS — TNO-NIEUWS (APPLIED NATURAL SCIENCE RESEARCH), V. 27, NO. 9

ST( ) — DUTCH — 09/00/72 PGS 415-516 — EPA ID# 01539A
*WATER

AIR

SPAIN
ADMINSIPATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ
PM(A) SPANISH 00/00/00 PGS 1-63 ID# 01134A
ALSO LRB
*GENERAL WATER SOLID WASTE PESTICIDES RADIATION NOISE

SWEDEN
ENVIRONMENTAL MERCURY RESEARCH IN SWEDEN
LARSSON, J.E.
ST( ) ENGLISH 06/00/70 PGS 1-47 ID# 00935A
ALSO LRB
*WATER

SWEDEN
AIR POLLUTION ACROSS NATIONAL BOUNDARIES. THE IMPACT ON THE ENVIRONMENT OF SULFUR IN AIR AND PRECIPITATION
SWEDEN. MINISTRIES OF FOREIGN AFFAIRS AND OF AGRICULTURE EPA
ST( ) ENGLISH 08/00/71 PGS 1-96 ID# 01030A

THIS STUDY, PREPARED BY THE SWEDISH PREPARATORY COMMITTEE FOR THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT, FOCUSES ON THE EFFECTS OF SULFUR EMISSIONS FROM VARIOUS INDUSTRIAL PROCESSES AND ENERGY PRODUCTION. THE STUDY ANALYZES THE EFFECT OF TWO TYPES OF SULFUR POLLUTANTS: SULFUR POLLUTANTS IN THE AIR AND THEIR EFFECT ON HEALTH, METALS, AND SULFUR DIOXIDE DAMAGE TO VEGETATION; AND ACID DEPOSITION AS IT AFFECTS SOILS, LAKES, RIVERS, AND FOREST PRODUCTIVITY. IT ESTIMATES THE COSTS AND EFFECTS OF THESE TWO POLLUTANT TYPES IN QUANTITATIVE TERMS FOR THE YEARS 1982 AND 2000. THE STUDY CONCLUDES THAT A REDUCTION WELL BELOW PRESENT LEVELS IN THE TOTAL AMOUNT OF SULFUR EMITTED IS NEEDED TO PREVENT DAMAGE CAUSED BY ACID DEPOSITS, AND THAT TO LIMIT DAMAGE TO HUMAN HEALTH, THE MONTHLY AVERAGE SHOULD BE LESS THAN 0.05 PPM. THE STUDY AVERS THAT SULFUR EMISSIONS ARE AN INTERNATIONAL PROBLEM AND URGES INTERNATIONAL AGREEMENTS.

SWEDEN
SWEDEN'S CASE STUDY FOR THE UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT
BOLIN, BERT AND OTHERS
ST( ) ENGLISH 03/00/72 PGS N.P. ID# 01035A
COVERS NORTHERN EUROPE

THIS VOLUME CONTAINS 13 INDIVIDUALLY PAGINATED REPORTS CITED IN A CASE STUDY TITLED "AIR POLLUTION ACROSS NATIONAL BOUNDARIES - THE IMPACT OF SULFUR IN AIR AND PRECIPITATION," PUT TOGETHER BY THE SWEDISH PREPARATORY COMMITTEE FOR THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT. BASED ON AN EXTENSIVE LITERATURE SURVEY AND ORIGINAL INVESTIGATION, THESE TECHNICAL REPORTS, EACH WITH A SUMMARY AND A BIBLIOGRAPHY, DISCUSS THE ATMOSPHERIC SULFUR CYCLE IN NROTHERN EUROPE, SULFATE AND ACIDIC PRECIPITATION IN NORTHERN EUROPE, SULFATE AND ACIDIC PRECIPITATION EFFECTS OF SULFUR POLLUTANTS, LONG-TERM CHANGES IN THE PH OF WATER SOURCES AND IN THE CHEMISTRY OF SOILS, LOW-COST METHODS FOR REDUCING SULFUR-DIOXIDE AND EMISSIONS, FUTURE TRENDS AND THE NEED FOR FURTHER RESEARCH ON SULFUR IN THE AIR AND ITS PRECIPITATION.

AIR

SWITZERLAND "ENVIPONMENTAI PROBLEMS DISRUPTIVE OF THE BIOLOGICAL BALANCE." WIRTSCHAFT UND RECHT, V. 24, NO. 1
PLATTNER, WILLY
EPA
PM(A) GERMAN 00/00/72 PGS 1-9 ID# 01754A
ALSO SE
*GENERAL WATER

SWITZERLAND "AIR POLLUTION." NEUE ZUERCHER ZEITUNG
GRANDJEAN, E., AND OTHERS
EPA
ST( ) GERMAN 03/13/72 PGS 25-28 ID# 00965A
ALSO LRB 37-39

THIS SECTION OF THE NEWSPAPER "NEUE ZUERCHER ZEITUNG" CONTAINS A SERIES OF ARTICLES AND DATA ON THE AIR POLLUTION PROBLEM IN SWITZERLAND AND ON THE WORLD SCENE AS A WHOLE. MAJOR TOPICS DEALT WITH ARE: THE PRINCIPAL SOURCES OF AIR POLLUTION, METEOROLOGICAL FACTORS IN THE AIR POLLUTION PROBLEM, AIR MONITORING, DUST MEASUREMENT, SPECIFIC AIR POLLUTANTS (SULFUR DIOXIDE, NITROGEN DIOXIDE, CARBON MONOXIDE, FORMALDEHYDE, EASILY LIQUEFIABLE HYDROCARBONS), AIR POLLUTION OUTSIDE OF SWITZERLAND, THRESHOLD VALUES, THE DETOXIFICATION OF AUTOMOBILE EXHAUST GASES, THE ELIMINATION OF MERCURY FROM EXHAUST GASES, FEASIBLE ALTERNATIVES TO THE RECIPROCATING ENGINE, AIR POLLUTION AND HEALTH WITH SPECIAL REFERENCE TO LONDON, MORTALITY, AND PROSPECTS AND SOLUTIONS.

USSR COUNCIL OF PROTECTION OF THE ENVIRONMENT ESTABLISHED. FBIS DAILY BROADCAST, SOVIET UNION.
EPA
PM(A) ENGLISH 01/22/73 PGS ID# 00778A
ALSO SE
*GENERAL WATER

USSR "THE 'TECHNIFICATION' OF THE ENVIRONMENT AND HUMAN HEALTH." VOPROSY FILOSOFII
TSAREGORODTSEV, G.I.
EPA
PM(A) RUSSIAN 10/00/72 PGS 59-70 ID# 01547A
ALSO SE
*GENERAL

AIR

USSR "DEVELOPMENT OF URGENT PROBLEMS IN HYGIENE IN THE RSFSR." GIGIYENA I SANITARIYA
SHITSKOVA, A.P. AND OTHERS EPA
ST( ) RUSSIAN 12/00/72 PGS 8-16 ID# 01542A
ALSO SE
WATER NOISE

THIS ARTICLE ON GENERAL HYGIENE PROBLEMS IN THE RSFSR DEVOTES CONSIDERABLE ATTENTION TO HEALTH HAZARDS ARISING FROM VARIOUS TYPES OF POLLUTION. THE AUTHORS DESCRIBE TYPES OF RESEARCH BEING CONDUCTED AT VARIOUS INSTITUTIONS. A NUMBER OF INSTITUTES ARE STUDYING THE EFFECTS OF AIR POLLUTION IN INDUSTRIAL CITIES. THE EFFECT OF AIR POLLUTION ON LIVING CONDITIONS AND THE GENERAL HEALTH OF THE POPULATION IS BEING STUDIED WITH PARTICULAR EMPHASIS ON SMALL CONCENTRATIONS OF TOXIC SUBSTANCES ALONE AND IN COMBINATION IN ORDER TO DEVELOP HYGIENIC STANDARDS AND ESTABLISH MAXIMUM SAFE CONCENTRATIONS. THE EFFECT OF DUMPING SEWAGE ON THE WATER SUPPLY IS ALSO BEING STUDIED WITH EMPHASIS ON CHEMICAL AND TOXICOLOGICAL STUDIES OF LOW CONCENTRATIONS OF CERTAIN SUBSTANCES. NOISE AND VIBRATION PATHOLOGIES AND DISEASES CAUSED BY DUST AND CHEMICAL VAPORS IN THE AIR AT INDUSTRIAL SITES ARE ALSO BEING STUDIED.

USSR "MATERIAL ON HYGIENIC STANDARDS OF TETRACYCLINES IN THE AIR." GIGIYENA I SANITARIYA
ERMAN, F. EPA
ST( ) RUSSIAN 12/00/72 PGS 33-35 ID# 01543A
ALSO IRB

BECAUSE OF THE DANGER OF POLLUTING THE AIR WITH TETRACYCLINES BY INDUSTRIES MANUFACTURING THEM, THE AUTHOR STUDIED THE BIOLOGICAL EFFECTS OF THIS ANTIBIOTIC IN ORDER TO DETERMINE MAXIMUM ALLOWABLE CONCENTRATIONS OF IT IN THE AIR IN POPULATED AREAS. GUINEA PIGS WERE SUBJECTED TO INHILATION OF DIFFERENT CONCENTRATIONS OF TETRACYCLINES FOR A PERIOD OF 98 DAYS. A WIDE VARIETY OF TESTS REFLECTING THE GENERAL TOXIC AND ALLERGENIC EFFECTS OF THE SUBSTANCES WAS PERFORMED. THE AUTHOR RECOMMENDS THAT THE MAXIMUM ALLOWABLE COMBINED CONCENTRATION OF TETRACYCLINES IN THE AIR IN RESIDENTIAL AREAS BE LIMITED TO 0.01 MG PER CUBIC METER WITH AVERAGE DAILY CONCENTRATION NOT TO EXCEED 0.006 MG PER CUBIC METER OF AIR.

USSR OCHISTKA VYBROSNYKH GAZOV (PURIFICATION OF EMITTED GASES)
VILESOV, N.G. AND KOSTYUKOVSKAYA, A.A. EPA
ST( ) RUSSIAN 00/00/71 PGS 1-194 ID# 01561A
ALSO PMB

THE AUTHORS DESCRIBE VARIOUS METHODS USED IN RECOVERY AND UTILIZATION OF SULFUR DIOXIDE FROM EMITTED GASES. A GENERAL DESCRIPTION OF PHYSICAL AND CHEMICAL PROCESSES USED IN RECOVERY OF SO2 IS PRESENTED. METHODS OF RECOVERING SO2 THROUGH ABSORPTION BY SULFITE-BISULFITE SOLUTION, BY SOLID SUBSTANCES AND OTHER ABSORBENT MATERIALS ARE DISCUSSED. OTHER METHODS OF RECOVERING SO2 INCLUDE CATALYTIC OXIDATION, AND REDUCTION OF SO2 INTO SIMPLE SULFUR AND CARBON BISULFIDE. THE AUTHORS PRESENT COMPARATIVE TECHNICOLOGICAL AND ECONOMIC EVALUATIONS OF THE VARIOUS METHODS BASED ON DATA FROM CURRENTLY OPERATING TREATMENT PLANTS. PROBLEMS IN DESIGN OF DIFFERENT APPARATUS USED IN RECOVERY OF SO2 ARE ALSO DISCUSSED.

AIR

USSR "TECHNOLOGY AND THE PRESERVATION OF THE ENVIRONMENT." PRIRODA
PARSHENKOV, SERGEY ALEKSANDROVICH EPA
ST( ) RUSSIAN 02/00/72 PGS 46-51 ID# 01573A
ALSO PMA
*GENERAL WATER

GENERAL

AUSTRIA "ENVIRONMENTAL PROTECTION IS MORE THAN A SLOGAN. THE TREASURY SHOULD PROVIDE SUPPORT." DIE PRESSE
DONNINGER, RUDOLF EPA
PM(A) GERMAN 12/18/73 PGS IX ID# 01763A
ALSO SE

THIS ESSAY DISCUSSES WAYS IN WHICH THE PRIVATE SECTOR AND THE GOVERNMENT CAN COOPERATE IN THE PREVENTION OF ENVIRONMENTAL POLLUTION AND THE EXHAUSTION OF NATURAL RESOURCES. DESPITE THE UNPOPULARITY OF ENVIRONMENTAL MEASURES AND THE LIMITATION ON THE ECONOMY THAT THEY MAY PROVOKE, THIS COOPERATION IS NECESSARY AND POSSIBLE. AMONG THE MEASURES THAT THE AUTHOR SUGGESTS ARE: LIMITATION OF AUTO EXHAUSTS THROUGH DRIVING BANS AND ENGINE MODIFICATION, TAX ADVANTAGE FOR FIRMS PURCHASING NECESSARY ANTI-POLLUTION EQUIPMENT, IMPROVING THE LONGEVITY AND DURABILITY OF CONSUMER PRODUCTS, AND CODIFICATION AND UPDATING OF THE CATALOG OF ENVIRONMENTAL PRODUCTS (SEE ID NO. 01741) PUBLISHED BY THE AUSTRIAN FEDERAL CHAMBER OF COMMERCE. THE BASES OF COOPERATION BETWEEN THE PRIVATE SECTOR AND THE GOVERNMENT EXIST, THE AUTHOR STATES, AND HE CITES SEVERAL EXAMPLES.

CANADA "OPEN DOOR ON ENVIRONMENT." GLOBE AND MAIL
EPA
PM(A) ENGLISH 09/25/73 PGS 7 ID# 01241A

THIS NEWSPAPER EDITORIAL QUESTIONS THE FULL WISDOM OF THE FOUR-STAGE PROCEDURE FOR ENVIRONMENTAL ASSESSMENT PROPOSED BY THE CANADIAN FEDERAL MINISTER OF THE ENVIRONMENT. THE MINISTER SEEKS TO AVOID THE EXPERIENCE IN THE UNITED STATES WHERE PUBLIC INVOLVEMENT IN ENVIRONMENTAL ISSUES HAS GENERATED CONFRONTATION BETWEEN WHAT THE GOVERNMENT INTERPRETS AS THE PUBLIC INTEREST AND LOCAL PRIVATE INTERESTS. THE EDITORIAL ARGUES, HOWEVER, THAT UNLESS THE GOVERNMENT IS PREPARED TO MAKE PUBLIC ALL ITS ENVIRONMENTAL STUDIES AS THEY ARE BEING CONDUCTED, THE PUBLIC WILL NEVER REALLY KNOW "WHAT CRITERIA AND THEIR INTERPRETATION TIPPED THE BALANCE OF DECISION ONE WAY OR THE OTHER" IN THE ENVIRONMENTAL ASSESSMENT OF A PROPOSED PROJECT.

GENERAL

CANADA

"PUBLIC TO BE EXCLUDED FROM FEDERAL ENVIRONMENT STUDY." GLOBE AND MAIL
WHELAN, PETER
EPA
PM(A) ENGLISH 09/24/73 PGS 5 ID# 01242A
ALSO LRB

THIS NEWS STORY REPORTS THAT THE FEDERAL MINISTER OF ENVIRONMENT INTENDS TO EXCLUDE THE PUBLIC FROM FEDERAL ENVIRONMENTAL ASSESSMENT STUDIES, CONTRARY TO THE ADVICE OF AN ENVIRONMENT MINISTRY TASK FORCE OF EXPERTS. THE MINISTER'S PLAN WOULD KEEP THE ADMINISTRATION MACHINERY ENTIRELY WITHIN THE MINISTRY WITH NO INDEPENDENT BOARD OR NO PUBLIC INPUT. THE TASK FORCE HAD RECOMMENDED A NEW ENVIRONMENTAL IMPACT ASSESSMENT ACT, AN INDEPENDENT ENVIRONMENTAL REVIEW BOARD, AND BROAD AREAS FOR PUBLIC PARTICIPATION. THE TASK FORCE RECOMMENDATIONS RESULTED FROM STUDIES OF THE EXPERIENCES OF THE PROVINCIAL GOVERNMENTS, THE UNITED STATES, GREAT BRITAIN, AND THE NETHERLANDS. THE MINISTER, BY EXCLUDING THE PUBLIC FROM ENVIRONMENTAL STUDIES, IS TRYING TO AVOID, THE ARTICLE REPORTS, THE HEATED CONFRONTATION AND POLITICAL HEADACHE THAT PUBLIC PARTICIPATION INVOLVES.

CANADA

"NEW FEDERAL PROCEDURES MIGHT HAVE RULED OUT AIRPORT IN PICKERING." GLOBE AND MAIL
EPA
PM(A) ENGLISH 09/19/73 PGS 8 ID# 01243A
ALSO LRB
WATER AIR NOISE

THIS NEWS ITEMS, BEARING AN OTTAWA DATELINE, REPORTS THAT THE FEDERAL DEPARTMENT OF THE ENVIRONMENT IS COMPLETING A NEW ENVIRONMENTAL ASSESSMENT PROCEDURE FOR CANADA THAT, HAD IT BEEN ADOPTED EARLIER, WOULD HAVE PROBABLY PREVENTED CERTAIN DEVELOPMENT PROJECTS. THE FOUR STAGES OF THE PROPOSED ASSESSMENT PROCEDURE INCLUDE: (1) A PRELIMINARY ENVIRONMENTAL ASSESSMENT BEFORE A DECISION TO PROCEED WITH A GIVEN PROJECT; (2) A MORE DETAILED ASSESSMENT, EMBRACING ALTERNATIVES, IF ANY PROBLEMS CROP UP IN THE FIRST STAGE; (3) A CONSTRUCTION-STAGE ASSESSMENT CONDUCTED AS DESIGN AND CONSTRUCTION ARE IN PROGRESS; AND (4) A POST-COMPLETION ANALYSIS TO ASCERTAIN WHAT THE EFFECTS OF THE PROJECT ARE AND TO GATHER DATA USEFUL IN FUTURE ASSESSMENTS. THIS PROCEDURE, THE CANADIAN MINISTER OF ENVIRONMENT DECLARED, IS BASED ON THE FACT THAT THE POLLUTER OR DEVELOPER MUST PAY AND THAT FUTURE USE OF NATURAL RESOURCES, INCLUDING LAND, AIR AND WATER, SHOULD NOT BE LIMITED BY THE FAILURE OF THE GOVERNMENT TO CONSIDER PROPOSED DEVELOPMENT PROJECTS.

GENERAL

CANADA
"DAVIS WILL RELEASE ENVIRONMENTAL DATA." TOPIC GLOBE AND MAIL
CARROTHERS, JEFF EPA
PM(A) ENGLISH 09/27/73 PGS 2 ID# 01244A
ALSO LRB
AIR WATER

THIS STORY, BEARING AN OTTAWA DATELINE, REPORTS THAT THE CANADIAN FEDERAL GOVERNMENT WILL MAKE PUBLIC DATA OBTAINED IN ALL FEDERAL ENVIRONMENTAL ASSESSMENTS. THE ANNOUNCEMENT WAS MADE BY THE FEDERAL MINISTER OF THE ENVIRONMENT JACK DAVIS. THE INFORMATION WILL BE MADE PUBLIC BEFORE DECISIONS ARE REACHED TO PROCEED WITH MAJOR FEDERAL DEVELOPMENT PROJECTS. FURTHER, THE GOVERNMENT WILL CONSIDER HOLDING PUBLIC HEARINGS ON PROJECTS OF PARTICULAR PUBLIC CONERN AND ESTABLISHING SPECIAL INDEPENDENT ADVISORY COMMITTEES FOR ASSESSING OTHER PROJECTS. IN THE CASE OF PROJECTS UNDER PROVINCIAL JURISDICTION, THE MINISTER CONTINUED, THE FEDERAL GOVERNMENT WILL TRY TO NEGOTIATE SPECIAL FEDERAL-PROVINCIAL AGREEMENTS, PERMITTING ENVIRONMENTAL ASSESSMENTS BEFORE, DURING, AND AFTER A PROJECT.

COMECON
"INFORMATION ON THE ACTIVITIES OF THE COUNCIL OF ECONOMIC COOPERATION IN TREATMENT OF ENVIRONMENTAL PROBLEMS." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 8, 1971
RUMYANTSEV, A. AND B. MATF EPA
PM(A) RUSSIAN 00/00/71 PGS 161-168 ID# 01589A
ALSO ST
AIR RADIATION WATER

THE AUTHORS OBSERVE THAT ENVIRONMENTAL PROBLEMS, CAUSED BY GROWTH OF INDUSTRY AND URBANIZATION, DEMAND SERIOUS ATTENTION IN ALL MEMBER NATIONS OF THE COUNCIL OF ECONOMIC COOPERATION (COMECON). PREVENTION OF WATER AND AIR POLLUTION IS OF PRIMARY CONCERN. THE ENVIRONMENTAL PROGRAM OF COMECON IS TO DEVELOP COOPERATION AMONG MEMBERS IN SOLVING ENVIRONMENTAL PROBLEMS, TO COORDINATE SCIENTIFIC RESEARCH AND DISTRIBUTION OF INFORMATION ON THE ENVIRONMENT, AND TO MAINTAIN CONTACT WITH OTHER INTERNATIONAL ORGANIZATIONS CONCERNED WITH ENVIRONMENTAL PROBLEMS SUCH AS THE UNITED NATIONS EUROPEAN ECONOMIC COMMISSION. THE AUTHORS, BOTH MEMBERS OF A GROUP OF WATER MANAGEMENT EXPERTS FOR THE COMECON SECRETARIAT, REVIEW THE ACTIVITIES OF THE CONFERENCE OF WATER MANAGEMENT DIRECTORS, A SPECIAL ORGAN OF COMECON CONCERNED WITH WATER POLLUTION AND MANAGEMENT PROBLEMS. THEY ALSO DESCRIBE THE ACHIEVEMENT AND GOALS OF VARIOUS SPECIAL COMMISSIONS STUDYING TECHNICAL PROBLEMS OF WATER AND AIR POLLUTION, ATOMIC ENERGY SAFETY, AND GENERAL ENVIRONMENTAL MATTERS.

GENERAL

COUNCIL OF EUROPE
PM(A)

"THE ANTI-POLLUTION FIGHT CAN ONLY BE AN INTERNATIONAL UNDERTAKING." LE MONDE
MARGUERITE, BERNARD EPA
FRENCH 04/02/73 PGS 24 ID# 01527A
ALSO PMB
AIR WATER

AN ASSESSMENT OF THE VIENNA CONFERENCE ON THE ENVIRONMENT, ATTENDED BY THE MEMBER STATES OF THE COUNCIL OF EUROPE AND OBSERVERS FROM OTHER STATES, THIS COMMENTARY OUTLINES THE ACHIEVEMENTS OF THE CONFERENCE, CHIEF OF WHICH WAS THE FACT THAT IT DEMONSTRATED THE IMPORTANCE THAT THE MEMBER STATES AND THE COUNCIL ACCORD TO THE PROTECTION OF THE ENVIRONMENT. WHILE THE ACCORDS REACHED PRIMARILY CONCERN THE PROTECTION OF FLORA AND FAUNA, THE NEED TO ESTABLISH PARKS WITHIN URBAN CENTERS, AND THE CONSERVATION OF NATURAL RESOURCES, PARTICIPANTS DID ADDRESS THEMSELVES TO THE PROBLEMS OF MAN-CAUSED POLLUTION (A SUBJECT NOT ON THE CONFERENCE AGENDA). THE AUTHOR OF THIS COMMENTARY DESCRIBES THE PARTICULAR INTEREST OF AUSTRIA IN ANTI-POLLUTION MEASURES, THE SMOG COVER OVER VIENNA WHICH SOME RELATE TO THE HIGH INCIDENCE OF SUICIDE THERE, AND OUTLINES THE POLLUTION PROBLEMS IN HUNGARY, CZECHOSLOVAKIA, AND POLAND.

CZECHOSLOVAKIA
PM(B)

VODNI HOSPODARSTVI, RADA A (WATER MANAGEMENT, SERIES A)
NOVAKOVA, JIRINA, ED. EPA
CZECH 10/00/72 PGS 241-272 ID# 00797A
*WATER

CZECHOSLOVAKIA
PM(A)

THE FUTURE OF URBAN ENVIRONMENT
KASALICKY, VACLAV EPA
ENGLISH 00/00/71 PGS 1-25 ID# 01536A

THIS PUBLICATION, A CONTRIBUTION TO THE INTERNATIONAL CONFERENCE ON ENVIRONMENTAL FUTURE, WHICH WAS HELD IN 1971, IS A BRIEF STUDY OF PROBLEMS AND PROSPECTS FOR URBAN PLANNING. MAIN TOPICS ARE: THE CITY AS AN ENVIRONMENT, THE CITY AS A COMPONENT OF A WIDER ENVIRONMENT, AND FUTURE CITIES AS ENVIRONMENTS. THE NEED FOR MORE AND BETTER PLANNING FOR SOCIETY'S NEEDS IS DISCUSSED, AND SOLUTIONS ARE OFFERED. ALTHOUGH THE FOCUS IS CHIEFLY ON CZECHOSLOVAKIA, PROBLEMS AND APPROACHES OF VARIOUS NATIONS ARE DISCUSSED. ILLUSTRATIONS AND REFERENCES ARE INCLUDED.

GENERAL

CZECHOSLOVAKIA

"PARTICIPATION OF CZECHOSLOVAKIA IN INTERNATIONAL COOPERATION ON ENVIRONMENTAL PROTECTION." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 9, 1972
PRATRICH, I.

PM(A) RUSSIAN 00/00/72 PGS 34-38 ID# C1584A EPA
ALSO SE
WATER AIR PESTICIDES

THE AUTHOR STRESSES THE SOCIALIST DUTY TO PRESERVE THE ENVIRONMENT AND ELIMINATE CONFLICTS BETWEEN MAN AND NATURE. HE REVIEWS ENVIRONMENTAL PROBLEMS AROUND THE WORLD AND IN CZECHOSLOVAKIA IN PARTICULAR, NOTING THAT THE CZECH STATE LOSES NEARLY ONE BILLION CROWNS A YEAR TO POLLUTION DAMAGE. IN SEVERAL CITIES, CONCENTRATIONS OF DUST, SOOT AND HARMFUL CHEMICALS IN THE AIR PRESENT A HEALTH HAZARD. LIKEWISE, CZECH RIVERS ARE THREATENED BY POLLUTION FROM INDUSTRIAL AND DOMESTIC SEWAGE WASTE WITH 70 PERCENT SUFFERING EXTENSIVE POLLUTION. IN 1971, THE CZECH GOVERNMENT, IN CONJUNCTION WITH THE UNITED NATIONS, ESTABLISHED IN BRATISLAVA AN ENVIRONMENTAL RESEARCH CENTER. THE CZECH ENVIRONMENTAL PROGRAM INCLUDES THE STUDY OF THE EFFECTS OF POLLUTION ON HEALTH, METHODS OF DISPERSING POLLUTION, PREDICTION OF POLLUTION PROBLEMS, REHABILITATION OF POLLUTED SOIL, SEWAGE TREATMENT AND OTHER RESEARCH. MAXIMUM ALLOWABLE CONCENTRATIONS OF HARMFUL SUBSTANCES ARE BEING REVISED AND FINES ESTABLISHED TO CONTROL VIOLATIONS OF WASTE DISCHARGE STANDARDS.

DENMARK

"JAN. 12, 1858 HEALTH REGULATIONS ACT." LOVE OG ANORDNINGER, SAMT ANDRE OFFENTLIGE KUNDGJOERELSER

LR(A) DANISH 00/00/58 PGS 509-10 ID# C1438A EPA

THIS ACT, AS AMENDED MARCH 28, 1869, REQUIRES MUNICIPALITIES TO PREPARE HEALTH REGULATIONS, UNDER WHICH THERE ARE CONTROLS AUTHORIZING LOCAL AUTHORITIES TO TAKE ACTION TO PREVENT LOCAL POLLUTION SOURCES.

DENMARK

"OCTOBER 13, 1971, ORDER NO. 460 TO AMEND THE FIELDS OF JURISDICTION OF THE MINISTRIES (MINISTRY OF POLLUTION CONTROL)." INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/72 PGS 696-97 ID# C1439A EPA EPA

THIS ORDER SETS UP A MINISTRY OF POLLUTION CONTROL WITH RESPONSIBILITY IN THE FOLLOWING AREAS: AIR POLLUTION CONTROL; SOIL POLLUTION CONTROL; NOISE CONTROL; PROTECTION OF FOODSTUFFS; PROTECTION AND UTILIZATION OF GROUNDWATER AND FRESH SURFACE WATERS, INCLUDING THE CANALIZATION OF DRAINAGE AND WASTE WATERS; PROTECTION OF THE SEA; TREATMENT OF SOLID WASTE AND SLUDGE AS WELL AS OF OIL AND CHEMICAL WASTES. JURISDICTION OVER THESE VARIOUS AREAS IS TRANSFERRED TO THE NEW MINISTRY FROM THE MINISTRIES OF THE INTERIOR, AGRICULTURE, FISHERIES, AND TRADE. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A, OCT. 30, 1971, NO. 41, P. 1250.)

GENERAL

DENMARK

"MARCH 27, 1972, ORDER NO. 108 OF THE MINISTRY OF POLLUTION CONTROL ON THE DUTIES AND POWERS OF THE ENVIRONMENT BOARD." INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP. EPA EPA

LR(A) ENGLISH 00/00/72 PGS 698 ID# 01440A

THIS ORDER ESTABLISHES AN ENVIRONMENT BOARD, UNDER THE MINISTRY OF POLLUTION CONTROL, WITH THE FOLLOWING DUTIES: REGULAR ADMINISTRATION OF POLLUTION CONTROL WITHIN CERTAIN FIELDS; ADVISING THE MINISTER OF POLLUTION CONTROL ON MATTERS PERTINENT TO THIS AREA AND GIVING ASSISTANCE TO OTHER CENTRAL AND LOCAL AUTHORITIES; EXAMINING DEVELOPMENTS RELATING TO POLLUTION AND MAKING RECOMMENDATIONS TO THE MINISTER FOR DRAFTING LEGISLATION; REMAINING INFORMED ON POLLUTION CONTROL TECHNOLOGY AND OF FOREIGN PROJECTS IN THIS AREA; CERTAIN DUTIES REGARDING THE ADMINISTRATION OF FOOD LEGISLATION; AND DUTIES INVOLVING EMERGENCY HEALTH MEASURES. CERTAIN ADMINISTRATIVE POWERS ARE TRANSFERRED TO THE BOARD FROM THE FOLLOWING MINISTRIES: INTERIOR, AGRICULTURE, FISHERIES, AND TRADE. (THE ORIGINAL TEXT OF THIS ORDER APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A, APRIL 15, 1972, NO. 11, PP. 187-190.)

FRANCE

"CURRENT ENVIRONMENTAL ISSUES IN FRANCE." DEPARTMENT OF STATE AIRGRAMS,
AMEMBASSY PARIS, A-825
U.S. STATE DEPARTMENT EPA

PM(A) ENGLISH 09/20/72 PGS 1-5 ID# 01713A
ALSO LRB
WATER AIR NOISE SOLID WASTE

THIS REPORT PROVIDES A BRIEF DESCRIPTION OF SOME OF THE IMPORTANT CURRENT ENVIRONMENTAL ISSUES AND TRENDS IN FRANCE, INCLUDING A SUMMARY OF ACHIEVMENTS IN THE AREAS OF WATER, AIR, SOLID WASTE AND NOISE. IT DEPICTS THE ATTEMPT OF FRANCE'S NEW MINISTRY FOR THE ENVIRONMENT AND THE PROTECTION TO RECODIFY A HETEROGENEOUS MASS OF EXISTING ENVIRONMENTAL LEGISLATION, TO COORDINATE A NUMBER OF INHERITED PROGRAMS, AND TO FORMULATE A COHERENT NATIONAL ENVIRONMENTAL POLICY. GOVERNMENT PROGRAMS ON INTERNAL WATER POLLUTION ARE BY FAR THE STRONGEST AND BEST ORGANIZED OF THE CURRENT ENVIRONMENTAL PROGRAMS. AIR POLLUTION, THE REPORT CONTINUES, HAS RECEIVED SOMEWHAT LESS ATTENTION AND FUNDING IN FRANCE. THE MINISTRY HAS PLACED SPECIAL EMPHASIS ON NOISE ABATEMENT, ALTHOUGH FEW PRACTICAL RESULTS ARE YET APPARENT. THE PROBLEM OF PLASTICS, BOTH AS SOLID WASTE EYESORE OR AN AIR POLLUTION HAZARD WHEN INCINERATED, HAS RECEIVED RECENT ATTENTION, AND THE DEVELOPMENT OF BIODEGRADABLE PLASTICS IS BEING STRONGLY ENCOURAGED.

GENERAL

FRANCE "300 MILLIONS FOR THE ENVIRONMENT IN 1974." LE FIGARO

EPA

PM(A) FRENCH 10/18/73 PGS 14 ID# 01714A
ALSO SE
AIR

THIS ARTICLE REPORTS ON THE 1974 BUDGET FOR THE FRENCH MINISTRY FOR THE PROTECTION OF NATURE AND THE ENVIRONMENT AND ON THE PHYSICAL CONSOLIDATION OF THE MINISTRY'S STAFF NOW DISPERSED IN VARIOUS BUILDINGS THROUGHOUT PARIS. THE 304-MILLION FRANC BUDGET REPRESENTS A 20% INCREASE OVER LAST YEAR'S. THE ARTICLE BREAKS DOWN THE INCREASE IN TERMS OF SPECIFIC PROJECTS, NOTING A 2.2 FOLD INCREASE FOR HUNTING AND FISHING, A 4.8-FOLD INCREASE FOR NATIONAL SITES AND MONUMENTS, 2.3-FOLD FOR NATIONAL PARKS. INTERVENTION AND SUPPORT FUNDS HAVE BEEN INCREASED AT THE SAME RATIO AS THE OVERALL BUDGET. THESE FUNDS, DISTRIBUTED BY THE INTERMINISTERIAL COMMITTEE, ARE INTENDED TO SUPPORT AND ENCOURAGE LOCAL JURISDICTIONS, BUT THEY MAY SIMPLY PROVIDE THE FUNDS FOR BAILING OUT FAILING OPERATIONS. AMOUNTING TO SOME 123 MILLION FRANCES, THESE FUNDS WILL MOST CERTAINLY GO FOR THE IMPROVEMENT OF URBAN AREAS, GREEN AREAS, AND ATMOSPHERIC POLLUTION, AREAS FOR WHICH SUPPORT WAS INADEQUATE IN EARLIER PLANNING.

FRANCE "INDUSTRIAL POLLUTION. A USEFUL MINISTRY." LE MONDE
THELIER, ALPHONSE

EPA

PM(A) FRENCH 10/24/73 PGS 37 ID# 01720A
ALSO LRB, SE

THIS ARTICLE CALLS FOR THE STRENGTHENING OF THE FRENCH MINISTRY FOR THE PROTECTION OF NATURE AND THE ENVIRONMENT THAT UNTIL APRIL OF THIS YEAR DEPENDED ON THE PRIME MINISTER'S OFFICE FOR ITS SUPPORT AND LIVED IN THE SHADOW OF THAT OFFICE FOR ITS FUNDS. THE DRAFT 1974 BUDGET, THE ARTICLE URGES, SHOULD BE THE VEHICLE FOR SETTING APART THIS NEW MINISTRY FROM SUCH DEPENDENCE. INDUSTRIAL LEADERS HAVE RECENTLY BECOME LESS ATTENTIVE TO GOVERNMENT DECLARATIONS ON ENVIRONMENTAL POLLUTION, PERHAPS TAKING THEIR CUE FROM OTHER MINISTRIES THAT HAVE THROUGH THEIR ACTIONS DENIGRATED THE STATURE OF THE NEW ENVIRONMENT MINISTRY. THE AUTHOR CITES SEVERAL EXAMPLES TO SUPPORT THIS CONTENTION. THE STATURE OF THE MINISTRY HAS DIMINSHED TO THE EXTENT THAT SOME ARE PUBLICLY CALLING IT A USELESS BODY.

GERMANY,FED REP OF "LISTEN HERE! FEDERAL INTERIOR MINISTER GENSCHER HAS JURISDICTIONAL PROBLEMS IN THE CABINET REGARDING A NEW FEDERAL ENVIRONMENTAL PROTECTION OFFICE." DER SPIEGEL, V. 26, NO. 15

EPA

PM(A) GERMAN 04/03/72 PGS 29 ID# 01342A
ALSO LRB

THIS ARTICLE DEALS CHIEFLY WITH THE EFFORTS OF THE FEDERAL GERMAN INTERIOR MINISTER, HANS-DIETRICH GENSCHER, TO ESTABLISH A CENTRALIZED FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION. UPON FIRST MAKING HIS SUGGESTION IN SEPTEMBER 1971, IN AN EFFORT TO BRING UNDER ONE ROOF ALL THE SCATTERED AND, TO A LARGE EXTENT, OVERLAPPING ENVIRONMENTAL PROTECTION ACTIVITIES WITHIN THE GOVERNMENT, GENSCHER MET WITH OPPOSITION FROM CABINET COLLEAGUES UNWILLING TO RELINQUISH THEIR JURISDICTION OVER CERTAIN ENVIRONMENTALLY-RELATED FUNCTIONS. GENSCHER'S DIFFICULTIES CONTINUE, DESPITE A REPORT OF THE FEDERAL ACCOUNTING OFFICE FAVORING THE ESTABLISHMENT OF A CENTRAL OFFICE. ALSO DISCUSSED ARE GENSCHER'S DIFFICULTIES IN CHOOSING THE MEMBERSHIP OF ANOTHER CENTRAL ENVIRONMENTAL GROUP, THE EXPERT ADVISORY PANEL ON ENVIRONMENTAL QUESTIONS, WHICH WAS CREATED AT THE END OF 1971.

GENERAL

GERMANY,FED REP OF

"'UMWELT' SURVEY ON PLANT COMMISSIONERS FOR ENVIRONMENTAL PROTECTION: THE PRO'S AND CON'S BALANCE THE SCALE." UMWELT

FREY, PETER

PM(A) GERMAN 01/00/72 PGS 16; 18-19 ID# 01352A EPA

ALSO IRR

AIR WATER SOLID WASTE NOISE

THIS ARTICLE REPORTS ON THE RESULTS OF A SURVEY TAKEN BY THE WEST GERMAN ENVIRONMENT JOURNAL "UMWELT" ON THE QUESTION OF WHETHER IT SHOULD BE LEGALLY REQUIRED THAT INDUSTRIAL FIRMS EMPLOY A A 'COMMISSIONER FOR THE ENVIRONMENT.' THE SURVEY WAS CONDUCTED AMONG 35 LEADING WEST GERMAN INDUSTRIAL CONCERNS, REPRESENTING VARIOUS BRANCHES OF INDUSTRY. THE RESULT WAS A NEAR BALANCE OF FAVORABLE AND UNFAVORABLE REPLIES, WITH -- OF THE 29 FIRMS GIVING DIRECT ANSWERS -- 15 ANSWERING NEGATIVELY, 13 AFFIRMATIVELY, AND ONE RESPONDING EQUIVOCALLY. THE AUTHOR OF THE ARTICLE EXCERPTS MANY OF THE REPLIES, SOME OF WHICH INDICATE WHAT THE FIRMS ARE DOING ON THEIR OWN INITIATIVE TO PREVENT POLLUTION. THE ARTICLE CONTAINS AN ORGANIZATIONAL CHART OF THE ENVIRONMENTAL PROTECTION DEPARTMENT OF THE BAYER COMPANY, WHOSE POLLUTION-CONTROL EFFORTS DATE BACK TO 1901, AND A TABLE BREAKING DOWN THE SURVEY RESPONSES BY INDUSTRIAL BRANCH. THE AUTHOR NOTES THAT THE ONLY INDUSTRIAL BRANCHES UNANIMOUS IN THEIR REJECTION OF THE SURVEY QUESTION WERE THE PETROLEUM AND ENERGY FIRMS.

GERMANY,FED REP OF

"BRUSSELS LAYS OUT PARAMETERS FOR ENVIRONMENTAL PROTECTION." DIE WELT

PM(A) GERMAN 04/13/73 PGS 13 ID# 01526A EPA

ALSO IRR

WATER AIR

COMMON ACCORDS REACHED BY THE COMMON MARKET COUNTRIES IN BRUSSELS TO PROTECT THE ENVIRONMENT DO NOT PRECLUDE INDIVIDUAL MEMBER STATES FROM ISSUING EVEN MORE STRINGENT ENVIRONMENTAL STANDARDS, ACCORDING TO THIS DISPATCH, PROVIDED THAT THESE STRICTER STANDARDS ARE NOT USED AS A PRETENSE FOR TRADE PROTECTIONISM. THE ENVIRONMENT COMMISSION OF THE EUROPEAN ECONOMIC COMMUNITY, FOLLOWING UP ON THE PARAMETERS IT HAS SET FOR ITS ENVIRONMENTAL PROTECTION PROGRAM, WILL ISSUE IN THE YEARS AHEAD CONCRETE ENVIRONMENTAL GUIDELINES AIMED AT SETTING COMMON CRITERIA AND STANDARDIZING MEASUREMENT PROCEDURES AND EQUIPMENT. COMMON ACTION WILL BE REQUIRED TO COMBAT POLLUTION OF THE SEAS, THE DISPATCH REPORTED. THE EUROPEAN COMMUNITY ALSO PLANS TO ESTABLISH AN INTERNATIONAL AUTHORITY TO ISSUE SANCTIONS AND TO MONITOR ITS ENVIRONMENTAL AGREEMENTS. ADJACENT TO THE STORY IS THE PICTURE OF A NEW FACILITY FOR THE INCINERATION OF WASTE GASES; IT CONVERTS AT TEMPERATURES AROUND 1300 DEGREE C. ORGANIC GASES AND STEAMS INTO WATER AND CARBON DIOXIDE.

GENERAL

GERMANY,FED REP OF "THE PLAN HAS BEEN PRESENTED." DIE ZEIT, VOL. 27, NO. 16
KUELZ, HELMUT R.
EPA
PM(A) GERMAN 04/21/72 PGS 67 ID# 01592A

THIS ARTICLE REVIEWS THE ENVIRONMENTAL PROTECTION PROGRAM DEVELOPED BY THE WEST GERMAN GOVERNMENT. FIRST DISCUSSED ARE THE MAJOR GOALS AND OVERALL THRUST OF THE PROGRAM: LONG-TERM ENVIRONMENTAL PLANNING; THE ESTABLISHMENT OF THE PRINCIPLE THAT POLLUTERS PAY FOR COSTS OF CLEANING UP POLLUTION; THE PROMOTION OF EFFORTS TO DO WHAT IS ENVIRONMENTALLY SOUND, ESPECIALLY IN THE DEVELOPMENT OF TECHNOLOGY; AS WELL AS THE PROMOTION OF A GENERAL ENVIRONMENTAL CONSCIOUSNESS AND INTERNATIONAL COOPERATION. ASPECTS OF THE PROGRAM RELATING TO THE FOLLOWING AREAS ARE THEN DEALT WITH: MAINTENANCE OF THE NATURAL ENVIRONMENT; WASTE DISPOSAL; PESTICIDES AND ENVIRONMENTALLY DANGEROUS CHEMICALS; WATER POLLUTION AS IT RELATES TO WATER SUPPLY AS WELL AS TO THE HIGH SEAS AND COASTAL WATERS; AND AIR AND NOISE. COSTS OF THE PROGRAM AS THEY RELATED NOT ONLY TO GOVERNMENT OUTLAYS BUT ALSO TO THE BURDEN ON THE INDIVIDUAL CITIZEN ARE ALSO DISCUSSED. IN CONCLUDING THE AUTHOR COMMENDS THE PROGRAM FOR ITS COMPLETENESS AND FOR THE OVERALL UNITY OF ITS CONCEPTION.

GERMANY,FED REP OF UMWELT; FORSCHUNG, GESTALTUNG, SCHUTZ (ENVIRONMENT: RESEARCH, ORGANIZATION, PROTECTION), NO. 3
EPA
S ( ) GERMAN 07/00/72 PGS 1-72 ID# 00980A
ALSO PMA, L&B SE
SOLID WASTE AIR

THIS ISSUE OF "UMWELT: FORSCHUNG, GESTALTUNG, SCHUTZ," (ENVIRONMENT: RESEARCH, ORGANIZATION, PROTECTION) FEATURES AN ARTICLE ON THE UN CONFERENCE ON THE HUMAN ENVIRONMENT IN STOCKHOLM AND REPRINTS THE CONFERENCE'S "DECLARATION ON THE HUMAN ENVIRONMENT." THE STUTTGART TECHNICAL FAIR ON THE ENVIRONMENT IS ALSO REPORTED ON. DISPOSAL OF SOLID WASTES ARE TREATED IN ARTICLES WHICH COMPARE THE COMPOSTING METHOD FAVORABLY WITH METHODS OF INCINERATION AND FILTRATION AND DISCUSS THE RECYCLING OF HOUSE WASTES. TWO ITEMS ON AIR POLLUTION TREAT (1) THE ELIMINATION OF CHLORINATED CARBOHYDRATES BY INCINERATION AT SEA, AND (2) REMOVAL OF FLUORINE FROM EXHAUST GAS. OTHER ARTICLES TREAT: ENVIRONMENTAL PROTECTION AS A COMMUNITY AND POLITICAL PROBLEM; EFFECTIVE PENAL SANCTIONS AGAINST POLLUTION; RESEARCH, PLANNING AND MODELS FOR THE FUTURE IN THE ENVIRONMENTAL FIELD; AND THE EUROPEAN COMMON MARKET'S ADVERSE REACTION TO THE WEST GERMAN GASOLINE LEAD LAW OF AUGUST 5, 1971.

GENERAL

GREAT BRITAIN
PM(A)

"SCOPE FOR NEW PRODUCTS IF DIRECTORS FACE THE FACTS." THE TIMES
HAWTHORNE, EDWARD EPA
ENGLISH 07/05/73 PGS 29 ID# 01325A
ALSO SR AND LRB
SOLID WASTE

INDUSTRY IN GENERAL HAS NOT YET RECOGNIZED THE NEED FOR ASSIGNING RESPONSIBILITY FOR ENVIRONMENTAL MATTERS TO BOARD MEMBERS AND TOP MANAGEMENT OFFICIALS, THE AUTHOR OF THIS ARTICLE DECLARES, ADDING THAT BRITISH INDUSTRY MAY SOON COME UNDER THE CLOSE SCRUTINY OF PROFESSIONAL ENVIRONMENTAL GROUPS AS HAS HAPPENED IN THE UNITED STATES. BASICALLY, INDUSTRY HAS TWO CHOICES: TO MAXIMIZE PROFITS WHILE WAITING FOR LEGISLATION OR PUBLIC OPINION TO COMPEL REMEDIAL ACTION OR "TO WORK OUT THE REAL ISSUES, AIM TO BE IN COMMAND OF ITS FUTURE, AND SEEK OUT OPPORTUNITIES FOR USEFUL BUSINESS." RATHER THAN TAKING THE DEFENSIVE ATTITUDE CHARACTERISTIC OF THE FIRST ALTERNATIVE, INDUSTRY SHOULD CAPITALIZE ON THE OPPORTUNITIES TO WHICH ENVIRONMENTAL CONCERN GIVES RISE. THE AUTHOR DISCUSSES MANAGERIAL PLANNING AND ORGANIZATION IN THESE TERMS, TOUCHING UPON THE UTILIZATION OF WASTES AND THE DEVELOPMENT OF NEW PRODUCTS, MATERIALS, AND PROCESSES.

GREAT BRITAIN
PM(A)

ENVIRONMENTAL POLLUTION. REPRINTED FROM SURVEY OF CURRENT AFFAIRS.
LONDON CENTRAL OFFICE OF INFORMATION EPA
ENGLISH 06/00/71 PGS 1-7 ID# 01356A
ALSO LRP
AIR WATER NOISE PESTICIDES

THIS ARTICLE, REPRODUCED FROM "SURVEY OF CURRENT AFFAIRS" AND DISTRIBUTED BY THE REFERENCE DIVISION OF THE CENTRAL OFFICE OF INFORMATION, LONDON, REVIEWS RECENT DEVELOPMENTS IN THE CONTROL OF ENVIRONMENTAL POLLUTION THROUGH 1971. FIRST CONSIDERED IS THE FIRST REPORT OF THE STANDING ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION (FEB. 1971), WHICH SUMMARIZES THE STATE OF THE ENVIRONMENT, INDICATES FUTURE TRENDS IN THE IMPORTANT POLLUTANTS, AND ASSESSES PRIORITIES FOR FUTURE ACTION ON POLLUTION. THE SECOND AND THIRD REPORTS OF THE COMMISSION (MAR. AND SEPT. 1971) DEALING WITH INDUSTRIAL POLLUTION AND POLLUTION OF ESTUARIES AND COASTAL WATERS RESPECTIVELY, ARE ALSO SUMMARIZED. OTHER DEVELOPMENTS CONSIDERED DEAL WITH: LIMITATIONS ON TRUCK SIZE, NOISE AND FUMES FROM VEHICLES, CONDITIONS FOR POTASH DEVELOPMENT, CONTROL OF FURNACE EMISSIONS, LIMITATIONS ON AIRPORT SIZE, AND LEGISLATION ON POISONOUS WASTES. AN ANNOUNCEMENT OF THE DOUBLING OF RESEARCH GRANTS FOR ENVIRONMENTAL STUDIES IS ALSO INCLUDED.

GENERAL

GREAT BRITAIN "BRITISH INITIATIVES TO IMPROVE THE WORLD ENVIRONMENT." PRESS RELEASE NO. 632
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT EPA
PM(A) ENGLISH 06/05/73 PGS 1-3 ID# 01702A
WATER AIR

THIS PRESS RELEASE REPORTS ON THREE MAJOR BRITISH INITIATIVES TO IMPROVE THE WORLD ENVIRONMENT THAT WERE REITERATED ON JUNE 5, 1973 BY THE PARLIAMENTARY UNDER SECRETARY OF STATE FOR THE ENVIRONMENT AT THE ENVIRONMENTAL POLLUTION CONTROL CONGRESS EXHIBIT HELD AT EARLS COURT. THE FIRST OF THESE IS THE BRITISH CALL AT A UN COUNCIL FOR AN EARTHWATCH PROGRAM INVOLVING REGIONAL AND GLOBAL NETWORKS, A WORLDWIDE CLEAN RIVERS PROGRAM, AND AN INTERNATIONAL REFERRAL SYSTEM TO EXCHANGE ENVIRONMENTAL DATA. THE SECOND INITIATIVE IS THE BRITISH PROPOSAL FOR A EUROPEAN COMMUNITY PROGRAM OF INTERNATIONAL REFERRAL, COLLABORATIVE SURVEYS AND MONITORING, PRODUCTION STANDARDS, CONTROL OF DISCHARGE INTO THE SEA, COOPERATIVE RESEARCH INTO THE EFFECTS OF POLLUTANTS, TECHNOLOGY EXCHANGES, SECTORAL STUDIES, AND THE HARMONIZING OF POLLUTION STATISTICS. THE THIRD INITIATIVE IS BRITAIN'S DESIRE TO LEAD IN ENVIRONMENTAL MANAGEMENT ON THE HOME FRONT. THE RELEASE CITES BRITISH ACHIEVEMENTS IN CONTROLLING ENVIRONMENTAL POLLUTION.

GREAT BRITAIN R&D ABSTRACTS JOURNAL, INDEXES, VOL. 25, NOS. 1-12, JANUARY - JUNE 1972, PART 1
EPA
ST( ) ENGLISH 00/00/72 PGS 1-92 ID# 00948A

THIS PUBLICATION SERVES AS AN INDEX TO R&D ABSTRACTS JOUFNAL, A PUBLICATION OF THE TECHNOLOGY REPORTS CENTRE OF THE DEPARTMENT OF TRADE AND INDUSTRY. ITEMS ARE INDEXED BY AUTHOR, CORPORATE AUTHOR AND TITLE. ITEMS INDEXED COVER A WIDE RANGE OF SCIENTIFIC AND TECHNOLOGICAL FIELDS, INCLUDING MANY RELEVANT TO ENVIRONMENTAL CONTROL.

JAPAN "EA BEGINS PREPARATIONS FOR ENVIRONMENTAL ASSESSMENT SYSTEM." DEPARTMENT OF STATE AIRGRAM, AMEMBASSY TOKYO, A-728
U.S. STATE DEPARTMENT EPA
PP(A) ENGLISH 08/24/73 PGS 9 ID# 01256A
*EIP WATER

GENERAL

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, JANUARY, 1973."
DEPT. OF STATE AIRGRAM, A-206.
U.S. DEPT. OF STATE EPA
PM(P) ENGLISH 03/01/73 PGS 1-13 ID# 01519A
ALSO ST AND LBR
WATER

THIS AIRGRAM, PREPARED BY THE U.S. EMBASSY STAFF IN TOKYO, IS A SURVEY OF SCIENTIFIC AND TECHNICAL ARTICLES FROM THE JAPANESE PRESS, JANUARY 1973. SUMMARIZED ARTICLES INCLUDE: A PLAN FOR REORGANIZATION OF THE SCIENCE AND TECHNOLOGY AGENCY TO EMPHASIZE ENVIRONMENTAL PROTECTION; PLANS FOR A NATION-WIDE ECOLOGICAL SURVEY TO DETERMINE WHERE IMMEDIATE ENVIRONMENTAL PROTECTION MEASURES ARE NEEDED; A REPORT ON A PROPOSED LAW THAT WOULD REQUIRE REGIONAL DEVELOPMENT PROGRAMS TO BE APPROVED BY THE ENVIRONMENTAL AGENCY; A REPORT ON THE 60 PERCENT INCREASE IN ENVIRONMENTAL BUDGET FOR 1973; A REPORT ON THE PROPOSED OPENING OF A POLLUTION RESEARCH CENTER IN TSUKUBA; AN ARTICLE ON STRONGER OCEAN DUMPING REGULATIONS; A REPORT ON THE NUMBER OF PATIENTS RECOGNIZED BY THE GOVERNMENT AS POLLUTION-RELATED CASES; AND METHODS OF X-RAY ANALYSIS OF VARIOUS POLLUTANTS IN THE WATER.

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, MARCH, 1973."
DEPT. OF STATE AIRGRAM, A-371
U.S. DEPT. OF STATE EPA
PM(P) ENGLISH 04/17/73 PGS 1-13 ID# 01520A
ALSO TPE, ST
AIR WATER RADIATION

THIS AIRGRAM, PREPARED BY THE U.S. EMBASSY STAFF IN TOKYO, IS A SURVEY OF SCIENTIFIC AND TECHNICAL ARTICLES FROM THE JAPANESE PRESS, MARCH, 1973, SUMMARIZED ARTICLES ON ENVIRONMENTAL POLLUTION INCLUDE: A REPORT ON THE RULING AGAINST THE CHISSO CHEMICAL CORPORATION IN THE MINAMATA DISEASE CASE AND ITS IMPACT ON OTHER INDUSTRIES; PLANS FOR REDUCING POLLUTION IN JAPAN BY EMPHASIZING DEVELOPMENT OF KNOWLEDGE-INTENSIVE INDUSTRIES RATHER THAN HEAVY AND CHEMICAL INDUSTRIES PLANS BY THE ENVIRONMENTAL AGENCY TO MORE THAN DOUBLE THE NUMBER OF AIR POLLUTION MONITORING STATIONS BY 1977; A NEW METHOD FOR REMOVING NITROGEN OXIDES FROM STACK GAS; A NEW PROGRAM FOR CONTROL OF SULFUR OXIDE EMISSIONS; A DISCUSSION OF THE IMPACT OF THE NEW NATURAL ENVIRONMENT CONSERVATION LAW; A REPORT ON THE IMPACT OF INCREASING NUMBERS OF NUCLEAR REACTORS; DETECTION OF COBALT-60 IN USASOKO BAY; PREPARATIONS FOR LAW OF THE SEA CONFERENCE IN NEW YORK THIS YEAR.

GENERAL

JAPAN

"SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, DECEMBER, 1972."
DEPT. OF STATE AIRGRAM, A-100
U.S. DEPT. OF STATE

PM(A) ENGLISH 02/02/73 PGS 1-12 EPA ID# 01525A
ALSO LRB AND ST
WATER AIR PESTICIDES

THIS AIRGRAM, PREPARED BY THE U.S. EMBASSY STAFF IN TOKYO, IS A SURVEY OF SCIENTIFIC AND TECHNICAL ARTICLES FROM THE JAPANESE PRESS, DECEMBER, 1972. SUMMARIZED ARTICLES ON ENVIRONMENTAL POLLUTION INCLUDE: A REPORT ON PLANS FOR INDUSTRIAL REORGANIZATION TO REDUCE POLLUTION; A PROPOSAL FOR ENVIRONMENTAL POLICIES CONCERNING REGIONAL DEVELOPMENT; A REPORT ON LOCAL POLLUTION CONTROL PROGRAMS APPROVED BY THE CENTRAL GOVERNMENT IN TWELVE AREAS; STATISTICAL DATA ON LEVELS OF AIR POLLUTION IN VARIOUS CITIES IN 1971; A REPORT ON INCREASE IN NUMBER OF MARINE POLLUTION CASES AND MEASURES TAKEN TO PREVENT THEM; STATISTICAL DATA ON ANTIPOLLUTION SPENDING BY INDUSTRIES IN 1972; NEW RULES ON CAR EMISSIONS; TOLERANCE LEVEL FOR PCB IN GAS FROM INCINERATORS; DETECTION OF PCB IN MOTHERS' MILK; NEW STANDARDS FOR PESTICIDE RESIDUE IN CERTAIN FOOD ITEMS; PLANS FOR CONSTRUCTION OF A WASTE DISPOSAL PLANT IN TOKYO BAY BY 1980; A REPORT ON PATIENTS WITH POLLUTION-RELATED DISEASES.

JAPAN

TOKYO MUNICIPAL NEWS: MONTHLY JOURNAL OF THE TOKYO METROPOLITAN GOVERNMENT,
V. 20M NO. 6

PM(A) ENGLISH 07/00/70 PGS 1-3 EPA ID# 01541A
ALSO LRB
AIR WATER NOISE

THE CITED PAGES OF THIS JOURNAL CONTAIN A REVIEW OF THE REPORT TITLED "ENVIRONMENTAL DISRUPTION AND TOKYO," PUBLISHED AS A GOVERNMENT DOCUMENT BY THE TOKYO METROPOLITAN GOVERNMENT RESEARCH INSTITUTE FOR ENVIRONMENTAL PROTECTION, AND AN OUTLINE OF THE CENTRAL GOVERNMENT'S FISCAL 1969 WHITE PAPER ON ENVIRONMENTAL DISRUPTION. THE REPORT ON TOKYO IS COMMENDED FOR ITS FORTHRIGHTNESS IN PINPOINTING PROBLEMS AND RESPONSIBILITIES. ITS PURPOSE, ACCORDING TO THE JOURNAL, IS TO PROVIDE REFERENCE DATA FOR LONG-TERM REMEDIAL ACTION BY MAKING CLEAR THE ACTUAL STATE OF ENVIRONMENTAL IMBALANCE AND BY STUDYING COUNTERMEASURES. THE OUTLINE OF THE CENTRAL GOVERNMENT'S WHITE PAPER POINTS UP THOSE SECTIONS DEALING WITH AIR POLLUTION, WATER CONTAMINATION, NOISE AND LAND SUBSIDENCE AS THEY PERTAIN TO THE TOKYO AREA.

GENERAL

JAPAN "GREAT INCREASE IN NEED FOR AND PRODUCTION OF POLLUTION CONTROL EQUIPMENT." STATE DEPARTMENT AIRGRAM, AMEMBASSY TOKYO, NO. A 903
U.S. STATE DEPARTMENT EPA
PM(A) ENGLISH 11/13/73 PGS 1-7 ID# 01717A
ALSO IP AND SE
AIR WATER

THIS AIRGRAM PREPARED BY THE U.S. EMBASSY IN TOKYO REPORTS THAT JAPANESE PRODUCTION OF POLLUTION CONTROL EQUIPMENT IN FY 1972 TOTALLED 374.6 BILLION YEN, A 23.9% INCREASE OVER THE PREVIOUS YEAR. APPENDED TO THE AIRGRAM ARE THREE TABLES ON JAPANESE PRODUCTION AND PURCHASE OF POLLUTION CONTROL EQUIPMENT, A LIST OF LEADING JAPANESE MANUFACTURERS OF THIS EQUIPMENT, A LIST OF THE MAJOR LAWS OF JAPAN RELATING TO POLLUTION CONTROL, AND A TABULAR SUMMARY OF AIR POLLUTION STANDARDS, WATER POLLUTION STANDARDS, AND DRINKING-WATER STANDARDS.

JAPAN "ENVIRONMENT POLICY PLANNING SUSPENDED." JAPAN TIMES
EPA
PM(A) ENGLISH 01/09/74 PGS 7 ID# 01765A
ALSO SE
*AIR

LUXEMBURG "JUL 29, 1965 LAW ON CONSERVATION OF NATURE AND NATURAL RESOURCES." PASINOMIE LUXEMBOURGEOISE, V. 37.
KERSCHEN, NICOLAS, COMP.
EPA
LR(A) FRENCH 00/00/66 PGS 305-308 ID# 01402A
AIR WATER SOLID WASTE

CHAPTER I OF THIS LAW ESTABLISHES GENERAL CONSERVATION MEASURES. ANY CONSTRUCTION WHICH CONSTITUTES A DANGER TO CONSERVATION OF THE FLORA, FAUNA, SOIL OR SUBSOIL, ATMOSPHERE, WATERS OF THE GENERAL ENVIRONMENT IS TO BE REGULATED. PERSONS OPERATING MINES, QUARRIES OR PUBLIC WORKS ARE TO MAINTAIN THE VEGETATION COVER AS MUCH AS POSSIBLE. CUTTING OF TIMBER OR REFORESTATION OF AGRICULTURAL LAND IS ALSO REGULATED TO PREVENT AN UNFAVORABLE IMPACT ON THE ENVIRONMENT. DISPOSAL OF WASTE OR REFUSE AND ABANDONMENT OF VEHICLES ON PUBLIC ROADS OR OTHER LANDS, EXCEPT IN DESIGNATED PLACES IS FORBIDDEN. DUMPS ESTABLISHED BY INDUSTRIES OR OTHER ENTERPRISES ARE TO BE REGULATED. CHAPTER II DEALS WITH PROTECTION OF THE FAUNA AND FLORA. CHAPTER III IS CONCERNED WITH ADMINISTRATION OF THE LAW. THE MINISTRY ADMINISTERING WATERS AND FORESTS IS CHARGED WITH IMPLEMENTING THE CONSERVATION LAW. A SUPERIOR COUNCIL IS ESTABLISHED UNDER IT TO CARRY OUT THESE FUNCTIONS. CHAPTER IV ESTABLISHES PENALTIES FOR VIOLATION.

GENERAL

NETHERLANDS

MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)

ST( )

DUTCH 05/00/72 PGS 1-215 EPA ID# 00934A
ALSO PMP
AIR WATER PESTICIDES NOISE SOLID WASTE RADIATION

THIS PUBLICATION, THE RESULT OF AN INVENTORY OF DUTCH RESEARCH IN THE GENERAL AREA OF ENVIRONMENTAL MANAGEMENT UNDERTAKEN BY THE STUDY AND INFORMATION CENTER TNO FOR RESEARCH IN THE SERVICE OF ENVIRONMENTAL MANAGEMENT, LISTS OVER 1,100 ONGOING AND CURRENT PROJECTS AT OVER 350 DIFFERENT DUTCH UNIVERSITIES, TECHNICAL SCHOOLS AND OTHER RESEARCH INSTITUTIONS. PROJECTS ARE CLASSIFIED UNDER SEVEN MAJOR HEADINGS: AIR POLLUTION, SOUND CONTROL, WATER POLLUTION, SOIL POLLUTION, THE RELATIONSHIP BETWEEN ENVIRONMENT AND SAFETY, THE RELATIONSHIP BETWEEN MAN AND THE ENVIRONMENT, AND ECOLOGY. EACH ENTRY INCLUDES A BRIEF DESCRIPTION OF THE PROJECT, GIVES THE NAME OF THE INSTITUTION AT WHICH IT IS BEING CARRIED OUT AS WELL AS OF OTHER INSTITUTIONS COOPERATING IN THE RESEARCH EFFORT, AND INDICATES THE PHASE OF OPERATIONS WHICH THE PROJECT HAS REACHED. AN EXTENSIVE KEYWORD INDEX TO THE PROJECTS IS INCLUDED.

NORWAY

"AMERICAN ENVIRONMENTAL RESEARCH ALSO OF SIGNIFICANCE FOR NORWAY."

ST( )

VART LAND
GABRIELSEN, KJELL
NORWEGIAN 02/05/73 PGS 4 EPA ID# 00949A
ALSO LRE, PMA

THIS ARTICLE FROM THE NORWEGIAN NEWSPAPER "VART LAND" REPORTS ON THE REMARKS OF FORMER NORWEGIAN MINISTER OF WAGES AND PRICES, PROFESSOR OLAV GJAEREVOLL, UPON HIS RETURN FROM A TOUR OF THE UNITED STATES, DURING WHICH HE EXAMINED VARIOUS ASPECTS OF U.S EFFORTS IN THE ENVIRONMENTAL FIELD. PROFESSOR GJAEREVOLL SPEAKS VERY FAVORABLY OF U.S. EFFORTS, ESPECIALLY IN THE AREA OF ENVIRONMENTAL RESEARCH, AND MENTIONS THE ACTIVITIES OF THE COUNCIL OF ENVIRONMENTAL QUALITY AND THE ENVIRONMENTAL PROTECTION AGENCY. FURTHERMORE, HE RECOMMENDS THAT AN ENVIRONMENTAL ATTACHE BE ASSIGNED TO THE NORWEGIAN EMBASSY IN WASHINGTON. PROFESSOR GJAEREVOLL ALSO BRIEFLY DISCUSSES RECYCLING EFFORTS, THE USE OF SLUDGE FOR LAND-FILL, THE PUNISHMENT OF POLLUTERS, U.S. NATIONAL PARKS, AND THE IMPORTANCE OF PUBLIC OPINION IN THE ENVIRONMENTAL EFFORT.

OECD

SECTOR GROUP ON UNINTENDED OCCURRENCE OF CHEMICALS IN THE ENVIRONMENT: CONTROL OF MERCURY USE AND EMISSION (NR/ENV/72.41)

ST( )

ORGANISATION FOR ECONOMIC COOPERATION AND DEVELOPMENT EPA
ENGLISH 09/04/72 PGS VARIOUS ID# 01533P
ALSO IRE AND PMB

THIS DOCUMENT CONSISTS OF A COVER SHEET, TABLE OF CONTENTS, AND SEVEN SEPARATELY PAGINATED APPENDIXES. THE LATTER ARE THE APPENDIXES TO THE REPORT OF THE WORKING PARTY OF EXPERTS ON MERCURY, MADE UP OF MEMBERS FROM JAPAN, SWEDEN, CANADA, AND THE UNITED STATES. THE APPENDIXES ARE TITLED: SPECIFIC AREAS IN JAPAN SUBJECTED TO MERCURY POLLUTION COUNTERMEASURES; INDUSTRIAL LICENSING CATEGORIES SPECIFIED UNDER THE SWEDISH ENVIRONMENTAL PROTECTION LAW; REGULATIONS FOR THE CONTROL OF MERCURY IN LIQUID EFFLUENTS DISCHARGED BY CHLORALKALI PLANTS (CANADA); GUIDES TO PROVISIONAL CONTROL MEASURES AGAINST ENVIRONMENTAL POLLUTION BY MERCURY (JAPAN);COSTS OF REDUCING MERCURY CONTENT IN LIQUID EFFLUENTS AT CHLORALKALI PLANTS (SWEDEN); AN EXAMPLE OF GOOD PRACTICAL MERCURY RECOVERY TECHNOLOGY APPLIED TO A MERCURY CELL CHLORALKALI PLANT (CANADA); AND "REPORT ON THE TREATMENT OF WASTE STREAMS CONTAINING MERCURY," MINISTRY OF TRADE AND INDUSTRY, JAPAN (1971).

GENERAL

SINGAPORE
"ENVIRONMENT, THE NEW MINISTRY." THE STRAITS TIMES
YEO, JOSEPH
EPA
PM(A) ENGLISH 09/16/72 PGS 1-30 ID# 01611A

THIS ARTICLE REPORTS ON THE CREATION OF A MINISTRY OF THE ENVIRONMENT AS WELL AS ON VARIOUS SHIFTS IN THE CABINET OF SINGAPORE PRIME MINISTER LEE KUAN YEW. THE NEW MINISTRY, PLACED UNDER THE CHARGE OF THE FORMER MINISTER OF EDUCATION, INCORPORATES THE ENGINEERING SECTION OF THE MINISTRY OF PUBLIC HEALTH AND ALL THOSE DEPARTMENTS IN THE MINISTRY OF NATIONAL DEVELOPMENT CONNECTED WITH THE PREVENTION OF POLLUTION, SUCH AS SEWAGE, DRAINAGE AND OTHER RELATED MATTERS. AN EDITORIAL IN THE SAME ISSUE OF "THE STRAITS TIMES" (P. 14) CITES THE ESTABLISHMENT OF THE NEW MINISTRY AS AN INSTANCE OF THE GOVERNMENT'S EMPHASIS ON IMPROVING THE QUALITY OF LIFE IN SINGAPORE AND STRESSES THE NEED FOR DYNAMISM IN DEALING WITH ENVIRONMENTAL PROBLEMS OF WATER AND AIR POLLUTION. IT IS ALSO MENTIONED THAT SINGAPORE IS THE FIRST DEVELOPING COUNTRY TO SET UP SUCH A MINISTRY.

SOUTH AFRICA
"SOUTH AFRICA WILL NEVER BE POLLUTION-FREE -- LE GRANGE." RAND DAILY MAIL
DEVENISH, ROY
EPA
PM(A) ENGLISH 09/05/73 PGS N.P. ID# 01719A

THIS ARTICLE REPORTS THE REMARKS OF J.J. LE GRANGE, DIRECTOR OF PHYSICAL PLANNING IN THE DEPARTMENT OF PLANNING AND ENVIRONMENT, MADE ON SEPTEMBER 4, 1973 IN PRETORIA AT THE PLANNING FOR ENVIRONMENTAL CONSERVATION SYMPOSIUM. HE STATED THAT SOUTH AFRICA COULD NOT AFFORD TO HAVE A POLLUTION-FREE ENVIRONMENT BECAUSE EVERY NEW ADVANCE IN TECHNOLOGY CREATES POLLUTION PROBLEMS, AND THESE ADVANCES ARE NECESSARY TO MEET THE GROWING DEMANDS FOR HIGHER LIVING STANDARDS. THE DEPARTMENT OF PLANNING AND ENVIRONMENT STRESSES ITS COORDINATION WITH THE PRIVATE SECTOR, AS THE GOVERNMENT COULD NOT ALONE OVERCOME ENVIRONMENTAL PROBLEMS. LE GRANGE DECLARED THAT TECHNOLOGICAL ADVANCES IN THE LAST QUARTER CENTURY HAVE BROUGHT ON SUCH HIGH CONCENTRATIONS OF WASTE IN CERTAIN AREAS THAT THEY CANNOT BE ABSORBED BY THE ENVIRONMENT.

SPAIN
ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ
EPA
PM(A) SPANISH 00/00/00 PGS 1-63 ID# 01134A
ALSO LRP
AIR WATER SOLID WASTE PESTICIDES RADIATION NOISE

THIS REPORT WAS PREPARED FOR PRESENTATION AT AN INTERNATIONAL MEETING ON ADMINISTRATION AND THE ENVIRONMENT ORGANIZED BY SPAIN'S NATIONAL PUBLIC ADMINISTRATION SCHOOL IN COLLABORATION WITH THE ORGANIZATION OF ECONOMIC COOPERATION AND DEVELOPMENT. IT CONTAINS CHAPTERS ON THE FOLLOWING TOPICS: SPAIN'S NATURAL ENVIRONMENT; DEVELOPMENT AND ENVIRONMENT; ADMINISTRATIVE ORGANIZATIONS DEALING WITH THE ENVIRONMENT IN SPAIN; SPANISH LEGISLATION CONCERNING THE ENVIRONMENT; SPAIN AND INTERNATIONAL ENVIRONMENTAL LEGISLATION; AND TRAINING AND RESEARCH IN THE ENVIRONMENTAL FIELD.

GENERAL

SWEDEN

ENVIRONMENTAL PLANNING IN SWEDEN - NO. 36.
EMMELIN, LARS
LP(B) ENGLISH 01/00/73 PGS 1-6 EPA ID# C0129B
ALSO PMA

THIS ENVIRONMENTAL PLANNING ISSUE IS DEVOTED TO A REVIEW OF THE ACTUAL OPERATION OF THE ENVIRONMENT PROTECTION ACT. BRIEFLY HIGHLIGHTED ARE THE PRINCIPLES OF THIS ACT, THE GRANTING OF POLLUTION PERMITS, THE FRANCHISE BOARD FOR ENVIRONMENT POLLUTION, APPEALS AGAINST ITS DECISIONS, EXEMPTIONS AND THE LEGAL DIFFERENCES BETWEEN THOSE GRANTED BY THE ENVIRONMENT PROTECTION BOARD AND THE FRANCHISE BOARD, APPLICATION OF THE ENVIRONMENT ACT TO OLDER PLANTS, SEWAGE AND ITS DISCHARGE INTO MUNICIPAL MAINS, LOCATION OF INDUSTRY, AND PROPOSALS FOR LEGISLATIVE CHANGE. THE GENERAL TREND IN FRANCHISE BOARD DECISIONS IS THAT, GIVEN THE RAPID DEVELOPMENT OF POLLUTION-CONTROL TECHNOLOGY, THE TIME IS APPROACHING WHEN INDUSTRIAL APPLICANTS MUST SUBMIT PLANS FOR THE MODERNIZING OF POLLUTION CONTROL EQUIPMENT.

SWITZERLAND

"ENVIRONMENTAL PROBLEMS DISRUPTIVE OF THE BIOLOGICAL BALANCE." WIRTSCHAFT UND RECHT, V. 24, NO. 1
PLATTNER, WILLY
PM(A) GERMAN 00/00/72 PGS 1-9 EPA ID# 01754A
ALSO SE
AIR WATER

THIS ARTICLE SURVEYS THE GENERAL DETERIORATION OF THE WORLD ENVIRONMENT IN TERMS OF SOIL, WATER AND AIR AND CATALOGS ENVIRONMENTAL PROBLEMS IN SWITZERLAND, ESPECIALLY THOSE ARISING FROM GROWING URBANIZATION AND MOTORIZATION. THE AUTHOR SUGGESTS A LIMITATION OF INDUSTRIAL EXPANSION, FOR THE MORE PROGRESS AND PROSPERITY ACHIEVED AT THE COSTS OF MAN'S WELLBEING, THE MORE PROGRESS LOOKS LIKE REGRESSION AND PROSPERITY LIKE POVERTY.

UNITED NATIONS

"EXCERPTS FROM NATIONAL REPORTS." SWEDEN NOW. NO.2.
PM(A) ENGLISH 00/00/72 PGS 36-38 EPA ID# 00776A
ALSO SE
SOLID WASTE NOISE

EXCERPTS ARE GIVEN FROM THE NATIONAL REPORTS PREPARED BY AFGHANISTAN, INDIA, NETHERLANDS, EAST GERMANY, UKRAINIAN SSR, KENYA, CHINA, JAPAN, UNITED STATES, AND WEST GERMANY FOR THE U.N. CONFERENCE ON HUMAN ENVIRONMENT. THEY DEAL WITH SETTLEMENTS, NATURAL RESOURCES, POLLUTANTS OF WATER, AIR AND SOIL, SOCIAL DEVELOPMENT ASPECTS, AND PROPOSALS FOR INTERNATIONAL ACTION. THE EXCERPT FROM INDIA DEALS MAINLY WITH EXTINCTION OF WILDLIFE; HOLLAND IS TROUBLED BY POPULATION AND WATER POLLUTION (ESP. THE RHINE); KENYA TYPIFIES THE PROBLEMS OF DEVELOPING COUNTRIES.

GENERAL

UNITED NATIONS
"THE ENVIRONMENT CONFERENCE IN STOCKHOLM." AUSSENPOLITIK
TIMMLER, MARKUS
EPA
PM(A) GERMAN 10/00/72 PGS 618-628 ID# 01504A
ALSO SE

THIS ARTICLE BY TIMMLER DISCUSSES THE INTERNATIONAL POLITICAL ASPECTS OF THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT HELD AT STOCKHOLM IN 1972. TIMMLER DISTINGUISHES THREE MAJOR POLITICAL FACTORS THAT SHAPED THE COURSE AND RESULTS OF THE CONFERENCE: THE STANCE OF THE COMMUNIST CHINESE, THE WAY THAT THE DEVELOPING STATES BROUGHT THEIR INTERESTS TO THE FORE, AND THE RECOGNITION THAT DEVELOPING STATES AND INDUSTRIALIZED STATES DO HAVE CERTAIN PROBLEMS IN COMMON. IN THE ARTICLE HE ALSO DISCUSSES THE FAILURE OF THE SOVIET BLOC TO PARTICIPATE IN THE CONFERENCE, THE NEGOTIATIONS ON EAST GERMAN PARTICIPATION, PREPARATIONS FOR THE CONFERENCE, THE DISPLEASURE OF THE DEVELOPING STATES, AND THE QUESTION OF NUCLEAR WEAPONS. APPENDED TO THE ARTICLE ARE THE 10 POINTS OF THE PROPOSED CHINESE DECLARATION ON THE ENVIRONMENT.

UNITED NATIONS
"THE INTERNATIONAL CHARACTER OF ENVIRONMENTAL PROTECTION." AUSSENPOLITIK, V. 23
BURCHARD, HANS-JOACHIM
EPA
PM(A) GERMAN 12/00/72 PGS 740-747 ID# 01518A
ALSO SE

THIS ARTICLE BY BURCHARD EMPHASIZES THE URGENCY OF WORLDWIDE ENVIRONMENTAL MONITORING AND INFORMATION EXCHANGE TO DETECT AND CONTROL NEW ENVIRONMENTAL DANGERS. POINTING TO THE 1972 U.N. CONFERENCE ON THE HUMAN ENVIRONMENT AS A GOOD START, HE RAISES THE QUESTION WHETHER AN INTERNATIONA ENVIRONMENTAL PROGRAM WILL RESULT OR WHETHER THE MULTIPLICITY OF UNCOORDINATED NATIONAL PROGRAMS WILL CONTINUE. AS A MODEL OF REGIONAL COOPERATION, HE CITES THE EUROPEAN ECONOMIC COMMUNITY, CENTERED AROUND FOUR GOALS: CONTROL OR ELIMINATION OF HARMFUL EFFECTS ARISING FROM TECHNOLOGICAL PROGRESS, PRESERVATION OF NATURAL SOURCES OF SUPPLY THROUGH MONITORING THE ECOLOGICAL BALANCE AND PROTECTING THE BIOSPHERE, ENVIRONMENTAL PLANNING TO AVOID THE ILLS OF URBANIZATION, AND THE MANAGEMENT AND PROMOTION OF PROGRESS WITH THE VIEW OF MEETING REAL NEEDS, ESPECIALLY IN THE QUALITATIVE RESPECT.

UNITED NATIONS
MEZINARODNI ZKUSENOTSI V OBLASTI ZIVOTNIHO PROSTREDI (INTERNATIONAL COOPERATION IN THE SPHERE OF ENVIRONMENTAL CARE)
SUM, ANTONIN
EPA
PM(A) CZECH 00/00/73 PGS 1-180 ID# 01736A

PUBLISHED BY THE ENVIRONMENTAL COUNCIL OF THE GOVERNMENT OF THE CZECH SOCIALIST REPUBLIC, THIS BOOK IS BASED ON THE RESULTS OF THE SYMPOSIUM OF THE UN ECONOMIC COMMISSION FOR EUROPE. PART I OF THE PUBLICATION DEALS WITH THE UN CONFERENCE ON THE HUMAN ENVIRONMENT, THE PREPARATION FOR AND THE STRUCTURE AND RESULTS OF THE CONFERENCE. THE SECOND PART DISCUSSES THE ADOPTION BY THE XXVII GENERAL ASSEMBLY OF THE UN ENVIRONMENTAL PROGRAM. PART III TAKES UP EXPERIENCES IN INTERNATIONAL ENVIRONMENTAL COLLABORATION AND THEIR APPLICABILITY IN CZECHOSLOVAKIA. PART IV DOCUMENTS THE SOVIET PEACE PROGRAMS, VARIOUS SOVIET ENVIRONMENTAL RESOLUTIONS, ENVIRONMENTAL AND HEALTH PACTS BETWEEN THE UNITED STATES AND THE SOVIET UNION, RECENT US ENVIRONMENTAL LEGISLATION, AND A TOPICAL SURVEY OF THE MAIN RECOMMENDATIONS ADOPTED AT THE UN CONFERENCE ON THE HUMAN ENVIRONMENT IN STOCKHOLM.

GENERAL

USSR COUNCIL OF PROTECTION OF THE ENVIRONMENT ESTABLISHED. FBIS DAILY BROADCAST, SOVIET UNION.

PM(A) ENGLISH 01/22/73 PGS EPA ID# 00778A
ALSO SE
WATER AIR

A SCIENTIFIC AND TECHNICAL COUNCIL ON THE PROBLEMS OF ENVIRONMENTAL PROTECTION AND THE RATIONAL USE OF THE NATURAL RESOURCES HAS BEEN SET UP IN THE SOVIET UNION UNDER THE COMMITTEE FOR SCIENCE AND TECHNOLOGY. THE COUNCIL IS TO DRAW UP NATIONAL PLANS, COORDINATE THE WORK OF RESEARCH INSTITUTIONS, AND TO FINANCE AND SUPERVISE PROGRAM IMPLEMENTATION. STEPS ARE BEING TAKEN TO PREVENT THE POLLUTION OF SOME OF THE MAJOR BODIES OF WATER. CONSIDERABLE FUNDS HAVE BEEN ALLOCATED FOR THE CONSTRUCTION OF WASTEWATER TREATMENT UNITS.

USSR "THE 'TECHNIFICATION' OF THE ENVIRONMENT AND HUMAN HEALTH." VOPROSY FILOSOFII
TSAREGORODTSEV, G.I. EPA
PM(A) RUSSIAN 10/00/72 PGS 59-70 ID# 01547A
ALSO SE
AIR

THIS ARTICLE EMPHASIZES THE IMPACT OF CHANGES IN THE ENVIRONMENT DUE TO TECHNOLOGICAL PROGRESS ON SOCIAL HYGIENE AND THE HEALTH OF THE POPULATION. THE AUTHOR NOTES THAT THE GROWING RATE OF CHANGE THREATENS THE NATURAL EQUILIBRIUM AND THAT MISTAKES IN PLANNING CAN HAVE AN IRREVERSIBLE IMPACT ON THE ENVIRONMENT WITH A CONCOMITANT NEGATIVE EFFECT ON HUMAN HEALTH. THE BIOSPHERE FOR MODERN MAN HAS BECOME A "TECHNOSPHERE." BUT IN REORDERING THE ENVIRONMENT, HE WARNS, MAN HAS NOT FREED HIMSELF FROM NATURAL LAWS. THE TASK IS NOT ONLY TO RECOGNIZE UNDESIRABLE EFFECTS ON THE ENVIRONMENT CAUSED BY TECHNOLOGICAL DEVELOPMENT, BUT ALSO TO FORESEE THEM AND TAKE NECESSARY PRECAUTIONS TO PREVENT THEM. HE REFERS TO AIR POLLUTION PROBLEMS IN JAPAN, NEW YORK AND LOS ANGELES AS EXAMPLES OF THE NEGATIVE IMPACT OF INDUSTRIALIZATION ON HUMAN HEALTH.

USSR "TECHNOLOGY AND THE PRESERVATION OF THE ENVIRONMENT." PRIRODA
PARSHENKOV, SERGEY ALEKSANDROVICH EPA
ST( ) RUSSIAN 02/00/72 PGS 46-51 ID# 01573A
ALSO PMA
WATER AIR

THE AUTHOR DESCRIBES THE GROWING DANGERS OF ENVIRONMENTAL POLLUTION IN VIEW OF INCREASING TECHNOLOGICAL DEVELOPMENT. HE USES EXAMPLES OF AMERICAN INDUSTRIAL GROWTH TO EMPHASIZE HAZARDS TO THE ENVIRONMENT FROM A HIGHLY INDUSTRIALIZED SOCIETY. FAILURE TO CONTROL POLLUTION IS A RESULT OF COMPLEX PROBLEMS SUCH AS THE LACK OF EFFECTIVE TECHNOLOGY TO PURIFY INDUSTRIAL WASTES, INEFFICIENT ORGANIZATION OF INDUSTRY, FAILURE OF TECHNOLGISTS TO TAKE RESPONSIBILITY FOR ENVIRONMENTAL IMPACT OF NEW DEVELOPMENTS, LACK OF SUFFICIENT UNDERSTANDING OF ENVIRONMENTAL IMPACT OF NEW DEVELOPMENTS, AND POOR COORDINATION BETWEEN ENVIRONMENTAL SCIENCES AND TECHNOLOGICAL SCIENCES. IN VIEW OF THE LACK OF ECONOMIC INCENTIVES AND GOVERNMENTAL PRESSURE TO CONTROL POLLUTION IN THE USSR, THE AUTHOR EMPHASIZES THE MORAL OBLIGATION OF TECHNOLOGISTS TO PROTECT THE ENVIRONMENT.

NOISE

CANADA "NEW FEDERAL PROCEDURES MIGHT HAVE RULED OUT AIRPORT IN PICKERING." GLOBE AND MAIL

PM(A) ENGLISH 09/19/73 PGS 8 EPA ID# 01243A
ALSO LRB
*GENERAL WATER AIR

CZECHOSLOVAKIA "DECEMBER 23, 1966 INSTRUCTION NO. 32 . . . CONCERNING THE PROTECTION OF HEALTH AGAINST THE OBJECTIONABLE EFFECTS OF NOISE." INT. DIG. OF HLTH. LEG., V. 19 WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/68 PGS 322-323 EPA ID# 01080A

THESE INSTRUCTIONS, ISSUED BY THE MINISTRY OF HEALTH PURSUANT TO THE MARCH 17, 1966 LAW ON PUBLIC HEALTH, REGULATE THE GENERATION OF NOISE EMANATING WITHIN DWELLINGS, WORK-PLACES, AND FROM MOTOR VEHICLES. SPECIFICALLY, THEY BAN THE SUPPLY BY MANUFACTURERS OR THE IMPORTATION OF EQUIPMENT NOT MEETING THE ACOUSTICAL CONDITIONS AND NORMS PRESCRIBED IN THESE INSTRUCTIONS. THEY ALSO DIRECT OFFICIALS RESPONSIBLE FOR TOWN PLANNING AND BUILDING CONSTRUCTION TO TAKE NECESSARY MEASURES TO BRING THEIR PLANS AND DESIGNS INTO CONFORMITY WITH THE PROVISIONS OF THE INSTRUCTIONS. MAXIMUM PERMISSIBLE NOISE LEVELS ARE ESTABLISHED FOR DWELLINGS WORK-PLACES, OUTDOOR AREAS, AND FOR MOTOR VEHICLES. PROVISIONS ARE MADE FOR THE USE OF PERSONAL PROTECTIVE DEVICES AND FOR THE DISCONTINUANCE OF EQUIPMENT AND VEHICLE OPERATIONS IF NOISE-CONTROL MEASURES ARE INSUFFICIENT TO SATISFY THE MAXIMUM PERMISSIBLE LEVELS. ANNEXES PRESENT DATA FOR NOISE-LEVEL CALCULATIONS. THE CZECH-LANGUAGE ORIGINAL OF THESE INSTRUCTIONS APPEAR IN HYGIENICKE PREDPISY, NO. 28, 1967.

FINLAND "MARCH 29, 1957 ROAD TRAFFIC ACT "O. 143." SUOMEN ASETUSKOKOELMA, V. 1957

LR(A) FINNISH 03/29/57 PGS 375-376 EPA ID# 01104A
*AIR

FINLAND "JUNE 28, 1958 WORK SAFETY ACT "O. 299" SUOMEN ASETUSKOKOELMA, V. 1958

LR(A) FINNISH 06/28/58 PGS 631-638 EPA ID# 01105A
*AIR RADIATION

FINLAND "JUNE 30, 1966 ORDINANCE NO. 393 CONCERNING THE COMMISSION FOR THE PROTECTION OF THE AIR AND THE PREVENTION OF NOISE." INT. DIG. OF HLTH. LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP.
LR(A) ENGLISH 00/00/68 PGS 382 ID# 01106A EPA
*AIR

FINLAND "MARCH 24, 1972 ORDINANCE NO. 248 TO AMEND THE PUBLIC HEALTH ORDINANCE." INT. DIG. OF HLTH. LEG., V 23
WORLD HEALTH ORGANIZATION, COMP.
LR(A) ENGLISH 00/00/72 PGS 715 ID# 01107A EPA
*AIR

FRANCE "CURRENT ENVIRONMENTAL ISSUES IN FRANCE." DEPARTMENT OF STATE AIRGRAMS, AMEMEBASSY PARIS, A-825
U.S. STATE DEPARTMENT
PM(A) ENGLISH 09/20/72 PGS 1-5 ID# 01713A EPA
ALSO LRB
*GENERAL WATER AIR SOLID WASTE

GERMAN DEM REP "MAY 14, 1970, FOURTH IMPLEMENTING ORDER TO THE LAND USE LAW -PROTECTION AGAINST NOISE." GESETZBLATT DER DEUTSCHEN DEMOKRATISCHEN REPUBLIK, PT. II.
LF(A) GERMAN 05/29/70 PGS 343-345 ID# 01093A EPA

THIS IMPLEMENTING ORDER TO THE LAND USE LAW (THE GENERAL ENVIRONMENTAL LAW OF EAST GERMANY) DEALS WITH NOISE POLLUTION, WHICH IT DEFINES AS ANY SOUND THAT DISTURBS OR IMPAIRS PSYCHIC OR PHYSICAL WELLBEING OR CAN BE HAZARDOUS TO HEALTH. STATE ORGANIZATION AND INDUSTRIAL AND OTHER ACTIVITIES MUST ENSURE THAT THE SOCIALIST COMMUNITY IS NOT DISTURBED BY NOISE MORE THAN CIRCUMSTANCES RENDER INEVITABLE AND THAT DANGER TO HEALTH FROM NOISE IS AVOIDED. THE MINISTER OF HEALTH IS AUTHORIZED TO SET MAXIMUM PERMISSIBLE NOISE LEVELS. THE ORDER ALSO STIPULATES THAT FACILITIES, MACHINES, TOOLS, AND VEHICLES BE SO CONSTRUCTED AND PRODUCED TO LIMIT TO A MINIMUM NOISE PRODUCED THROUGH THEIR OPERATION. ANTI-NOISE TECHNIQUES AND MEASURES MUST BE TAKEN INTO ACCOUNT IN LONG-TERM PLANNING. THE ORDER ALSO DELINEATES MEASURES THAT MAY BE TAKEN BY CITY AND COMMUNITY COUNCILS. THE SUBSTANTIVE PARTS OF THIS ORDER ARE AVAILABLE IN ENGLISH TRANSLATION IN THE INTERNATIONAL DIGEST OF HEALTH LEG. V. 23 (1972).

NOISE

GERMANY,FED REP OF "'UMWELT' SURVEY ON PLANT COMMISSIONERS FOR ENVIRONMENTAL PROTECTION: THE PRO'S AND CON'S BALANCE THE SCALE." UMWELT
FREY, PETER
PM(A) GERMAN 01/00/72 PGS 16; 18-19 ID# EPA C1352A
ALSO LRB
*GENERAL AIR WATER SOLID WASTE

GERMANY,FED REP OF (VDI: THE ASSOCIATION OF GERMAN ENGINEERS). 401/88/USA
ST( ) ENGLISH 12/00/69 PGS 1-3 ID# EPA 00970A
ALSO LRB
*AIR

GREAT BRITAIN "CLEANING UP POLLUTION IS NOW BIG BUSINESS." THE TIMES
VIEIVOYE, ROGER
PM(A) ENGLISH 07/05/73 PGS 28 ID# EPA 01326A
ALSO SE AND LRB
*WATER SOLID WASTE AIR

GREAT BRITAIN ENVIRONMENTAL POLLUTION. REPRINTED FROM SURVEY OF CURRENT AFFAIRS.
LONDON CENTRAL OFFICE OF INFORMATION
PM(A) ENGLISH 00/00/71 PGS 1-7 ID# EPA 01356A
ALSO LRB
*GENERAL AIR WATER PESTICIDES

JAPAN TOKYO MUNICIPAL NEWS: MONTHLY JOURNAL OF THE TOKYO METROPOLITAN GOVERNMENT, V. 20M NO. 6
PM(A) ENGLISH 07/00/70 PGS 1-3 ID# EPA 01541A
ALSO LRB
*GENERAL AIR WATER

NOISE

JAPAN — ENVIRONMENTAL POLLUTION IN OSAKA CITY

ST( ) — ENGLISH — 00/00/71 — PGS 1-52 — EPA ID# 01499A
ALSO PMB
*AIR WATER

NETHERLANDS — MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)

ST( ) — DUTCH — 05/00/72 — PGS 1-215 — EPA ID# 00934A
ALSO PMB
*GENERAL AIR WATER PESTICIDES SOLID WASTE RADIATION

SPAIN — ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ

PM(A) — SPANISH — 00/00/00 — PGS 1-63 — EPA ID# 01134A
ALSO LPE
*GENERAL AIR WATER SOLID WASTE PESTICIDES RADIATION

UNITED NATIONS — "EXCERPTS FROM NATIONAL REPORTS." SWEDEN NOW. NO.2

PM(A) — ENGLISH — 00/00/72 — PGS 36-38 — EPA ID# 00776A
ALSO SE
*GENERAL SOLID WASTE

USSR — "DEVELOPMENT OF URGENT PROBLEMS IN HYGIENE IN THE RSFSR." GIGIYENA I SANITARIYA
SHITSKOVA, A.P. AND OTHERS

ST( ) — RUSSIAN — 12/00/72 — PGS 8-16 — EPA ID# 01542A
ALSO SE
*AIR WATER

PESTICIDES

CZECHOSLOVAKIA

"APRIL 10, 1967 GOVERNMENT DECREE NO. 56 CONCERNING POISONS AND OTHER SUBSTANCES HARMFUL TO HEALTH." INT. DIG. OF HLTH. LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/68 PGS 324-330 ID# 01081A

THIS DECREE AUTHORIZES IN THE INTEREST OF PUBLIC HEALTH GOVERNMENT REGULATION OF POISONS, NARCOTICS, AND CORROSIVE SUBSTANCES. IT PROVIDES THAT THE MINISTER OF HEALTH SHALL MAINTAIN A LIST OF SUCH SUBSTANCES THAT ARE SUBJECT TO CONTROL. THE DECREE ESTABLISHES MECHANISMS FOR THE CONTROL OF THE MANUFACTURE, IMPORTATION, AND MARKETING OF THESE SUBSTANCES, THE LICENSING OF ORGANIZATIONS DEALING IN OR HANDLING THEM, AND FOR THE PROTECTION OF WORKERS INVOLVED IN THEIR PREPARATION OR DISTRIBUTION. THE MINISTRY OF HEALTH IS ASSIGNED THE RESPONSIBILITY FOR THE IMPLEMENTATION OF THE DECREE. THE OFFICIAL CZECH-LANGUAGE VERSION OF THIS DECREE APPEARS IN SHIRKA ZAKONU, JUNE 14, 1967, P. 213-216.

CZECHOSLOVAKIA

"JUNE 1, 1967 ORDER NO. 57 OF THE MINISTRIES OF HEALTH AND JUSTICE TO IMPLEMENT THE GOVERNMENT DECREE CONCERNING POISONS. . . HARMFUL TO HEALTH." INT. DIG. OF HLTH. LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/68 PGS 331-347 ID# 01081B

THIS GENERAL DECREE LISTS IN ITS ANNEXES DANGEROUS POISONS, OTHER POISONS (INCLUDING PESTICIDES), AND NARCOTICS SUBJECT TO CONTROL BY THE PROVISIONS OF THIS INSTRUMENT. THE DECREE COVERS LICENSES FOR THE HANDLING OF THESE SUBSTANCES, THEIR SUPPLY OR SALE, PRODUCTION, PACKAGING AND LABELING, AND THEIR DOCUMENTATION. IT SETS QUALIFICATION STANDARDS FOR WORKERS WHO HANDLE THE SUBSTANCES AND PROCEDURES FOR THE DESTRUCTION OF WEEDS AND PESTS. THE OFFICIAL CZECH-LANGUAGE TEXT OF THIS DECREE APPEARS IN SHIRKA ZAKONU, JUNE 14, 1967, P. 217-233.

CZECHOSLOVAKIA

"PARTICIPATION OF CZECHOSLOVAKIA IN INTERNATIONAL COOPERATION ON ENVIRONMENTAL PROTECTION." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 9, 1972
FRATRICH, I. EPA
PM(A) RUSSIAN 00/00/72 PGS 34-38 ID# 01584A
ALSO SE
*GENERAL WATER AIR

CZECHOSLOVAKIA
VODNI HOSPODARSTVI, RADA B (WATER MANAGEMENT, SERIES B)
NOVAKOVA, JIRINA, ED.
SE( ) CZECH 10/00/72 PGS 241-272 ID# 00798A EPA
ALSO PMB
*WATER

DENMARK
"MAY 3, 1961, ACT, NO. 118, ON PRODUCTS FOR CONTROL OF PLANT DISEASES, WEEDS AND CERTAIN ANIMAL PESTS AND FOR PLANT GROWTH REGULATION." LOVTIDENDE FOR KONGERIGET DENMARK, A
LR(A) DANISH 00/00/61 PGS 201-05 ID# 01442A EPA

THIS ACT PUTS THE CONTROL OF THE USE OF PESTICIDES INTO THE HANDS OF AN EXPERT COMMITTEE.

DENMARK
"FEB. 3, 1970, ORDER NO. 28 OF THE MINISTRY OF AGRICULTURE TO AMEND THE ORDER ON PRODUCTS FOR CONTROL OF PLANT DISEASES, ETC." INT. DIG. OF HLTH. LEG., V. 21
WORLD HEALTH ORGANIZATION, COMP.
LR(A) ENGLISH 00/00/70 PGS 571 ID# 01443A EPA

THIS ORDER AMENDS THE "SEPT. 25, 1961, ORDER NO. 289 ON PRODUCTS FOR CONTROL OF PLANT DISEASES, WEEDS, AND CERTAIN ANIMAL PESTS AND FOR PLANT GROWTH REGULATION." IT INTRODUCES A NEW SECTION EMPOWERING THE POISONS BOARD OF THE MINISTRY OF AGRICULTURE TO DECIDE THAT ONLY PESTICIDES CONTAINING SPECIFIED SUBSTANCES MAY BE APPLIED FROM AIRCRAFT AND TO LAY DOWN PROVISIONS DESIGNED TO PREVENT HAZARDS TO MAN AND DOMESTIC ANIMALS DURING SUCH OPERATIONS. PILOTS OF AIRCRAFT ENGAGED IN SPRAYING OPERATIONS ARE REQUIRED TO POSSESS A LICENSE ISSUED, IF APPROPRIATE, ON THE COMPLETION OF A COURSE PRESCRIBED BY THE BOARD. FURTHERMORE, PERSONS AND COMPANIES ENGAGED IN SPRAYING OPERATIONS, MUST SUBMIT A YEARLY ACTIVITY REPORT TO THE BOARD. (THE ORIGINAL TEXT OF THIS ORDER APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A, FEB. 14, 1970, NO. 2, PP. 64-73.)

DENMARK
"MAY 3, 1961, LAW NO. 119 ON POISONS AND SUBSTANCES HARMFUL TO HEALTH."
INT. DIG. OF HLTH. LEG., V. 13
WORLD HEALTH ORGANIZATION, COMP.
LR(A) ENGLISH 00/00/62 PGS 493-506 ID# 01444A EPA

THIS LAW, ON POISONS AND SUBSTANCES DANGEROUS TO HEALTH, APPLIES, AMONG OTHER THINGS, TO PESTICIDES, INSECTICIDES AND OTHER BIOCIDES, TO THE EXTENT THAT PROVISIONS OF THE PRESENT LAW DO NOT CONFLICT WITH LEGISLATION ALREADY IN FORCE IN THESE AREAS. PROVISIONS PERTAINING TO POISONS DEAL WITH THE PRODUCTION, RECEIPT, SUPPLY AND STORAGE OF POISONS. PROVISIONS ON SUBSTANCES HARMFUL TO HEALTH CONCERN THE SUPPLY AND STORAGE OF SUCH SUBSTANCES. PROVISIONS ON BOTH AREAS DEAL WITH: PACKAGING, TRANSPORT, PROHIBITONS ON USE, DISPOSAL OF USED PACKAGING, PENALTIES FOR OFFENSES AGAINST THE LAW, AND CASES IN WHICH SUBSTANCES MAY BE EXEMPT FROM PROVISIONS OF THE LAW. SUPERVISION OF PROVISIONS SPECIFIC TO THIS LAW IS TO BE EXERCISED BY THE POLICE, THE CHEMICALS CONTROL OFFICE, MEDICAL HEALTH OFFICERS, PHARMACEUTICAL INSPECTORS AND THE SPECIALITIES CONTROL SERVICE, IN ACCORDANCE WITH GUIDELINES ISSUED BY THE INTERIOR MINISTRY. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A, MAY 15, 1961, NO. 8, P. 206-15.)

PESTICIDES

DENMARK "OCT. 9, 1961, ORDER NO. 304 ON THE USE OF CERTAIN POISONS AND SUBSTANCES HARMFUL TO HEALTH." INT. DIG. OF HLTH. LEG., V. 13
WORLD HEALTH ORGANIZATION, COMP.

LP(A) ENGLISH 00/00/62 PGS 506 EPA ID# 01444B

THIS ORDER, MADE PURSUANT TO THE "MAY 3, 1961, LAW NO. 119 ON POISONS AND SUBSTANCES HARMFUL TO HEALTH," CONTAINS PROVISIONS ON PRODUCTS AUTHORIZED FOR USE IN CONTROLLING PLANT DISEASES, WEEDS AND CERTAIN PESTS AS WELL AS ON SUBSTANCE USED FOR KILLING FUR-BEARING ANIMAL AND USED AS INSECTICIDES.

FINLAND "NOVEMBER 1, 1968 DECREE NO. 618 . . . ON THE PRE-HARVEST INTERVALS FOR PLANT PROTECTION PRODUCTS AND OTHER RESTRICTIONS ON THEIR USE . . ." INT. DIG. OF HLTH. LEG., V. 20
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/69 PGS 453 EPA ID# 01108A

THIS DECREE OF THE MINISTRY OF AGRICULTURE ON THE PRE-HARVEST INTERVALS FOR PLANT PRODUCTION PRODUCTS AND OTHER LIMITATIONS ON THEIR USE TO PROTECT MAN AND DOMESTIC ANIMALS FROM THE NOXIOUS EFFECTS OF THEIR RESIDUES IS ISSUED IN PURSUANCE OF THE JUNE 29, 1956 ORDINANCE ON THE IMPLEMENTATION OF THE LAW OF PLANT PROTECTION PRODUCTS. THE DECREE LISTS PLANT PROTECTION SUBSTANCES AND INDICATES THE MINIMUM TIME THAT MAY ELAPSE BETWEEN CROP TREATMENT AND HARVESTING. CROPS MAY NOT BE HARVESTED DURING TREATMENT WITH PRODUCTS CONTAINING THESE GROWTH SUBSTANCES: ALLETHRIN, AZOBENZENE, BUCARBOLATE, FOLPET, COPPER, PIPERONYL BUTOXIDE, PYRETHRIN, SULFUR, ROTENONE AND TOLUENE. SPECIAL RESTRICTION ARE LISTED FOR A NUMBER OF OTHER SUBSTANCES. THE DECREE ALSO REQUIRES THE PRE-HARVEST TIME INTERVAL TO BE GIVEN ON PACKAGING LABELS. THE FINNISH/SWEDISH ORIGINAL OF THIS DECREE APPEARS IN THE SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, NOV. 19, 1968, P. 1607-1608.

FINLAND "MAY 16, 1969 POISONS ACT NO. 309." SUOMEN ASETUSKOKOELMA, V. 1969

LP(A) FINNISH 05/16/69 PGS 557-560 EPA ID# 01109A

THIS LEGISLATION IS DESIGNED TO PREVENT THE HEALTH IMPAIRMENT OF HUMANS AND ANIMALS DUE TO POISONS AND BIOCIDES. PROVISIONS OF THE ACT STIPULATE THAT THE PACKAGING OF SUCH POISONS MUST BEAR CLEAR MARKINGS INDICATING THE DANGEROUS NATURE OF THE SUBSTANCES AND INSTRUCTIONS FOR THEIR SAFE USE. WHEN THE USE OF SUCH A POISONOUS SUBSTANCE GIVES RISE TO THE SUSPICION THAT DAMAGE TO HEALTH RESULTS, THE SUPERVISING AUTHORITY MAY PROHIBIT OR LIMIT ITS USE UNTIL THE EFFECTS OF THE SUBSTANCE HAS BEEN INVESTIGATED.

PESTICIDES

FINLAND "MAY 23, 1969 BIOCIDES ACT NO. 327." ASETUSKOKOELMA, V. 1969

EPA
LR(A) FINNISH 05/23/69 PGS 596-598 ID# 01110A

THE PROVISIONS OF THIS ACT ARE DESIGNED TO PREVENT DAMAGE FROM BIOCIDES TO THE HEALTH OF HUMANS AND USEFUL ANIMALS OR TO THE HARMFUL IMPAIRMENT OF CULTIVATED PLANTS, CULTIVATABLE LAND, AND NATURE. THE PROVISIONS DEAL IN THE MAIN WITH THE USE, MANUFACTURE, IMPORTATION, SALE, STORAGE AND TRANSPORT OF BIOCIDES. THE ACT STIPULATES THAT BIOCIDES MAY BE SOLD ONLY WHEN PERMISSION FROM PROPER AUTHORITIES HAS BEEN GRANTED.

FINLAND "JUNE 2, 1972 DECREE NO. 450 . . . TO PROHIBIT AND RESTRICT THE SALE OR USE OF CERTAIN PESTICIDES CONTAINING CHLORINATED HYDROCARBONS." INT. DIG. OF HLTH. LEG., V. 23 WORLD HEALTH ORGANIZATION, COMP.

EPA
LR(A) ENGLISH 00/00/72 PGS 723 ID# 01110C

THIS DECREE, ISSUED BY THE MINISTRY OF AGRICULTURE AND FORESTRY IN PURSUANCE OF THE MAY 23, 1969 LAW NO. 327 ON PESTICIDES, BANS THE SALE OR USE OF PESTICIDES CONTAINING ALDRIN, DIELDRIN, OR CHLORDANE. PESTICIDES CONTAINING DDT, ENDRIN, OR LINDANE MAY ONLY BE USED UNDER CERTAIN CONDITIONS THE TREATMENT OF WOOD PLANTS IN NURSERIES; ENDRIN SOLELY FOR THE PROTECTION OF FOREST STANDS, NURSERIES, AND ORCHARDS, WITH SALE LIMITED TO PERSONS AUTHORIZED BY THE INSTITUTE OF PLANT PROTECTION; LINDANE ONLY FOR THE TREATMENT OF WOOD PLANTS IN NURSERIES PRIOR TO THEIR TRANSPLANT ON OR NEAR THE PLANTING SITE; FOR "THE PROTECTION OF UNBARKED TIMER WHICH WILL NOT BE FLOATED OR STORED IN WATERCOURSES"; AND FOR TREATING THE SEEDS AND ROOTS OF GARDEN PLANTS. THE INSTITUTE OF PLANT PROTECTION MAY AUTHORIZE EXEMPTIONS TO THIS DECREE WHEN THERE IS A LARGE-SCALE THREAT TO THE FOREST FROM INSECT PESTS. THE FINNISH/SWEDISH ORIGINAL OF THIS DECREE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, JUNE 12, 1972; P. 1103.

FINLAND "JUNE 30, 1972 ORDINANCE NO. 509 TO AMEND THE ORDINANCE ON PESTICIDES." INT. DIG. OF HLTH. LEG., V. 23 WORLD HEALTH ORGANIZATION, COMP.

EPA
LR(A) ENGLISH 00/00/72 PGS 723-724 ID# 01110D

THIS AMENDING ORDINANCE RECONSTITUTES THE MEMBERSHIP OF THE PESTICIDES BOARD, AS ESTABLISHED IN THE JAN. 30, 1970 ORDINANCE NO. 93 ON PESTICIDES. THE BOARD IS TO BE COMPOSED OF A CHAIRMAN AND VICE-CHAIRMAN, AND NINE OTHER MEMBERS. THE BOARD SHALL ALSO INCLUDE A REPRESENTATIVE OF THE MINISTRY OF AGRICULTURE AND FORESTRY, A REPRESENTATIVE OF THE INSTITUTE OF PLANT PROTECTION, AND A REPRESENTATIVE OF THE STATE INSTITUTE OF AGRICULTURAL CHEMISTRY, AS WELL AS SEVEN OTHER MEMBERS COMPOSED IN SUCH A WAY THAT AGRICULTURE, FORESTRY, MEDICINE, VETERINARY MEDICINE, CONTROL OF FOODSTUFFS AND ENVIRONMENTAL PROTECTION ARE EACH REPRESENTED BY AT LEAST ONE MEMBER. THE FINNISH SWEDISH ORIGINAL OF THIS ORDINANCE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, JULY 3, 1972, P. 1197.

PESTICIDES

FINLAND
VESAKONTORJUNTA-AINEIDEN TERVEYDELLISIA VAIKUTUSKSIA TUTKINEEN TYORYHMAN MIETINTO. (CONCLUSIONS OF THE STUDY PANEL ON HEALTH HAZARDS FROM HERBICIDE USE ON UNDERBRUSH)
EDAMPAIN-HEIKKILA, JUHANA, AND OTHERS
EPA
ST( )
FINNISH 00/00/73 PGS 1-69 ID# 00799A
ALSO SEPARATELY PAGINATED ADDENDA

THIS REPORT CONTAINS THE RESULTS OF A STUDY COMMISSIONED BY THE FINNISH MINISTRY OF HEALTH TO INVESTIGATE THE REASONS FOR THE HIGH DISEASE RATE AMONG RAILROAD WORKERS ENGAGED IN THE CLEARING OF UNDERBRUSH. THE STUDY FOCUSES ON HERBICIDES AS THE CAUSE. THE DETAILED REPORT COVERS THE DEFINITION OF THE PROBLEM, PROCEDURES, CHARACTERISTICS AND EFFECTS OF THE HERBICIDE COMPOUNDS USED, TOXIC FEATURES AND EFFECTS, EFFECTS OF PHENOXY ON HUMAN HEALTH, CHEMICALS USED IN FINLAND FOR THE ELIMINATION OF UNDERGROWTH, CONTAMINATION OF THE PREPARATIONS USED, THE QUESTIONNAIRE THAT THE PANEL PREPARED AND DISTRIBUTED, SWEDISH EXPERIENCES IN THIS SUBJECT AREA, URINE SPECIMENS OF PERSONS EXPOSED TO THE HERBICIDES, AND A SUMMARY AND CONCLUSIONS. THE REPORT ALSO CONTAINS A BIBLIOGRAPHY AND TWO APPENDIXES. ONE APPENDIX DEALS WITH THE PLAN OF THE STUDY AND THE COST ESTIMATES; THE OTHER IS AN AUTHENTICATION OF THE CHEMICAL ANALYSES OF THE COMPOUNDS.

GREAT BRITAIN
ENVIRONMENTAL POLLUTION. REPRINTED FROM SURVEY OF CURRENT AFFAIRS.
LONDON CENTRAL OFFICE OF INFORMATION
EPA
PM(A)
ENGLISH 00/00/71 PGS 1-7 ID# 01356A
ALSO LRP
*GENERAL AIR WATER NOISE

JAPAN
"SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, DECEMBER, 1972."
DEPT. OF STATE AIRGRAM, A-100
U.S. DEPT. OF STATE
EPA
PM(A)
ENGLISH 02/02/73 PGS 1-12 ID# 01525A
ALSO LRP AND ST
*GENERAL WATER AIR

JAPAN
THE USE OF ISOTOPES AND RADIATION FOR AGRICULTURE IN JAPAN.
JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY
EPA
ST( )
ENGLISH 01/00/72 PGS 1-163 ID# 01503A
*RADIATION WATER

PESTICIDES

NETHERLANDS — MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)

ST( ) DUTCH 05/00/72 PGS 1-215 EPA ID# 00934A
ALSO PMB
*GENERAL AIR WATER NOISE SOLID WASTE RADIATION

NETHERLANDS. TNO-NIEUWS, V. 27
NETHERLANDS ORGANIZATION FOR APPLIED SCIENTIFIC RESEARCH EPA
ST( ) ENGLISH 10/00/72 PGS 525-642 ID# 01029A
ALSO LRB

THIS ISSUE, CONSISTING OF 18 ARTICLES PREPARED BY MEMBERS OF THE NETHERLANDS ORGANIZATION FOR SCIENTIFIC RESEARCH, REVIEWS THE IMPLICATIONS OF PESTICIDES AND RELATED COMPOUNDS FOR CERTAIN BIRDS AND MARINE MAMMALS. THE SUMMARY OF ARTICLES STRESSES THE NEED FOR LEGISLATION TO CONTROL THE USE OF INDUSTRIAL CHEMICALS WHERE ENVIRONMENTAL DAMAGE ARISES FROM APPLICATION RATHER THAN FROM THE PRODUCTION PROCESS. THE ISSUE CONTAINS ILLUSTRATIONS, BIBLIOGRAPHIES, AND TABLES AS WELL AS INTRODUCTORY SUMMARIES OF EACH ARTICLE. THE ARTICLE COVER THE IMPACT AND RESIDUE LEVELS OF CHEMICALS ON VARIOUS BIRDS AND BATS, THE MORTALITY INCIDENCE IN WILDLIFE FROM THE ABUSIVE USE OF PESTICIDES, THE TOXICITY OF TMTD, EXPERIMENTAL STUDIES WITH HCB, AND LIMITATIONS ON THE USE OF ENZYME INDUCTION IN THE ASSESSMENT OF THE ENVIRONMENTAL EFFECTS OF PESTICIDES.

SOUTH AFRICA — POLLUTION BY AGRICULTURE
ADLER, E.
ST( ) ENGLISH 00/00/71 PGS 1-14 EPA ID# 01006A

THIS PAMPHLET CONTAINS THE TEXT OF A STATEMENT ON POLLUTION BY AGRICULTURE IN SOUTH AFRICA, WRITTEN BY E. ADLER, THE DIRECTOR OF THE EXTENSION AND REGULATORY SERVICES OF THE DEPARTMENT OF AGRICULTURE TECHNICAL SERVICES OF THE UNIVERSITY OF STELLENBOSCH. THE STATEMENT WAS PREPARED FOR THE FIRST NATIONAL SOUTH AFRICAN CONFERENCE ON MAN AND HIS ENVIRONMENT. IT DISCUSSES MAN-MADE POLLUTION THROUGH AGRICULTURE, SOIL EROSION, SOIL POLLUTION, AND POLLUTION OF THE VEGETAL COVER OF THE SOIL, AND ENVIRONMENTAL POLLUTION CAUSED THROUGH THE USE OF PESTICIDES. GRAPHS AND PHOTOGRAPHS SUPPLEMENT THE TEXT.

PESTICIDES

SPAIN

ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ
PM(A) SPANISH 00/00/00 PGS 1-63 EPA ID# 01134A
ALSO LRB
*GENERAL AIR WATER SOLID WASTE RADIATION NOISE

USSR

PESTITSIDY I ZHIZN' VODOYEMOV (PESTICIDES AND LIFE IN RESEVOIRS)
BRAGINSKIY, L.P.
ST( ) RUSSIAN 00/00/72 PGS 1-227 EPA ID# 01562A
WATER

THIS BOOK IS PRIMARILY CONCERNED WITH MEANS OF STUDYING ECOLOGICAL AND TOXICOLOGICAL EFFECTS OF PESTICIDES AND HERBICIDES ON FRESHWATER ECOSYSTEMS. USE OF HERBICIDES, PRIMARILY PHOTOSYNTHESIS INHIBITORS, FOR CONTROL OF VEGETATION OVERGROWTH IN RESEVOIRS AND CANALS IS EMPHASIZED. AFTER PROLONGED LABORATORY STUDY OF MANY CHEMICAL PREPARATIONS, SEVERAL WERE SELECTED FOR EXPERIMENTAL USE IN NATURAL CONDITIONS, INCLUDING CARBAMIDE DERIVATIVES, ATRAZINE, SODIUM TRICHLORACETATE, SODIUM SALT 2,4-D AND OTHERS. THE AUTHOR, WHO HEADS A RESEARCH GROUP AT THE UKRAINIAN ACADEMY OF SCIENCES INSTITUTE OF HYDROBIOLOGY, RECOMMENDS DEVELOPMENT OF RAPIDLY DEGRADABLE PESTICIDES WITH LOW TOXICITY LEVELS, ESTABLISHMENT OF STRICT BIOLOGICAL STANDARDS FOR REGULATION OF PESTICIDE USE, AND DEVELOPMENT OF BIOLOGICAL AND OTHER MEANS FOR DETOXIFICATION OF WATER CONTAMINATED BY PESTICIDES. A GENERAL SURVEY OF THE LITERATURE ON OTHER PESTICIDES AND HERBICIDRS IS PRESENTED.

RADIATION

COMECON

"INFORMATION ON THE ACTIVITIES OF THE COUNCIL OF ECONOMIC COOPERATION IN TREATMENT OF ENVIRONMENTAL PROBLEMS." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 8, 1971
RUMYANTSEV, A. AND B. MATE
PM(A) RUSSIAN 00/00/71 PGS 161-168 EPA ID# 01589A
ALSO ST
*GENERAL AIR WATER

CZECHOSLOVAKIA

"MAY 2, 1956 NOTICE NO. 98 . . . ON THE USE OF RADIOACTIVE SUBSTANCES (RADIOELEMENTS)." INT. DIG. OF HLTH. LEG., V. 9
WORLD HEALTH ORGANIZATION, COMP.
LR(A) ENGLISH 00/00/58 PGS 61-64 EPA ID# 01082A

THIS NOTICE, ISSUED BY THE MINISTER OF THE CHEMICAL INDUSTRY AND THE MINISTER OF HEALTH, APPLIES TO CLOSED AND OPEN RADIOELEMENTS WHOSE TOTAL RADIOACTIVITY EXCEEDS 0.05 MC. THE NOTICE PROVIDES THAT RADIOELEMENTS DESIGNED FOR DISTRIBUTION OR EXPORT MAY ONLY BE PRODUCED, CONVERTED, OR PREPARED BY FACILITIES SPECIFICALLY AUTHORIZED FOR THAT PURPOSE BY THE MINISTRY OF THE CHEMICAL INDUSTRY FOLLOWING APPROVAL BY THE GOVERNMENT COMMITTEE FOR RESEARCH AND PEACEFUL USES OF ATOMIC ENERGY. IT SETS REGULATIONS FOR THE ALLOCATION OF MANUFACTURED OR IMPORTED RADIOELEMENTS, THE MAINTAINING OF REGISTERS, AND IT AUTHORIZES ONLY THOSE FACILITIES POSSESSING THE NECESSARY LICENSE TO HOLD OR USE RADIOELEMENTS. DURING THE PRODUCTION, CONVERSION, PREPARATION, SALE, STORAGE OR TRANSPORT OR USE OF THESE ELEMENTS, MEASURES MUST BE TAKEN TO PREVENT HAZARDS TO PUBLIC HEALTH. AGENCIES OF THE HYGIENE AND EPIDEMIC CONTROL SERVICE ARE ASSIGNED RESPONSIBILITY FOR THE PROTECTION OF HEALTH AGAINST RADIATION. ORIGINAL TEXT IS IN UREDNI LIST; MAY 17, 1956, P. 287-288.

CZECHOSLOVAKIA "MARCH 21, 1963 ORDER NO. 34 . . . CONCERNING HEALTH PROTECTION AGAINST IONIZING RADIATION . . ." INT. DIG. OF HLTH, LEG., V. 15
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/64 PGS 80-102 EPA ID# 01083A

THIS ORDER, ISSUED BY THE MINISTER OF HEALTH AND THE MINISTER OF THE CHEMICAL INDUSTRY, CONCERN HEALTH PROTECTION AGAINST IONIZING RADIATION AND THE HANDLING OF SOURCES OF IONIZING RADIATION. THE ORDER COVERS THE RESPONSIBILITIES OF BOTH ENTERPRISES AND WORKERS; CONSTRUCTION INVOLVING RADIATION SOURCES; THE TRANSPORT OF RADIOELEMENTS, USE OF THESE ELEMENTS; LICENSING REQUIREMENTS FOR THE PURCHASE, USE, AND STORAGE OF RADIOACTIVE SUBSTANCES; THEIR PRODUCTION AND DISTRIBUTION; AND INSPECTION PROCEDURES. A MAJOR PROVISION OF THE ORDER DEALS WITH THE PROTECTION OF THE ENVIRONMENT, THE AVOIDANCE OF ATMOSPHERIC RADIATION POLLUTION, AND THE DISCHARGE, DISPOSAL, AND TREATMENT OF RADIOACTIVE WASTES. ANNEXES AND TABLES LIST MAXIMUM PERMISSIBLE RADIATION DOSES AND CONCENTRATIONS, BIOLOGICAL EFFECTS OF VARIOUS TYPES OF IONIZING RADIATION, MAXIMUM PERMISSIBLE EXPOSURE DOSES AND MAXIMUM NEUTRON FLUXES, AND CLASSIFICATION OF RADIOACTIVE ISOTOPES. THE OFFICIAL CZECH VERSION OF THIS ORDER APPEARS IN SBIRKA ZAKONU, APRIL 25, 1963, P. 129-150.

DENMARK "MAR. 31, 1953, LAW NO. 94 ON THE USE, ETC., OF RADIOACTIVE SUBSTANCES."
INT. DIG. OF HLTH. LEG., V. 5
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/54 PGS 520-21 EPA ID# 01461A

THIS LAW REQUIRES LICENSING FOR THE MANUFACTURING, IMPORTING OR OWNERSHIP OF ANY TYPE OF RADIOACTIVE SUBSTANCE, WHETHER IN A FREE STATE OR MIXED WITH OTHER SUBSTANCES OR INCORPORATED IN MACHINES OR INSTRUMENTS. THE MINISTER OF THE INTERIOR AND HOUSING IS TO ISSUE ORDERS SPECIFYING PRECAUTIONARY MEASURES TO BE TAKEN DURING THE IMPORTATION, PRODUCTION, USE, STORAGE, DISPOSAL OR TRANSPORTATION OF SUCH SUBSTANCES. THE NATIONAL HEALTH SERVICE, WITH THE ASSISTANCE OF CONSULTANTS APPOINTED BY THE MINISTER OF THE INTERIOR AND HOUSING, IS CHARGED WITH SUPERVISING OBSERVANCE OF SUCH MEASURES, IN ACCORDANCE WITH DETAILED ORDERS TO BE ISSUED BY THE MINISTER. THE MINISTER IS ALSO EMPOWERED TO GRANT EXEMPTIONS TO THE PROVISIONS OF THIS LAW TO MILITARY AUTHORITIES AND ESTABLISHMENTS. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, APR. 4, 1953, NO. A-X, PP. 193-94.)

DENMARK "MAR. 31, 1953 ORDER NO. 127 ON EXCEPTIONS TO LAW ON RADIOACTIVE SUBSTANCES." INT. DIG. OF HLTH. LEG., V. 5
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/54 PGS 521-22 EPA ID# 01461B

THIS ORDER, MADE PURSUANT TO THE "MAR. 31, 1953, LAW NO. 94 ON THE USE, ETC. OF RADIOACTIVE SUBSTANCES," SPECIFIES SUBSTANCES FOR THE IMPORTATION AND POSSESSION OF WHICH NO LICENSE IS REQUIRED, AMONG OTHERS, URANIUM WITH LOW THORIUM CONTENT, AS WELL AS NATURAL RADIOACTIVE ELEMENTS NOT BELONGING TO THE URANIUM-RADIUM, URANIUM-ACTINUM OR THORIUM GROUPS. FURTHERMORE, INSTITUTES, LABORATORIES AND HOSPITALS MEETING CERTAIN CONDITIONS HERE SPECIFIED ARE PERMITTED TO IMPORT OR POSSESS RADIOACTIVE SUBSTANCES. CONDITIONS UNDER WHICH IMPORTERS AND PRODUCERS OF INSTRUMENTS CONTAINING RADIOACTIVE MATERIALS MAY SELL AND TRANSFER SUCH INSTRUMENTS ARE ALSO GIVEN. THE EXCEPTIONS SPECIFIED IN THIS ORDER DO NOT, HOWEVER, EXEMPT THE POSSESSOR OF THE SUBSTANCES AND INSTRUMENTS REFERRED TO FROM OBSERVING ORDERS ON PRECAUTIONARY MEASURES MADE PURSUANT TO THE MARCH 31, 1953 LAW. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, MAY 4, 1953, NO. A-XV, PP. 365-366.)

RADIATION

DENMARK "MARCH 30, 1962, LAW NO. 112 AMENDING THE LAW CONCERNING THE GENERAL PROTECTION OF WORKERS." INT. DIG. OF HLTH. LEG., V. 15
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/64 PGS 105 EPA ID# 01462A

THIS LAW AMENDS THE "JUNE 11, 1954 LAW CONCERNING THE GENERAL PROTECTION OF WORKERS" BY ADDING, AMONG OTHER THINGS, A SECTION RELATING TO THE PROTECTION OF WORKERS AGAINST IONIZING RADIATIONS. THE NEW PROVISIONS STIPULATE THAT: IN OCCUPATIONS IN WHICH WORKERS ARE EXPOSED TO IONIZING RADIATION, NECESSARY MEASURES MUST BE TAKEN TO ENSURE PROTECTION AGAINST ANY RISK OF ACCIDENT OR DANGER TO HEALTH; NO WORKER MAY BE EMPLOYED OR RETAINED, AGAINST THE ADVICE OF A COMPETENT PHYSICIAN, IN AN OCCUPATION INVOLVING EXPOSURE TO IONIZING RADIATION; THE MINISTER OF SOCIAL AFFAIRS, IN CONSULTATION WITH THE DIRECTOR OF LABOR INSPECTION, THE LABOR COMMISSION, AND THE MINISTER OF THE INTERIOR, MAY ISSUE REGULATIONS RELATING TO WORK WHICH EXPOSES WORKERS TO IONIZING RADIATIONS, AND, IN PARTICULAR, MAY DETERMINE THE MAXIMUM PERMISSIBLE DOSES. THE MINISTER MAY ALSO ENACT REGULATIONS PROHIBITING THE EMPLOYMENT OF CERTAIN CATEGORIES OF WORKERS FOR SUCH WORK. (THE ORIGINAL TEXT IS IN LOVTIDENDE FOR KONGERIGET DANMARK, NO. 9, APR. 12, PP. 111-12).

DENMARK "MAY 16, 1962, LAW NO. 170 ON NUCLEAR PLANTS (ATOM LAW)." INT. DIG. OF HLTH. LEG., V. 15
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/64 PGS 107 EPA ID# 01463A

ACCORDING TO THE PROVISIONS OF THIS LAW, NUCLEAR PLANTS MAY BE CONSTRUCTED AND PUT INTO OPERATION ONLY WITH THE APPROVAL OF THE PRIME MINISTER. COMPLIANCE WITH SAFETY STANDARDS IS A PREREQUISITE FOR THIS APPROVAL. MATTERS REGARDING CONSTRUCTION AND OPERATION OF NUCLEAR PLANTS COME UNDER THE CONTROL OF THE ATOMIC ENERGY COMMISSION AND THE NATIONAL HEALTH BOARD, REPRESENTATIVES OF WHICH ARE GIVEN THE RIGHT TO ENTER THE PLANTS AT ANY TIME TO CONDUCT INSPECTIONS AND TO ORDER NECESSARY SAFETY MEASURES. RADIOISOTOPES NOT IN NUCLEAR PLANTS AND THOSE INTENDED FOR USE, AMONG OTHER THINGS, FOR MEDICAL OR SCIENTIFIC PURPOSES, ARE NOT COVERED BY THIS LAW. (FOR THE ORIGINAL TEXT OF THIS LAW SEE LOVTIDENDE FOR KONGERIGET DANMARK, PART A, MAY 28, 1962, NO. 14, PP. 606-613.)

FINLAND "JUNE 28, 1958 WORK SAFETY ACT "O. 299" SUOMEN ASETUSKOKOELMA, V. 1958

LR(A) FINNISH 06/28/58 PGS 631-638 EPA ID# 01105A
*AIR NOISE

RADIATION

FINLAND "APRIL 26, 1957 LAW NO. 174 ON RADIATION PROTECTION." INT. DIG. OF HLTH. LEG., V. 9
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/58 PGS 474-478 ID# 01111A

THIS LAW DEFINES RADIATION, WITHIN THE CONTEXT OF THIS LEGISLATION, AS X-RAYS EXCEEDING 5000 VOLTS, PARTICULATE RAYS, AND RADIATION PRODUCED BY NATURAL AND ARTIFICAL RADIOACTIVE SUBSTANCES. THE LAW BANS THE PRODUCTION, USE, TRANSPORT, AND POSSESSION OF RADIOACTIVE SUBSTANCES AND THE USE OF EQUIPMENT PRODUCING RADIATIONS UNLESS A SPECIAL LICENSE HAS BEEN GRANTED EITHER BY THE MINISTRY OF THE INTERIOR (IN THE CASE OF MEDICAL ACTIVITIES) OR BY THE MINISTRY OF TRADE AND INDUSTRY (IN OTHER CASES). THE AUTHORITY TO ISSUE LICENSES MAY, HOWEVER, BE SUBSEQUENTLY ASSIGNED TO ANOTHER AGENCY OR INSTITUTION. THE LAW COVERS PROCEDURES ON THE APPLICATION FOR OR THE CANCELLATION OF LICENSES. IT FURTHER STATES THAT THE SAFE DISPOSAL OF RADIOACTIVE WASTES IS THE RESPONSIBILITY OF THE OWNER OR POSSESSOR OF THE WASTES. AN ADVISORY BOARD IS ESTABLISHED FOR THE PRELIMINARY EXAMINATION OF MATTERS RELATING TO THE PREVENTION OF THE HARMFUL EFFECTS OF RADIATION. THE OFFICIAL VERSION APPEARS IN SUOMEN ASETUSKOKOELMA, MAY 3, 1957, P. 415-418.

FINLAND "SEPTEMBER 27, 1957 DECREE NO. 328 ON RADIATION PROTECTION." INT. DIG. OF HLTH. LEG., V. 9
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/58 PGS 478-485 ID# 01111B

THIS DECREE DEALS WITH PROTECTION FROM RADIATION DANGERS EMANATING FROM X-RAY DEVICES, EQUIPMENT FOR THE PRODUCTION OF PARTICULATE RAYS, AND THE PRODUCTION, USE, IMPORTATION AND EXPORTATION, POSSESSION OF OR TRADE IN RADIOACTIVE SUBSTANCES AND WITH THE SAFE DISPOSAL OF RADIOACTIVE WASTES. THE DECREE PRESCRIBES REQUIREMENTS FOR APPLICATIONS TO THE LICENSING AUTHORITY FOR PERMISSION TO HANDLE OR USE RADIOACTIVE SUBSTANCES AND RADIATION-EMITTING EQUIPMENT. IT ASSIGNS TO THE INSTITUTE OF RADIOPHYSICS, OPERATING UNDER THE MINISTRY OF THE INTERIOR, THE RESPONSIBILITY FOR THE OBSERVATION OF THE RADIATION PROTECTION LAW AND OF THIS DECREE. THE OFFICIAL FINNISH/SWEDISH VERSION OF THIS DECREE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, OCT. 5, 1957, P. 651-655.

FINLAND "JANUARY 8, 1965 LAW NO. 1 TO AMEND THE LAW RELATING TO PROTECTION AGAINST IONIZING RADIATION." INT. DIG. OF HLTH. LEG., V. 17
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/66 PGS 312 ID# 01111C

THIS LAW AMENDS THE APRIL 26, 1957 LAW ON RADIATION PROTECTION BY INTRODUCING A PROVISION ON THE PROTECTION OF WORKERS AGAINST RADIATION HAZARDS. THE AMENDMENT SPECIFIES THAT PERSONS UNDER 18 YEARS OF AGE AND PERSONS WHO HAVE NOT BEEN DECLARED SUITABLE ON THE BASIS OF A MEDICAL EXAMINATION MAY NOT BE ASSIGNED TO WORK THAT EXPOSES THEM CONTINUOUSLY TO THE DANGER OF IRRADIATION. PERSONS WHO ARE ASSIGNED TO THIS WORK MUST UNDERGO REQUIRED MEDICAL TESTS. THE LAW ALSO SPECIFIES CASES OF EXEMPTION FROM ITS PROVISIONS. THE OFFICIAL FINNISH/SWEDISH VERSION OF THIS LAW APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, JAN. 14, 1965, P. 1.

FINLAND

AUGUST 30, 1968 ORDINANCE NO. 545 TO AMEND THE ORDINANCE ON RADIATION PROTECTION." INT. DIG. OF HLTH. LEG., V. 20
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/69 PGS 435 EPA ID# 01111D

THIS AMENDING ORDINANCE TO THE SEPT. 27, 1957 RADIATION ORDINANCE DESCRIBES SPECIFIC CASES IN WHICH A LICENSE IS NOT REQUIRED FOR THE INSTALLATION OF RADIATION-PRODUCING EQUIPMENT OR FOR THE USE OF RADIOACTIVE SUBSTANCES. IN THESE CASES, SO LITTLE RADIATION IS EMITTED THAT NO HARMFUL EFFECT ON HEALTH OCCURS. THE ORDINANCE ALSO AMENDS SECT. 24 OF THE 1957 LAW BY SPECIFYING THAT WORK IN WHICH A PERSON IS CONTINUOUSLY EXPOSED TO DANGEROUS RADIATION SO THAT HIS EXPOSURE DOSAGE AMOUNTS TO ONE-THIRD OF THE MAXIMUM PERMISSIBLE AMOUNT SHALL BE CONSIDERED AS WORK INCURRING A HEALTH HAZARDS WITHIN THE MEANING OF SECT. 8 OF THE 1957 LAW. THE OFFICIAL FINNISH/SWEDISH VERSION OF THIS ORDINANCE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, SEPT. 16, 1968, P. 1419.

FINLAND

"NOVEMBER 5, 1968 DECREE NO. 594 OF THE MINISTRY OF SOCIAL WELFARE AND HEALTH CONCERNING RADIATION PROTECTION." INT. DIG. OF HLTH. LEG., V. 20
WORLD HEALTH ORGANIZATION, COMP.

LP(A) ENGLISH 00/00/69 PGS 436-452 EPA ID# 01111E

THIS DECREE SETS THE MAXIMUM PERMISSIBLE RADIATION DOSES AND THE PERMISSIBLE RADIONUCLIDE CONCENTRATIONS IN THE AIR AND IN DRINKING WATER. IT COVERS EXEMPTIONS FROM LICENSING REQUIREMENTS, INSPECTION AND CONTROL OF THE INSTALLATION AND CONSTRUCTION OF EQUIPMENT PRODUCING RADIATION, AND GENERAL PROVISIONS RELATING TO X-RAY DEVICES AND RADIOACTIVE SUBSTANCES (INCLUDING SEALED AND UNSEALED SOURCES, STORAGE, RADIOACTIVE WASTES, TRANSPORT, AND PREVENTION OF DISPERSION). THE DECREE ALSO DEALS WITH WORK METHODS AND MEDICAL EXAMINATIONS, WITH RADIOACTIVE SUBSTANCES USED FOR MEDICAL PURPOSES. ANNEXES TO THE DECREE COVER VALUES OF QUALITY FACTORS, RADIONUCLIDE CONCENTRATIONS, LIMITING VALUES AND CLASSIFICATION OF NUCLIDES, CALUCLATIONS FOR PRIMARY AND SECONDARY SHIELDING, AND THE CLASSIFICATION OF LABORATORIES. THE OFFICIAL FINNISH/SWEDISH VERSION OF THIS DECREE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, NOV. 7, 1968, P. 1535-1569.

FINLAND

"OCTOBER 25, 1957 LAW NO. 356 ON ATOMIC ENERGY." INT. DIG. OF HLTH. LEG., V. 9
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/58 PGS 499-501 EPA ID# 01112A

THIS LAW REQUIRES SPECIAL LICENSING FOR THE PRODUCTION OF SUBSTANCES (URANIUM AND THORIUM, THE ATOMIC FUELS U 235, U 233, PU 239 AND THEIR FUEL COMPOUNDS) SUITED FOR THE EXTRACTION OF ATOMIC ENERGY AND FOR THE TRADE, POSSESSION, TRANSPORT, AND USE OF THESE SUBSTANCES. LICENSES AREGRANTED BY THE MINISTRY OF TRADE AND INDUSTRY UPON APPLICATION, ALTHOUGH THE RIGHT TO ISSUE THESE LICENSES MAY BE CONFERRED BY DECREE ON ANOTHER AUTHORITY OR INSTITUTION. THIS SPECIAL LICENSE IS ALSO REQUIRED FOR THE IMPORTATION OR EXPORTATION OF ANY SUBSTANCE SUITED FOR THE EXTRACTION OF ATOMIC ENERGY AND FOR ANY ORE OR ENRICHMENT PRODUCT CONTAINING SUCH SUBSTANCES. THE LAW ALSO ESTABLISHES AN ADVISORY BOARD FOR THE PRELIMINARY EXAMINATION OF MATTERS RELATING TO ATOMIC ENERGY. THE BOARD IS AUTHORIZED FREE ACCESS TO ATOMIC INSTALLATIONS FOR THE STORAGE AND SAFE DISPOSAL OF RADIOACTIVE WASTES. THE OFFICIAL FINNISH/SWEDISH TEXT OF THIS LAW APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, OCT. 31, 1957, P. 725-727.

FINLAND "APRIL 6, 1962 ORDINANCE NO. 283 ON PRECAUTIONARY MEASURES FOR THE PROTECTION OF WATERS." INT. DIG. OF HLTH. LEG., V. 14
WORLD HEALTH ORGANIZATION, COMP.

LP(A) ENGLISH 00/00/63 PGS 253-256 EPA ID# 01113B
*WATER

JAPAN "THE ATOMIC ENERGY BASIC LAW (LAW NO. 186, DEC. 19, 1955)." ATOMIC ENERGY LAWS OF JAPAN

LP(A) ENGLISH 01/00/65 PGS 1-7 LOC ID# 01300A

THIS GENERAL LAW DEALS WITH THE DEVELOPMENT OF NUCLEAR ENERGY FOR PEACEFUL PURPOSES. INDIVIDUAL CHAPTERS PROVIDE FOR THE ESTABLISHMENT OF THE ATOMIC ENERGY COMMISSION AS WELL AS FOR THE ATOMIC ENERGY RESEARCH INSTITUTE AND THE NUCLEAR FUEL CORPORATION; CONTAIN PROVISIONS DEALING WITH THE DEVELOPMENT AND ACQUISITION OF MINERALS USED IN THE PRODUCTION OF NUCLEAR ENERGY; PROVIDE FOR CONTROLS OVER NUCLEAR FUEL MATERIALS AND REACTORS; AND DEAL WITH PROCEDURES FOR PATENTING INVENTIONS. ARTICLE 20, WHICH DEALS WITH PROTECTION FROM RADIATION HAZARDS, STIPULATES THAT LAWS SHALL BE SET UP TO PROVIDE FOR "THE REGULATION OF THE MANUFACTURE, SALE, USE, MEASUREMENT, ETC. AND ANY OTHER SAFETY AND HYGIENIC MEASURES RELATING TO RADIOACTIVE MATERIALS AND RADIATION GENERATING APPARATUSES, TO PROTECT FROM RADIATION HAZARDS AND TO SECURE THE PUBLIC SAFETY.

JAPAN "THE LAW FOR THE ESTABLISHMENT OF THE ATOMIC ENERGY COMMISSION (LAW NO. 188, DEC. 19, 1955)." ATOMIC ENERGY LAWS OF JAPAN.

LP(A) ENGLISH 01/00/65 PGS 7-14 LOC ID# 01301A

THIS LAW ESTABLISHES THE ATOMIC ENERGY COMMISSION IN THE PRIME MINISTER'S OFFICE FOR THE GENERAL PURPOSE OF PROMOTING "DEMOCRATIC OPERATION OF ADMINISTRATION CONCERNING THE RESEARCH, DEVELOPMENT AND UTILIZATION OF ATOMIC ENERGY." ARTICLE 2 OUTLINES MATTERS OF CONCERN TO THE COMMISSION. THE COMMISSION SHALL CONSIST OF A CHAIRMAN AND SIX COMMISSIONERS, THREE OF WHOM MAY BE APPOINTED ON A PART-TIME BASIS. THE MINISTER OF STATE, WHO IS THE DIRECTOR-GENERAL OF THE SCIENCE AND TECHNOLOGY AGENCY, SHALL BE CHAIRMAN. THE COMMISSIONERS SHALL BE APPOINTED BY THE PRIME MINISTER, WITH THE CONSENT OF BOTH HOUSES OF THE DIET, AND SHALL SERVE FOR THREE-YEAR TERMS. THE CHAIRMAN SELECTS FROM AMONG THE FULL-TIME COMMISSIONERS THE MEMBER WHO WILL ACT IN HIS ABSENCE. THE LAW ALSO PROVIDES FOR A COMMITTEE ON EXAMINATION OF REACTOR SAFETY IN THE ATOMIC ENERGY COMMISSION.

JAPAN "THE JAPAN ATOMIC ENERGY RESEARCH INSTITUTE LAW (LAW NO. 92, MAY 4, 1956)." ATOMIC ENERGY LAWS OF JAPAN

LP(A) ENGLISH 01/00/65 PGS 15-30 LOC ID# 01303A

THIS LAW ESTABLISHES THE JAPAN ATOMIC RESEARCH INSTITUTE UNDER THE ATOMIC ENERGY BASIC LAW "TO CARRY OUT RESEARCH, ETC. ON THE DEVELOPMENT OF ATOMIC ENERGY COMPREHENSIVELY AND EFFICIENTLY AND THEREBY CONTRIBUTE TO FOSTER THE RESEARCH, DEVELOPMENT AND UTILIZATION OF ATOMIC ENERGY." THE EXECUTIVE OFFICERS ARE TO BE: THE CHAIRMAN OF THE BOARD OF DIRECTIONS, THE VICE CHAIRMAN, AND NO MORE THAN SEVEN DIRECTORS, ALL APPOINTED BY THE PRIME MINISTER FOR FOUR-YEAR TERMS, AND TWO OR LESS AUDITORS APPOINTED FOR TWO YEARS. ALL OFFICERS MAY BE REAPPOINTED. ELIGIBILITY OF EXECUTIVE OFFICERS AND CONDITIONS UNDER WHICH THEY MAY BE REMOVED ARE DISCUSSED. THE INSTITUTE'S CAPITAL MAY COME FROM PRIVATE SOURCES AS WELL AS FROM THE GOVERNMENT, BUT THE GOVERNMENT MUST ALWAYS HOLD A CONTROLLING MAJORITY. CHAPTER 3 LISTS THE CONCERNS OF THE INSTITUTE. CHAPTER 4 DEALS WITH FINANCES AND ACCOUNTS. CHAPTER 5 PLACES THE INSTITUTE UNDER THE SUPERVISION OF THE PRIME MINISTER. CHAPTER 7 PROVIDES FOR PENALTIES FOR OFFICERS OR EMPLOYEES VIOLATING THE CONDITIONS OF THEIR APPOINTMENTS.

JAPAN "THE NUCLEAR FUEL CORPORATION LAW (LAW NO. 94, MAY 4, 1956)." ATOMIC ENERGY LAWS OF JAPAN

LP(A) ENGLISH 01/00/65 PGS 31-43 LOC ID# 01304A

THIS LAW ESTABLISHES THE NUCLEAR FUEL CORPORATION UNDER THE ATOMIC ENERGY BASIC LAW "TO CONDUCT COMPREHENSIVELY AND EFFICIENTLY THE EXPLOITATION OF NUCLEAR FUEL MATERIALS AND THEREBY TO CONTRIBUTE TO PROMOTING THE DEVELOPMENT AND UTILIZATION OF ATOMIC ENERGY." THE CORPORATION, WITH HEADQUARTERS IN TOKYO, IS TO BE COMPLETELY OWNED BY THE GOVERNMENT. THE EXECUTIVE OFFICERS ARE: THE CHAIRMAN AND VICE CHAIRMAN OF THE BOARD OF DIRECTORS, NOT MORE THAN FIVE DIRECTORS, ALL TO BE APPOINTED BY THE PRIME MINISTER WITH THE CONSENT OF THE ATOMIC ENERGY COMMISSION FOR FOUR YEARS, AND NO MORE THAN TWO AUDITORS, APPOINTED FOR TWO YEAR TERMS. ELIGIBILITY CONDITIONS FOR OFFICERS AND CIRCUMSTANCES UNDER WHICH THEY MAY BE DISMISSED ARE COVERED IN ARTICLES 12 TO 14. CORPORATION EMPLOYEES ARE TO BE APPOINTED BY THE CHAIRMAN. CHAPTER 3 LISTS THE CONCERNS OF THE CORPORATION, CHAPTER 5 DETAILS THE SUPERVISORY ROLE OF THE PRIME MINISTER, AND CHAPTER 7 DEALS WITH PENALTIES FOR OFFICERS OR EMPLOYEES VIOLATING THE CONDITIONS OF THEIR APPOINTMENTS.

JAPAN "THE LAW FOR THE REGULATION OF NUCLEAR SOURCE MATERIAL, NUCLEAR FUEL MATERIAL AND REACTORS. (LAW NO. 166, JUNE 10, 1957)." ATOMIC ENERGY LAWS OF JAPAN

LOC

LR(A) ENGLISH 01/00/65 PGS 44-102 ID# 01305A

THIS LAW SPECIFIES REGULATIONS ON VARIOUS ACTIVITIES INVOLVING NUCLEAR SOURCE MATERIALS, NUCLEAR FUELS AND REACTORS. INDIVIDUAL CHAPTERS CONTAIN REGULATIONS ON THE REFINING BUSINESS, ON THE PRODUCTION OF NUCLEAR FUELS, ON THE ESTABLISHMENT, OPERATION, ETC. OF REACTORS, ON THE REPROCESSING BUSINESS, ON THE USES OF NUCLEAR FUEL MATERIALS, AND ON THE USES OF INTERNATIONALLY CONTROLLED MATERIAL. EACH CHAPTER CONTAINS PROVISIONS STIPULATING THAT THE FACILITIES IN QUESTION BE LOCATED, BUILT, AND EQUIPPED SO AS NOT TO HINDER THE PREVENTION OF ACCIDENTS FROM NUCLEAR SOURCE MATERIAL OR NUCLEAR FUEL MATERIAL. PROVISIONS ARE ALSO MADE THAT SAFETY REGULATIONS TO PREVENT ACCIDENTS INVOLVING NUCLEAR MATERIALS BE LAID DOWN BY THE ENTREPRENEUR AND APPROVED BY THE PRIME MINISTER AND THE MINSTER OF INTERNATIONAL TRADE AND INDUSTRY BEFORE AN ENTERPRISE BEGINS. ACTIONS TO BE TAKEN WHEN SAFETY REGULATIONS ARE FOUND INADEQUATE ARE SPECIFIED UNDER EACH SECTION, AND PENAL PROVISIONS FOR THOSE NOT TAKING ADEQUATE SAFETY DETAILED IN CHAPTER 8.

JAPAN "THE LAW CONCERNING PREVENTION FROM RADIATION HAZARDS DUE TO RADIOISOTOPES, ETC. (LAW NO. 167, JUNE 10, 1957)." ATOMIC ENERGY LAWS OF JAPAN

LOC

LR(A) ENGLISH 01/00/65 PGS 103-143 ID# 01306A

THE PURPOSE OF THIS LAW, AS STATED IN ARTICLE 1, IS TO PREVENT POSSIBLE RADIATION HAZARDS AND TO SECURE PUBLIC SAFETY, BY REGULATING THE USE, SALE, DISPOSAL AND OTHER HANDLING OF MATERIALS CONTAINING RADIOISOTOPES AS WELL AS BY REGULATING ACTIVITIES INVOLVING RADIATION GENERATING APPARATUSES. VARIOUS CHAPTERS OF THE LAW DEAL WITH: PERMISSION FOR USE OF RADIOISOTOPES, AS WELL AS PROVISIONS FOR REPORTING ON THEIR USE AND PERMISSION FOR SELLING AND DISPOSING OF THEM: OBLIGATIONS OF THE USER, SELLER, AND DISPOSER; AND THE QUALIFICATIONS NECESSARY FOR PERSONS IN CHARGE OF HANDLING RADIATION. ADMINISTRATION OF THE LAW IS UNDER THE SCIENCE AND TECHNOLOGY AGENCY, WHICH IS CHARGED WITH APPOINTING RADIATION INSPECTORS TO CARRY OUT NECESSARY INVESTIGATIONS. PENALTIES FOR PERSONS WHO CAUSE INJURY OR DEATH THROUGH MISHANDLING RADIOISOTOPES OR WHO IN OTHER WAYS VIOLATE THE PROVISIONS OF THE LAW ARE PROVIDED FOR IN ARTICLES 51 THROUGH 59.

JAPAN "THE LAW ON COMPENSATION FOR NUCLEAR DAMAGE (LAW NO. 147, JUNE 17, 1961)." ATOMIC ENERGY LAWS OF JAPAN.

LOC

LR(A) ENGLISH 01/00/65 PGS 144-56 ID# 01307A

THIS LAW ESTABLISHES THE BASIC SYSTEM TO PROVIDE FOR COMPENSATION OF PERSONS SUFFERING INJURY FROM THE EFFECTS OF THE FISSION PROCESS OF NUCLEAR FUEL MATERIAL, FROM THE EFFECTS OF RADIATION OF NUCLEAR FUEL MATERIAL OR MATERIALS CONTAMINATED BY NUCLEAR FUEL MATERIAL, OR FROM THE EFFECTS OF THE TOXIC NATURE OF SUCH MATERIALS. INJURIES SUFFERED BY NUCLEAR ENTREPRENEURS OR THEIR EMPLOYEES IN THE COURSE OF PERFORMING THEIR PROFESSIONAL DUTY ARE, HOWEVER, EXCLUDED. VARIOUS CHAPTERS OF THE LAW DEAL WITH THE ASSIGNMENT OF LIABILITY FOR NUCLEAR INJURIES, PROVIDE THAT OPERATORS OF NUCLEAR REACTORS, ETC. MUST CARRY LIABILITY INSURANCE TO COVER CASES OF INJURY, AND CONTAIN PROVISIONS BY WHICH THE GOVERNMENT UNDERTAKES TO INDEMNIFY A NUCLEAR ENTREPRENEUR FOR HIS LOSS ARISING FROM COMPENSATING FOR NUCLEAR INJURIES TO AMOUNTS NOT COVERED BY SUCH INSURANCE. THE ESTABLISHMENT OF A COMMITTEE TO SETTLE DISPUTES ARISING FROM COMPENSATION CASES IS ALSO PROVIDED FOR. PROVISIONS FOR REPORTING NUCLEAR INJURIES AND PENALTIES FOR VIOLATIONS OF THE LAW ARE ALSO INCLUDED.

JAPAN "THE LAW ON INDEMNITY AGREEMENT FOR COMPENSATION OF NUCLEAR DAMAGE (LAW NO. 148, JUNE 17, 1961) "ATOMIC ENERGY LAWS OF JAPAN

LF(A) ENGLISH 01/00/65 PGS 157-63 LOC ID# 01308A

THIS LAW, WHICH RELATES TO PROVISIONS OF "THE LAW ON COMPENSATION FOR NUCLEAR DAMAGE," PROVIDES THAT THE GOVERNMENT MAY CONCLUDE WITH A NUCLEAR ENTREPRENEUR AN AGREEMENT UNDER WHICH THE GOVERNMENT UNDERTAKES TO INDEMNIFY THE ENTREPRENEUR FOR CERTAIN TYPES OF NUCLEAR INJURY NOT COVERED BY LIABILITY INSURANCE. INDEMNIFIABLE LOSSES INCLUDE THOSE RESULTING FROM NUCLEAR INJURY CAUSED BY EARTHQUAKE OR ERUPTION AS WELL AS THOSE OCCURRING IN THE COURSE OF NORMAL OPERATIONS. VARIOUS ARTICLES DEAL WITH THE AMOUNT CONTRACTED FOR UNDER THE INDEMNITY AGREEMENT, THE PERIOD OF THE INDEMNITY AGREEMENT, THE DETERMINATION OF THE INDEMNITY FEE, AND PAYMENTS FROM THE INDEMNITY AGREEMENT. FURTHERMORE, THE NUCLEAR ENTREPRENEUR IS OBLIGED TO INFORM THE GOVERNMENT ABOUT IMPORTANT FACTS RELATED TO OR CHANGES IN THE OPERATION OF THE REACTOR OR OTHER DEVICE. THE CONDITIONS UNDER WHICH THE GOVERNMENT MAY CANCEL AN INDEMNITY AGREEMENT ARE ALSO DETAILED. THIS LAW IS TO BE ADMINISTERED BY THE DIRECTOR-GENERAL OF THE SCIENCE AND TECHNOLOGY AGENCY.

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, MARCH, 1973." DEPT. OF STATE AIRGRAM, A-371
U.S. DEPT. OF STATE EPA

PM(A) ENGLISH 04/17/73 PGS 1-13 ID# 01520A
ALSO IRB, ST
*GENERAL AIR WATER

JAPAN THE USE OF ISOTOPES AND RADIATION FOR AGRICULTURE IN JAPAN.
JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY EPA

ST( ) ENGLISH 01/00/72 PGS 1-163 ID# 01503A
PESTICIDES WATER

THIS PUBLICATION WAS PREPARED TO ILLUSTRATE HOW THE NATIONAL INSTITUTIONS OF THE MINISTRY OF AGRICULTURE AND FORESTRY HAVE CARRIED OUT RESEARCH BY USE OF RADIO-ISOTOPES TO CONTRIBUTE TO THE AMELIORATION OF AGRICULTURE, FORESTRY, AND FISHERIES. AMONG THE CHAPTER HEADINGS ARE THE FOLLOWING USE OF IONIZING RADIATION: PLANT BREEDING, FOOD PRESERVATION, PROCESSING OF WOOD AND FISHERIES PRODUCTS; USE OF ISOTOPES FOR TRACERS: SOILS AND FERTILIZERS, PESTICIDES RESEARCH, ANIMAL PRODUCTION, ANIMAL HEALTH, DEVELOPMENT AND UTILIZATION OF WATER FOR AGRICULTURAL USE; APPLICATIONS TO SERICULTURE, WOOD TECHNOLOGY, AND FISHERIES; USE OF NEUTRON ACTIVATION ANALYSIS: HISTORICAL REVIEW OF THE EFFECTS OF HEAVY METAL POLLUTION ON AGRICULTURAL PRODUCTION, STUDIES ON THE NEW ACTIVATION ANALYSIS WITH SEPARATION BY ELEMENTS BY FOCUSING-ELECTRO-CHROMATOGRAPHY; SURVEYS AND RESEARCH ON RADIO-CONTAMINATION: CEREAL CROPS, SOIL, BONES OF DOMESTIC ANIMALS, MILK, AND FISH AND OTHER MARINE ORGANISMS.

RADIATION

NETHERLANDS — MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)

ST( ) — DUTCH — 05/00/72 — PGS 1-215 — EPA ID# 00934A
ALSO PMB
*GENERAL AIR WATER PESTICIDES NOISE SOLID WASTE

SPAIN — ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ

PM(A) — SPANISH — 00/00/00 — PGS 1-63 — EPA ID# 01134A
ALSO LRB
*GENERAL AIR WATER SOLID WASTE PESTICIDES NOISE

SOLID WASTE

DENMARK — LOV OM BORTSKAILELSE M.V. AF OLIE- OG KEMIKALIEAFFALD (LOV NR. 178 AF 24 MAJ 1972). (MAY 24, 1972, ACT NO. 178, ON THE DISPOSAL OF OIL AND CHEMICAL WASTES.)

LR(A) — DANISH — 05/24/72 — PGS 1 — EPA ID# 01445A

THIS ACT EMPOWERS THE MINISTER FOR POLLUTION CONTROL TO LAY DOWN REGULATIONS DEALING WITH THE STORAGE, TRANSPORT OR DISPOSAL OF WASTE PRODUCTS ORIGINATING FROM INDUSTRIAL OR OTHER USES OF OIL AND CHEMICALS. VARIOUS SECTIONS DEAL WITH THE GRANTING OF PERMISSION FOR DISPOSING OF SUCH WASTES, THE OBLIGATION OF CONCERNS PRODUCING SUCH WASTES TO SUPPLY INFORMATION ON THEIR TYPE, QUANTITY AND COMPOSITION, AND THE IMPOSITION OF TAXES ON WASTE PRODUCERS. THE ROLE OF THE MUNICIPAL COUNCILS IN IMPLEMENTING THE PROVISIONS OF THE ACT IS DETAILED.

FRANCE — "CURRENT ENVIRONMENTAL ISSUES IN FRANCE." DEPARTMENT OF STATE AIRGRAMS, AMEMBASSY PARIS, A-825
U.S. STATE DEPARTMENT

PM(A) — ENGLISH — 09/20/72 — PGS 1-5 — EPA ID# 01713A
ALSO LRB
*GENERAL WATER AIR NOISE

SOLID WASTE

GERMANY,FED REP OF "'UMWELT' SURVEY ON PLANT COMMISSIONERS FOR ENVIRONMENTAL PROTECTION: THE PRO'S AND CON'S BALANCE THE SCALE." UMWELT
FREY, PETER
PM(A) GERMAN 01/00/72 PGS 16; 18-19 EPA ID# 01352A
ALSO LRB
*GENERAL AIR WATER NOISE

GERMANY,FED REP OF UMWELT; FORSCHING, GESTALTUNG, SCHUTZ (ENVIRONMENT: RESEARCH, ORGANIZATION, PROTECTION), NO. 3
ST( ) GERMAN 07/00/72 PGS 1-72 EPA ID# 00980A
ALSO PMA, LRB SE
*GENERAL AIR

GREAT BRITAIN "SCOPE FOR NEW PRODUCTS IF DIRECTORS FACE THE FACTS." THE TIMES
HAWTHORNE, EDWARD
PM(A) ENGLISH 07/05/73 PGS 29 EPA ID# 01325A
ALSO SE AND LRB
*GENERAL

GREAT BRITAIN "CLEANING UP POLLUTION IS NOW BIG BUSINESS." THE TIMES
VIELVOYE, ROGER
PM(A) ENGLISH 07/05/73 PGS 28 EPA ID# 01326A
ALSO SE AND LRB
*WATER AIR NOISE

JAPAN (SOLID WASTE TREATMENT AND MANAGEMENT)
ST( ) ENGLISH 01/24/73 PGS 0 EPA ID# 01501A
VARIOUSLY PAGINATED; ALSO LRB, PM

THESE VARIOUSLY GROUPED DRAFT PAPERS, PREPARED BY THE JAPANESE GOVERNMENT FOR PRESENTATION AT THE FIRST UNITED STATES - JAPAN GOVERNMENTAL CONFERENCE ON SOLID WASTE MANAGEMENT HELD ON JAN. 24, 25, 1973, REPORT ON JAPANESE LEGISLATION IN THE FIELD OF SOLID WASTE TREATMENT, IN REUTILIZATION OF WASTE MATERIALS, THE RECRUITMENT OF MANAGERIAL PERSONNEL FOR WASTE TREATMENT PLANTS, SANITARY LANDFILLS, AND POLICIES FOR THE LOCATION OF WASTE TREATMENT PLANTS.

SOLID WASTE

LUXEMBURG
"JUL 29, 1965 LAW ON CONSERVATION OF NATURE AND NATURAL RESOURCES." PASINOMIE LUXEMBOURGEOISE, V. 37.
KERSCHEN, NICOLAS, COMP.
LR(A) FRENCH 00/00/66 PGS 305-308 EPA ID# 01402A
*GENERAL AIR WATER

NETHERLANDS
MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)
ST( ) DUTCH 05/00/72 PGS 1-215 EPA ID# 00934A
ALSO PMB
*GENERAL AIR WATER PESTICIDES NOISE RADIATION

SPAIN
ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ
PM(A) SPANISH 00/00/00 PGS 1-63 EPA ID# 01134A
ALSO LRB
*GENERAL AIR WATER PESTICIDES RADIATION NOISE

SWITZERLAND
"ZURICH CITY SEWAGE TREATMENT PLANT 'AN DER GLATT.'" BROWN BOVERI REVIEW, V. 59, NO. 10-11
MOPF, E.
ST( ) ENGLISH 11/00/72 PGS 488-495 EPA ID# 00967A

THIS ARTICLE DEALS WITH THE SECOND LARGE SEWAGE TREATMENT PLANT FOR THE CITY OF ZURICH WITH SPECIAL EMPHASIS ON THE ELECTRICAL EQUIPMENT, WHICH WAS SUPPLIED, INSTALLED AND COMMISSIONED BY BROWN BOVERI & COMPANY, THE FIRM IN WHOSE HOUSE JOURNAL THE ARTICLE APPEARS. THE PLANT, WHICH BEGAN SERVICE IN 1971, CAN BIOLOGICALLY AND MECHANICALLY TREAT THE SEWAGE FROM A POPULATION OF 240,000 OR EQUIVALENT. THE ARTICLE INCLUDES SCHEMATIC DRAWINGS OF THE PLANT SITE PLAN AND A DIAGRAM AND FLOW CHART FOR CONTINUOUS OPERATION OF PORTIONS OF THE TWO SEDIMENTATION PLANTS AND RAW SLUDGE PUMPS. ALSO INCLUDED ARE PHOTOGRAPHS OF THE FANS AND ROTARY PISTON BLOWERS, THE CONTROL ROOM, AND A HINGED FRAME WITH DIODES AND RELAYS. THERE IS ALSO A FLOW CHART SHOWING THE PROGRAMMED CONTROL OF SLUDGE TREATMENT.

SOLID WASTE

UNITED NATIONS "EXCERPTS FROM NATIONAL REPORTS." SWEDEN NOW. NO.2

PM(A) ENGLISH 00/00/72 PGS 36-38 ID# 00776A EPA
ALSO SE
*GENERAL NOISE

WATER

BULGARIA "FEB 6, 1951 ORDER ON PROTECTION OF CATCHMENT AREAS," AS AMENDED. INT. DIG. HLTH. LEG., V. 4
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/52 PGS 211-212 ID# 01382A EPA

THIS ORDER AUTHORIZES HEALTH AUTHORITIES TO ESTABLISH SANITARY PROTECTION ZONES AROUND SOURCES OF DRINKING WATER TO PREVENT POLLUTION. THREE ZONES ARE ESTABLISHED. IN ZONE A, ADJACENT TO THE WATER SOURCE, ALL ACTIVITIES OR CONSTRUCTION NOT DIRECTLY RELATED TO WATER SUPPLY SYSTEM IS ARE PROHIBITED. ACCESS TO UNAUTHORIZED PERSONS IS PROHIBITED. ZONE B MAY BE DEVELOPED UNDER SUPERVISION OF HEALTH AUTHORITIES FOR CERTAIN AGRICULTURAL PURPOSES, ROAD CONSTRUCTION, QUARRYING AND SIMILAR OPERATIONS. IN ZONE C, DEVELOPMENT IS PERMISSIBLE WITHOUT SPECIAL APPROVAL, HOWEVER HEALTH AUTHORITIES MAY INTERVENE IN CASE OF HAZARD TO WATER SUPPLY SOURCE. TEXT OF DEC. 12, 1969 AMENDMENT IS IN D'RZHAVEN VESTNIK, DEC. 12, 1969, NO. 96, PAGE 3 (IDHL, 1970, V. 21, PAGE 557). (OFFICIAL TEXT IS IN IZVESTIYA NA PREZIDIUMA NA NARODNOTO S'BRANIE, JAN. 12, 1951, NO. 43, PAGES 2-3).

BULGARIA "JAN. 16, 1955 SANITARY REGULATIONS ON USE OF WASTEWATER FOR IRRIGATION OF MARKET AND FARM CROPS." INT. DIG. HLTH. LEG., V. 7
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/56 PGS 577-580 ID# 01383A EPA

THESE REGULATIONS ESTABLISH SANITARY CONDITIONS UNDER WHICH WASTEWATER MAY BE USED TO IRRIGATE CROPS. AUTHORIZATION BY LOCAL HEALTH AUTHORITIES IS REQUIRED. IT IS PROHIBITED TO USE WASTEWATER FOR IRRIGATION OF LAND IN CASES WHERE POLLUTION OF UNDERGROUND WATER IS LIKELY TO OCCUR. IT IS ALSO PROHIBITED TO DISPOSE OF EXCESS WASTEWATER FROM IRRIGATED LAND INTO PONDS OR WATERCOURSES UNLESS IT HAS BEEN COMPLETELY PURIFIED. (OFFICIAL TEXT IS IN IZVESTIYA NA PREZIDIUMA NA NARODNOTO S'BRANIE, FEB. 8, 1955, NO. 11, P. 8).

WATER

CANADA "NEW FEDERAL PROCEDURES MIGHT HAVE RULED OUT AIRPORT IN PICKERING." GLOBE AND MAIL

EPA

PM(A) ENGLISH 09/19/73 PGS 8 ID# 01243A
ALSO LRB
*GENERAL AIR NOISE

CANADA "DAVIS WILL RELEASE ENVIRONMENTAL DATA." TOPIC GLOBE AND MAIL
CARRUTHERS, JEFF

EPA

PM(A) ENGLISH 09/27/73 PGS 2 ID# 01244A
ALSO LRB
*GENERAL AIR

COMECON "INFORMATION ON THE ACTIVITIES OF THE COUNCIL OF ECONOMIC COOPERATION IN TREATMENT OF ENVIRONMENTAL PROBLEMS." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 8, 1971
RUMYANTSEV, A. AND B. MATE

EPA

PM(A) RUSSIAN 00/00/71 PGS 161-168 ID# 01589A
ALSO ST
*GENERAL AIR RADIATION

COUNCIL OF EUROPE "THE ANTI-POLLUTION FIGHT CAN ONLY BE AN INTERNATIONAL UNDERTAKING." LE MONDE
MARGUERITE, BERNARD

EPA

PM(A) FRENCH 04/02/73 PGS 24 ID# 01527A
ALSO PMB
*GENERAL AIR

CZECHOSLOVAKIA "MARCH 27, 1957 DIRECTIVE NO. 74 . . . CONCERNING THE QUALITY OF SURFACE WATERS IN WATERCOURSES." INT. DIG. OF HLTH. LEG., V. 10
WORLD HEALTH ORGANIZATION, COMP.

EPA

LE(A) ENGLISH 00/00/59 PGS 275-282 ID# 01084A

THIS DIRECTIVE, ISSUED BY THE CENTRAL WATER BOARD, STIPULATES THAT THE QUALITY OF WATER IN WATER BODIES, RESERVOIRS, AND OTHER WATERCOURSES MUST NOT BE ADVERSELY AFFECTED BY THE DISCHARGE OF WASTEWATERS OR BY ANY OTHER USE OF WATER INCLUDING RIVER NAVIGATION BEYOND LEVELS CONSISTENT WITH PUBLIC HEALTH AND WELL-BEING AND WITH NATIONAL ECONOMIC PROGRAMS. IT BANS, OR SET LIMITS ON, THE ENTRY OF VARIOUS IMPURITIES INTO WATERCOURSES AND ESTABLISHES PROCEDURES FOR ASSESSING WATER QUALITY. THE DIRECTIVE FURTHER ESTABLISHES FIVE CLASSIFICATIONS OF WATER QUALITY, RANGING FROM EXCELLENT TO UNFIT FOR USE. ANNEXES TO THE DIRECTIVE PROVIDE DATA ON THE CRITERIA FOR THE PURITY OF STREAMS AND ON THE LIMITS OF PERMISSIBLE CONCENTRATIONS OF CERTAIN TOXIC AND NOXIOUS SUBSTANCES. THE OFFICIAL CZECH-LANGUAGE TEXT OF THIS DIRECTIVE APPEARS IN UREDNI LIST CESKOSLOVENSKE REPUBLIKY, APRIL 9, 1957, NO. 37, P. 281-285.

CZECHOSLOVAKIA "MARCH 14, 1959 NOTICE NO. 13 OF THE MINISTER OF POWER AND WATER RELATING TO THE COMPLETE TEXT OF LAW NO. 11/1955 ON WATERS." INT. DIG. OF HLTH. LEG., V. 12
WORLD HEALTH ORGANIZATION, COMP.
LB(A) ENGLISH 00/00/61 PGS 297 EPA ID# 01085A

PART 3 OF THIS NOTICE DEALS WITH WATER POLLUTION. IT STIPULATES THAT ANYONE USING GROUND OR SURFACE WATERS IS RESPONSIBLE FOR THE PRESERVATION OF THOSE WATERS IN THEIR NATURAL STATE. WATER USERS MUST UNDERTAKE SYSTEMATIC MEASURES THROUGH THE INSTALLATION OF APPROPRIATE PURIFICATION FACILITIES TO AVOID POLLUTION. THE NOTICE SPECIFICALLY CITES THE NEED FOR PROTECTION AGAINST RADIOACTIVE WATER, SALT WATER, MINERAL WATER, WATERS MIXED WITH MINERAL OILS, AND WASTEWATERS (USED OR UNUSED) EMANATING FROM BATHING OR THERMAL FACILITIES. THE OFFICIAL CZECH VERSION OF THIS NOTICE APPEARS IN SBIRKA ZAKONU, MARCH 24, 1959, P. 31-42.

CZECHOSLOVAKIA "DECEMBER 21, 1966 GOVERNMENT DECREE NO. 120 CONCERNING THE IMPOSITION OF FINES FOR FAILURE TO SATISFY (WATER PROTECTION) OBLIGATIONS . . ." INT. DIG. OF HLTH. LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP.
LB(A) ENGLISH 00/00/68 PGS 186-187 EPA ID# 01086A

THIS DECREE, ISSUED IN PURSUANCE OF THE PROVISIONS OF THE 1955 LAW NO. 11 ON WATER RESOURCES (AS AMENDED BY THE 1959 LAW NO. 12), DEALS WITH THE IMPOSITION OF FINES FOR FAILURE TO SATISFY THE OBLIGATIONS LAID DOWN FOR THE PROTECTION OF WATER AGAINST POLLUTION. IT STIPUALTES THAT FINES MAY BE LEVIED ON ANY ESTABLISHMENT THAT (1) DISCHARGES WASTES WITHOUT PERMISSION FROM THE WATER RESOURCES MANAGEMENT AUTHORITY OR IN GREATER THAN PERMISSIBLE QUANTITIES; (2) FAILS TO OPERATE PROPERLY WASTE TREATMENT FACILITIES; (3) NEGLECTS TO SOLICIT ADVICE FROM THE WATER RESOURCES MANAGEMENT AUTHORITY IN REGARD TO NEW OR ALTERED PROCESSES LIABLE TO AFFECT WATER QUALITY; (4) FAILS TO SET UP TREATMENT PLANTS WITHIN PRESCRIBES TIME-FRAMES; (5) DISREGARDS APPROPRIATE INSTRUCTION ON WATER ECONOMY; AND (6) OPERATES IN A MANNER TO CAUSE THE INTRODUCTION OF SOLIDS, GASES, OR LIQUIDS - WHETHER EFFLUENTS OR NOT - INTO GROUND OR SURFACE WATERS. THE OFFICIAL CZECH VERSION OF THIS DECREE APPEARS IN SBIRKA ZAKONU, DEC. 29, 1966, P. 625-628.

CZECHOSLOVAKIA VODNI HOSPODARSTVI, RADA A (WATER MANAGEMENT, SERIES A)
NOVAKOVA, JIRINA, ED.
PM(B) CZECH 10/00/72 PGS 241-272 EPA ID# 00797A
GENERAL

THIS ISSUE IS DEVOTED PRIMARILY TO AGRICULTURAL IRRIGATION AND DRAINAGE PROBLEMS. SEVERAL ARTICLES REPORT ON THE VIII CONGRESS OF THE INTERNATIONAL COMMISSION FOR DRAINAGE, IRRIGATION AND FLOOD PREVENTION (ICID) HELD IN VARNA, BULGARIA IN 1972. AN ARTICLE BY V. KOLAR (PAGE 261-265) ON FACTORS AFFECTING REGULATION OF RIVER BANKS AND FLOOD PLAIN TERRITORIES STRESSES THE NEED FOR INCREASED ATTENTION TO ENVIRONMENTAL IMPACT IN PLANNING OF FLOOD CONTROL PROJECTS WITH PARTICULAR ATTENTION TO FLOOD CONTROL REQUIREMENTS IN CZECHOSLOVAKIA.

CZECHOSLOVAKIA

"PARTICIPATION OF CZECHOSLOVAKIA IN INTERNATIONAL COOPERATION ON ENVIRONMENTAL PROTECTION." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 9, 1972
PRATRICH, I.

PM(A) — RUSSIAN — 00/00/72 PGS 34-38 — EPA ID# 01584A
ALSO SE
*GENERAL AIR PESTICIDES

CZECHOSLOVAKIA

VODNI HOSPODARSTVI, RADA B (WATER MANAGEMENT, SERIES B)
NOVAKOVA, JIRINA, ED.

SE( ) — CZECH — 10/00/72 PGS 241-272 — EPA ID# 00798A
ALSO PMB
PESTICIDES

THIS ISSUE CONTAINS THE FOLLOWING ARTICLES: "EFFECTS OF ACTIONS BY THE STATE WATER SOURCES DEVELOPMENT FUND UPON THE IMPROVEMENT OF ENVIRONMENT AND LIVING STANDARD AND THE EFFECT OF SUBSIDIES UPON THE PREVENTION OF RIVER POLLUTION"; "USE OF ELECTROMAGNETIC DETECTORS FOR MAPPING BURIED WATER PIPING"; "NEW WASTE WATER TREATMENT PLANT IN THE STETI PAPER AND PULP MILL"; "SEWAGE FROM URBAN RESIDENTIAL QUARTERS. ITS AMOUNT AND COMPOSITION"; "EFFECTS OF ALGAE ON THE TURBIDITY AND COLOR OF WATER"; AND "CHROMATOGRAPHIC DETECTION OF CHLORINATED INSECTICIDES IN WATER."

DENMARK

"APP. 7, 1967 ACT. NO. 124, ON MEASURES AGAINST POLLUTION OF THE SEA BY OIL." LOVTIDENDE FOR KONGERIGET DANMARK, PART A

LR(A) — DANISH — 04/07/67 PGS 644-646 — EPA ID# 01446A

THIS ACT, BASED ON THE "MARCH 28, 1956 PREVENTION OF POLLUTION OF THE SEA BY OIL ACT, AS AMENDED," AND AMENDED BY ACT NO. 49 OF FEB.3, 1971 AND ACT NO. 289 OF JUNE 7, 1972, PROHIBITS THE DISCHARGE OF OIL OR OILY MIXTURE WITHIN DANISH TERRITORIAL WATERS, INCLUDING ENTRANCES TO HARBORS, ROADS, BAYS AND INLETS AS WELL AS WATERCOURSES, LAKES, CANALS AND HARBORS. VARIOUS SECTIONS DEAL WITH: EXTENSION OF THESE PROHIBITIONS TO DANISH SHIPS IN AREAS DESIGNATED BY THE INTERNATIONAL CONVENTION FOR THE PREVENTION OF THE SEA BY OIL; EXCEPTIONAL SITUATIONS UNDER WHICH PROHIBITIONS MAY BE SUSPENDED; FITTING OF SHIPS SO AS TO AVOID ESCAPE OF OIL INTO BILGES AND FROM THENCE INTO THE SEA; THE KEEPING OF OIL RECORD BOOKS; THE APPOINTMENT OF A BOARD TO REVIEW PROBLEMS OF OIL POLLUTION AND TO RECOMMEND MEASURES TO PREVENT IT; INSPECTION OF SHIPS; AND PENALTIES. (BY THE ORDER NO. 460 OF OCT. 13, 1971, JURISDICTION OVER THE IMPLEMENTATION OF THIS ACT WAS TRANSFERRED FROM THE MINISTRY OF TRADE TO THE MINISTRY OF POLLUTION CONTROL.)

DENMARK "APRIL 18, 1969, LAW NO. 169 ON THE WATER SUPPLY." INT. DIG. OF HLTH. LEG., V. 21
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/70 PGS 565-69 ID# 01447A

SECTIONS 39 TO 50 OF THIS LAW CONTAIN PROVISIONS ON WATER POLLUTION CONTROL AND ON SANITARY MEASURES TO BE TAKEN IN OPERATING WATER SUPPLY INSTALLATIONS. THE INTERIOR MINISTRY IS EMPOWERED TO ESTABLISH RULES DEALING WITH POLLUTION OF GROUNDWATER BY POISONOUS SUBSTANCES AS WELL AS TO ISSUE PERMITS FOR DISCHARGING RUNOFF, DRAINAGE, AND WASTE WATERS AND OTHER POLLUTING LIQUIDS THROUGH INSTALLATIONS SUCH AS CESSPOOLS, WELLS, ETC. ALSO DEALTH WITH IS THE ROLE OF THE LAND TRIBUNALS IN GRANTING LICENSES FOR WATER SUPPLY INSTALLATIONS OR FOR UTILIZATION OF WATER FROM WATERCOURSES AND IN ESTABLISHING PROTECTION AREAS IN THE VICINITY OF SUCH INSTALLATIONS OR WATERCOURSES AS WELL AS IN ISSUING ORDERS TO PREVENT POLLUTION OF WATERCOURSES USED AS PUBLIC WATER SUPPLIES. THE INTERIOR MINISTRY IS TO ESTABLISH SANITARY REQUIREMENTS FOR WATER SUPPLY SYSTEMS. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A., MAY 15, 1969, NO. 15. 301-319.)

DENMARK "MAR. 6, 1970, ORDER NO. 132 PROMULGATING THE LAW ON WATERCOURSES." INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP. EPA
LR(A) ENGLISH 00/00/72 PGS 684 ID# 01448A

THIS ORDER, WHICH PROMULGATES THE CONSOLIDATED VERSION OF THE "APRIL 11, 1949, LAW NO. 214 ON WATERCOURSES," INCORPORATES ALL AMENDMENTS UP TO AND INCLUDING THOSE IN LAW NO. 147 OF APRIL 9, 1969. LISTED ARE THOSE SUBSTANCES WHICH, WITH CERTAIN SPECIFIED EXCEPTIONS, MAY NOT BE PLACED IN OR NEAR WATERCOURSES, AMONG OTHERS, SOLID WASTE MATTER, PESTICIDES, AND LIQUIDS WHICH MAY POLLUTE THE WATER. OTHER PROVISIONS COVER: WASTE EFFLUENTS FROM BUILT-UP AREAS; BY-LAWS GOVERNING PUBLIC WATERWAYS AND WATER TREATMENT PLANTS; DISCHARGES FROM ISOLATED HOUSES AND FARMS; AND DISCHARGE OF EFFLUENTS INTO THE SEA. THE DOMMUNES ARE CHARGED WITH OPERATION AND MAINTENANCE OF PUBLIC WATER TREATMENT PLANTS. THE MINISTER OF AGRICULTURE IS GIVEN SURVEILLANCE OVER WATERCOURSES AND INSTALLATIONS SUBJECT TO THE LAW; HEALTH COMMISSIONS AND PUBLIC HEALTH OFFICES, AMONG OTHERS, ARE TO SUPERVISE COMPLIANCE ON DISCHARGE OF EFFLUENTS. (THE ORIGINAL TEXT OF THIS ORDER APPEARS IN LOVTIDENDE FOR KONGERIGET DANMARK, PART A, APRIL 11, 1970, NO. 1, PP. 333-70.)

DENMARK JUNE 7, 1972, ACT. NO. 290, ON MEASURES AGAINST POLLUTION OF THE SEA BY SUBSTANCES OTHER THAN OIL

LR(A) ENGLISH 06/07/72 PGS 1-3 EPA ID# 01449A

THIS ACT PROHIBITS DISPOSAL INTO DANISH TERRITORIAL WATERS, AS WELL AS INTO OTHER WATERS HERE SPECIFIED, OF SUBSTANCES OR MATERIALS BY DISCHARGE OR SINKING FROM VESSELS, AIRCRAFT AND FROM FLOATING OR FIXED PLATFORMS. THE PROHIBITION, WHICH APPLIES TO DANISH-OWNED FACILITIES AS WELL AS TO THOSE LOCATED WITHIN DANISH TERRITORIAL WATERS, DOES NOT PROHIBIT DISPOSAL OF SUBSTANCES OR MATERIALS DERIVED FROM THE NORMAL OPERATIONS OF THE FACILITIES CONCERNED. THE ACT FURTHER: SPECIFIES CIRCUMSTANCES UNDER WHICH PROHIBITIONS MAY BE SUSPECTED BY THE MINISTER FOR POLLUTION CONTROL; REQUIRES REPORTING OF DUMPING AND SPECIFIES THE CONTENTS OF DUMPING REPORTS; OUTLINES THE ROLE OF THE POLICE AND OF DEFENSE AND FISHERIES INSPECTION AUTHORITIES IN SUPERVISING COMPLIANCES WITH THE ACT; AND SPECIFIES PENALTIES. THE MINISTER FOR POLLUTION CONTROL IS AUTHORIZED, IF NECESSARY, TO EXTEND PROHIBITIONS TO NORMAL DISCHARGE AS WELL AS TO ADD TO THE LISTS OF PROHIBITED MATERIALS INCLUDED IN THE APPENDICES TO THE ACT.

FINLAND "MAY 19, 1961 WATER ACT NO. 264." SUOMEN ASETUSKOKOELMA, V. 1961

LR(A) FINNISH 05/19/61 PGS 407-495 EPA ID# 01113A

THIS LEGISLATION CONTAINS PROVISIONS ON THE LIMITATION OF WATER USE RIGHTS AND ON THE PROHIBITION OF UNDERTAKINGS WHICH WOULD CAUSE THE POLLUTION OF WATER. EXCEPTIONS TO THIS BAN MAY BE GRANTED BY THE WATER COURT. OTHERWISE, UNDERTAKINGS IN WATERS AND ON LAND THT WOULD RESULT IN A HARMFUL CHANGE IN THE LOCATION, DEPTH, LEVEL, OR FLOW OF WATERS ARE PROHIBITED. THE PROHIBITION IS APPLICABLE TO INLAND WATERS AND TO ADJACENT SEA AREAS.

FINLAND "APRIL 6, 1962 ORDINANCE NO. 283 ON PRECAUTIONARY MEASURES FOR THE PROTECTION OF WATERS." INT. DIG. OF HLTH. LEG., V. 14
WORLD HEALTH ORGANIZATION, COMP.

LR(A) ENGLISH 00/00/63 PGS 253-256 EPA ID# 01113B
RADIATION

THIS ORDINANCE BANS THE CONSTRUCTION OF THE FOLLOWING TYPES OF FACILITIES UNLESS MEASURES ARE UNDERTAKEN TO PREVENT WATER POLLUTION: NUCLEAR REACTORS WHICH COULD DISCHARGE RADIOACTIVE WASTES INTO GROUND OR SURFACE WATERS; INSTALLATIONS FOR THE REGENERATION OF USED OIL PRODUCTS; SERO-BACTERIOLOGICAL FACILITIES; AND FACTORIES FROM WHICH CERTAIN POISONS ARE LIKELY TO PENETRATE GROUND WATERS OR WATERCOURSES. THE ORDINANCE ALSO LISTS CERTAIN TYPES OF FACTORIES, NOT LISTED ABOVE BUT THE OPERATION OF WHICH ENTAILS WATER POLLUTION RISKS, THAT MUST NOTIFY THE DISTRICT AGRICULTURAL ENGINEERING DEPARTMENT THREE MONTHS PRIOR TO OPERATION. THE ORDINANCE ALSO PROVIDES THAT EFFLUENT WASTES FROM A SEWER SERVING MORE THAN 200 PERSONS MAY NOT BE ALLOWED TO FLOW INTO A WATERCOURSE OR INTO THE SOIL UNLESS THE DISPOSAL METHOD HAS BEEN PRESENTED TO THE APPROPRIATE WATER BOARD FOR APPROVAL. THE FINNISH/SWEDISH ORIGINAL OF THIS ORDINANCE APPEARS IN SUOMEN ASETUSKOKEOLMA - FINLANDS FORFATTNINGSSAMLING, APRIL 13, 1962, P. 557-559.

FINLAND

"JUNE 26, 1970 ORDINANCE NO. 429 TO AMEND THE ORDINANCE ON PRECAUTIONARY MEASURES FOR THE PROTECTION OF WATER." INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.

LP(A) ENGLISH 00/00/72 PGS 702-703 EPA ID# 01113C

THIS ORDINANCE AMENDS THE APRIL 6, 1962 ORDINANCE NO. 283 ON PRECAUTIONARY MEASURES FOR THE PROTECTION OF WATER. AMONG OTHER THINGS, THIS ORDINANCE REPLACES SECT. 8 OF THE 1962 ORDINANCE WITH TEXT TO THE EFFECT THAT: IF THE WATER BOARD FINDS THAT THE DISPOSAL OF WASTEWATERS FROM A FACTORY OR INSTALLATION, IN KEEPING WITH THE DISPOSAL PLAN SUBMITTED, WILL CAUSE WATER POLLUTION, THE BOARD UPON INVESTIGATION WILL IMMEDIATELY REQUEST THE OWNER OF THE FACILITY TO MAKE REQUIRED MODIFICATIONS OR ADDITIONS TO HIS DISPOSAL PLAN. THE FINNISH/SWEDISH VERSION OF THIS ORDINANCE APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, JUNE 29, 1970, P. 851-852.

FINLAND

"JANUARY 9, 1970 LAW NO. 18 ON THE WATER AUTHORITY." INT. DIG. OF HLTH. LEG., V. 21
WORLD HEALTH ORGANIZATION, COMP.

LP(A) ENGLISH 00/00/70 PGS 318 EPA ID# 01114A

THIS LAW STATES THAT THE WATER AUTHORITY, HEADED UP BY A WATER BOARD, IS CHARGED WITH DUTIES INVOLVING THE USE AND PROTECTION OF WATERCOURSES AND OTHER WATER RESOURCES. THESE DUTIES ENCOMPASS AMONG OTHER THINGS THE PLANNING OF WATER USE, THE TAKING OF MEASURES TO GUARANTEE THE PROTECTION OF WATER, THE DEVELOPMENT OF WATER SUPPLIES, AND THE DISCHARGE OF WASTEWATERS. THE FINNISH/SWEDISH LANGUAGE ORIGINAL OF THIS LAW APPEARS IN SUOMEN ASETUSKOKOELMA - FINLANDS FORFATTNINGSSAMLING, JAN.

FRANCE

"CURRENT ENVIRONMENTAL ISSUES IN FRANCE." DEPARTMENT OF STATE AIRGRAMS, AMEMBASSY PARIS, A-825
U.S. STATE DEPARTMENT

PM(A) ENGLISH 09/20/72 PGS 1-5 EPA ID# 01713A
ALSO IPB
*GENERAL AIP NOISE SOLID WASTE

FRANCE

ASSOCIATION FRANCAISE POUR L'ETUDE DES EAUX (FRENCH ASSOCIATION FOR THE STUDY OF WATER) (PROSPECTUS)

ST( ) FRENCH 00/00/71 PGS 1-20 EPA ID# 00938A

AFEE/ASSOCIATION FRANCAISE POUR L'ETUDE DES EAUX (FRENCH ASSOCIATION FOR THE STUDY OF WATER) IS A PRIVATE DOCUMENTATION SERVICE, WHICH PROVIDES COMPUTERIZED ABSTRACTS (AND COPIES OF ORIGINAL DOCUMENTS) OF INTERNATIONAL, SIGNIFICANT DOCUMENTS PERTAINING TO WATER USE. THIS PAMPHLET PROVIDES BRIEF BACKGROUND INFORMATION ON THE ORGANIZATION, ITS STRUCTURE, STAFF, ABSTRACTING AND RETRIEVAL PROCEDURES, TYPES OF LIST PROVIDED, BULLETINS ISSUED, LIBRARY, AND CATEGORIES OF MEMBERSHIP AND PRIVILEGES. DOCUMENTATION DESCRIPTORS ON POLLUTION INCLUDE BREAKDOWNS UNDER THE MAIN HEADINGS; ACCIDENTAL, AIR, WATER, SEA, UNDERGROUND, AND THERMAL POLLUTION. A LIST OF INFORMATION SESSIONS HELD BETWEEN MARCH 1969 AND FEBRUARY 1971 IS PROVIDED; IT INCLUDES THE TITLES OF PAPERS PRESENTED ON RIVER POLLUTION, PURIFICATION STATIONS, AND PURIFICATION TECHNIQUES.

FRANCE

INFORMATION EAUX (WATER INFORMATION). (BULLETIN OF THE FRENCH ASSOCIATION FOR THE STUDY OF WATER). VOL. 21, NO. 204.

EPA

ST( ) FRENCH 02/00/72 PGS 1-40 ID# 00947A
ALSO SE, AND PMB

THIS ISSUE OF "INFORMATION EAUX" (WATER INFORMATION) IS DIVIDED INTO SEVERAL SECTIONS. EARLY SECTIONS PRESENT THE MINUTES OF VARIOUS ADMINISTRATIVE MEETINGS; GIVE BRIEF NEWS NOTES PERTAINING T TO WATER USE, CONSERVATION, AND PURIFICATION; LIST OFFICIAL ACTIONS ON WATER MEASURES; AND GIVE INFORMATION ON FORTHCOMING CONGRESSES AND CONFERENCES DEALING WITH WATER. THE MAJOR SECTION CONTAINS A LISTING OF COMPUTERIZED REFERENCES TO PUBLICATIONS ON WATER, CODED UNDER THE FOLLOWING DESCRIPTORS: WATER RESOURCES, WATER TREATMENT, POLLUTION, HYDRAULIC ENGINEERING, HYDROBIOLOGY, MEASUREMENTS AND ANALYSES, WATER USERS, MANAGEMENT OF TERRITORY, POLITICS AND ECONOMICS OF WATER, MATERIALS AND PRODUCTS, APPARATUSES AND TECHNIQUES, ENERGY, INFORMATION AND INQUIRIES, ORGANISMS, AND GENERAL TERMS. ENTRIES ARE ORGANIZED BY LANGUAGE (FRENCH, GERMAN, ENGLISH), QUALITY, AND THE TYPE OF READER TO WHOM THEY ARE DIRECTED.

GERMANY,FED REP OF "'UMWELT' SURVEY ON PLANT COMMISSIONERS FOR ENVIRONMENTAL PROTECTION: THE PRO'S AND CON'S BALANCE THE SCALE." UMWELT
FREY, PETER

EPA

PM(A) GERMAN 01/00/72 PGS 16; 18-19 ID# 01352A
ALSO LRB
*GENERAL AIR SOLID WASTE NOISE

GERMANY,FED REP OF "BRUSSELS LAYS OUT PARAMETERS FOR ENVIRONMENTAL PROTECTION." DIE WELT

EPA

PM(A) GERMAN 04/13/73 PGS 13 ID# 01526A
ALSO LRB
*GENERAL AIR

GREAT BRITAIN "CLEANING UP POLLUTION IS NOW BIG BUSINESS." THE TIMES
VIELVOYE, ROGER

EPA

PM(A) ENGLISH 07/05/73 PGS 28 ID# 01326A
ALSO SE AND LRB
SOLID WASTE AIR NOISE

THIS ARTICLE REPORTS THAT DESPITE TIGHTENED LEGISLATION IN GREAT BRITAIN TOXIC WASTES ARE STILL BEING DISCHARGED INTO RIVERS AND ESTUARIES, THE AIR IS STILL BEING CONTAMINATED FROM INDUSTRY AND AUTOMOBILES, AND EXCESSIVE NOISE IS COMMONPLACE. AGAINST THIS BACKGROUND, A GROWING NUMBER OF COMPANIES SPECIALIZING IN ANTI-POLLUTION SERVICES HAS DEVELOPED; FOR THE MOST PART, THEY ARE BIG-MONEY CONCERNS. GOVERNMENT STANDARDS, AS FOR EXAMPLE IN THE DISPOSAL OF TOXIC WASTES, MAKE IT DIFFICULT FOR SMALLER WASTE COLLECTION AND DISPOSAL FIRMS TO STAY IN BUSINESS. THE ARTICLE DISCUSSES AND CITES EXAMPLES OF THESE ANTI-POLLUTION BUSINESS AND CONSULTANTS AND THE SERVICES THAT THEY OFFER.

WATER

GREAT BRITAIN — ENVIRONMENTAL POLLUTION. REPRINTED FROM SURVEY OF CURRENT AFFAIRS.
LONDON CENTRAL OFFICE OF INFORMATION — EPA
PM(A) — ENGLISH — 00/00/71 — PGS 1-7 — ID# 01356A
ALSO LEB
*GENERAL AIR NOISE PESTICIDES

GREAT BRITAIN — "BRITISH INITIATIVES TO IMPROVE THE WORLD ENVIRONMENT." PRESS RELEASE NO. 632
GREAT BRITAIN. DEPARTMENT OF THE ENVIRONMENT — EPA
PM(A) — ENGLISH — 05/05/73 — PGS 1-3 — ID# 01702A
*GENERAL AIR

JAPAN — "EA BEGINS PREPARATIONS FOR ENVIRONMENTAL ASSESSMENT SYSTEM." DEPARTMENT OF STATE AIRGRAM, AMEMBASSY TOKYO, A-728
U.S. STATE DEPARTMENT — EPA
PM(A) — ENGLISH — 08/24/73 — PGS 9 — ID# 01256A
*AIR GENERAL

JAPAN — "ENVIRONMENT AGENCY BEGIN STUDY OF OIL CRISIS EFFECTS." JAPAN TIMES — EPA
PM(A) — ENGLISH — 11/09/73 — PGS 3 — ID# 01494A
ALSO SF
*AIR

JAPAN — "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, JANUARY, 1973." DEPT. OF STATE AIRGRAM, A-206.
U.S. DEPT. OF STATE — EPA
PM(A) — ENGLISH — 03/01/73 — PGS 1-13 — ID# 01519A
ALSO ST AND LEB
*GENERAL

WATER

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, MARCH, 1973."
DEPT. OF STATE AIRGRAM, A-371
U.S. DEPT. OF STATE EPA
PM(A) ENGLISH 04/17/73 PGS 1-13 ID# 01520A
ALSO LRB, ST
*GENERAL AIR RADIATION

JAPAN "SELECTED SCIENCE AND TECHNOLOGY ITEMS FROM THE JAPANESE PRESS, DECEMBER, 1972."
DEPT. OF STATE AIRGRAM, A-100
U.S. DEPT. OF STATE EPA
PM(A) ENGLISH 02/02/73 PGS 1-12 ID# 01525A
ALSO LRB AND ST
*GENERAL AIR PESTICIDES

JAPAN TOKYO MUNICIPAL NEWS: MONTHLY JOURNAL OF THE TOKYO METROPOLITAN GOVERNMENT, V. 20M NO. 6
EPA
PM(A) ENGLISH 07/00/70 PGS 1-3 ID# 01541A
ALSO LRB
*GENERAL AIR NOISE

JAPAN "GREAT INCREASE IN NEED FOR AND PRODUCTION OF POLLUTION CONTROL EQUIPMENT."
STATE DEPARTMENT AIRGRAM, AMEMBASSY TOKYO, NO. A 903
U.S. STATE DEPARTMENT EPA
PM(A) ENGLISH 11/13/73 PGS 1-7 ID# 01717A
ALSO LR AND SF
*GENERAL AIR

WATER

JAPAN "RECENT PRACTICE OF WASTEWATER TREATMENT AT YANAHARA MINE." JOINT MEETING MMIJ-AIME 1972. TOKYO, MAY 24-27. PRINT NO. T III B 2.
IKEGAMI, T.
EPA
ST( ) ENGLISH 00/00/70 PGS 1-10 ID# 00785A

THE PAMPHLET GIVES A SHORT HISTORY OF WATER TREATMENT AT THE YANAHARA MINE AND PRESENTS THE CHARACTERISTICS OF VARIOUS TYPES OF MINE WATERS. TREATMENT PRACTICES FOR THESE TYPES (OXIDATION AND NEUTRALIZATION) ARE EXPLAINED AS MEASURES WHICH WILL BE IMPROVED IN ORDER TO ACHIEVE "ZERO POLLUTANT DISCHARGE." A NUMBER OF DIAGRAMS, TABLES AND GRAPHS ARE INCLUDED.

JAPAN PROSPECTUS FOR THE 2ND INTERNATIONAL OCEAN DEVELOPMENT CONFERENCE AND EXHIBITION
EPA
ST( ) ENGLISH 00/00/72 PGS 1-20 ID# 00969A
ALSO PMA; JAPANESE

THIS ENGLISH-JAPANESE CIRCULAR OUTLINES THE ACTIVITIES PLANNED FOR THE 2ND INTERNATIONAL OCEAN DEVELOPMENT CONFERENCE AND EXHIBITION, SPONSORED BY VARIOUS JAPANESE ENVIRONMENTAL AND BUSINESS ORGANIZATIONS AND SUPPORTED BY THE JAPANESE GOVERNMENT, WHICH WAS HELD IN TOKYO IN OCTOBER 1972. IT LISTS VARIOUS EXHIBITS, SPECIAL DISPLAYS, AND FILMS AS WELL AS THE PAPERS TO BE PRESENTED ON OCEAN POLLUTION. THERE IS ALSO AN OUTLINE OF THE ACTIVITIES AND THE EXHIBITORS AT THE 1ST EXHIBITION, HELD IN TOKYO IN SEPTEMBER 1970.

JAPAN ENVIRONMENTAL POLLUTION IN OSAKA CITY
EPA
ST( ) ENGLISH 00/00/71 PGS 1-52 ID# 01499A
ALSO PMB
*AIR NOISE

JAPAN THE USE OF ISOTOPES AND RADIATION FOR AGRICULTURE IN JAPAN.
JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY
EPA
ST( ) ENGLISH 01/00/72 PGS 1-163 ID# 01503A
*RADIATION PESTICIDES

LUXEMBURG "JUL 29, 1965 LAW ON CONSERVATION OF NATURE AND NATURAL RESOURCES." PASINOMIE LUXEMBOURGEOISE, V. 37.
KEPSCHEN, NICOLAS, COMP.
EPA
LR(A) FRENCH 00/00/66 PGS 305-308 ID# 01402A
*GENERAL AIR SOLID WASTE

NETHERLANDS "VERTICAL MOVEMENT OF PHOSPHATE IN FRESHWATER II." TNO-NIEUWS.
GOLTERMAN, H.L.
EPA
ST( ) ENGLISH 04/00/72 PGS 144-153 ID# C0774A

THE AUTHOR DISCUSSES THE VERTICAL MOVEMENT OF PHOSPHATE EXCHANGE IN FRESH WATER, NOTING THE CHEMICAL STEPS AND THE ROLE OF IRON, SULFUR, AND PHOSPHATES. HE ALSO DISCUSSES THE INFLUENCE OF WATER RENEWAL ON PHOSPHATE SEDIMENTATION; THE PHOSPHATE ADSORPTION AND DESORPTION BY SEDIMENTS AND EXCHANGE PROCESSES; AND THE EXCHANGE IN SHALLOW LAKES AS WELL AS THE AVAILABILITY OF MUD PHOSPHATES. THE ARTICLE MENTIONS THAT LITTLE WORK HAS BEEN DONE WITH RADIOPHOSPHATES. THE AUTHOR CITES VARIOUS STUDIES THROUGHOUT HIS ARTICLE, INCLUDING SOME ON LAKE ZURICH AND LAKE CONSTANCE. HE NOTES THAT VERY LITTLE IS KNOWN ABOUT CONVERSIONS BETWEEN THE DIFFERENT PHOSPHATES IN SEDIMENTS OVER LONG PERIODS OF TIME.

NETHERLANDS MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)
EPA
ST( ) DUTCH 05/00/72 PGS 1-215 ID# 00934A
ALSO PMB
*GENERAL AIR PESTICIDES NOISE SOLID WASTE RADIATION

NETHERLANDS STIKSTOF (NITROGEN). DUTCH NITROGENOUS FERTILIZERS REVIEW, NO. 15
EPA
ST( ) ENGLISH 01/00/72 PGS 1-80 ID# 00999A

THIS ISSUE OF THE JOURNAL, PUBLISHED BY THE CENTRAL NITROGEN SALES ORGANIZATION, IS DEVOTED CHIEFLY TO THE EFFECT OF NITROGEN FERTILIZATION ON WATER QUALITY. THE ARTICLES INCLUDE DISCUSSIONS OF THE FOLLOWING TOPICS: FERTILIZER USE AND WATER POLLUTION; THE EFFECT THAT THE LEACHING OF FERTILIZERS HAS ON THE QUALITY OF GROUND WATER AT THE WATERWORKS; THE LIMITATION OF ALGAL GROWTH FROM NUTRIENTS; FERTILIZERS AND THE QUALITY OF SURFACE WATER; THE SIGNIFICANCE OF SOIL AND FERTILIZER PHOSPHATE FOR ENVIRONMENTAL HYGIENE; NITROGEN FERTILIZATION OF GRASSLANDS AND THE QUALITY OF SURFACE WATER; EUTROPHICATION OF SURFACE WATER AND THE NITROGEN FERTILIZATION OF GRASSLAND; THE EUTROPHICATION OF SURFACE WATER BY AGRICULTURE AND THE URBAN POPULATION; AND THE RELATIONSHIP BETWEEN FOOD PRODUCTION YIELDS AND MINERAL NUTRITION FROM FERTILIZERS. THE ARTICLES CONTAIN SUMMARIES AND REFERENCES

NETHERLANDS "CHANGE IN THE TEMPERATURE OF THE RHINE: A METEOROLOGICAL ANALYSIS."
DE INGENIEUR, V. 85, NO. 5
WESSELS, IR. H.R.A.

ST( ) DUTCH 02/01/73 PGS 88-90 EPA ID# 01513A

THIS ARTICLE DISCUSSES THE CURRENT STATE OF THE THERMAL POLLUTION OF THE RHINE RIVER. WITH THE HELP OF DATA ON DAILY WATER TEMPERATURES GOING BACK TO 1909, WESSELS COMPARES WATER-TEMPERATURE AVERAGES (TW) WITH THE ESTIMATED TEMPERATURES OF WATER IN THERMAL BALANCE WITH THE ATMOSPHERE (TE). THE LATTER IS CALCULATED WITH WEATHER INFORMATION. THE RESULTS INDICATE A GENERAL RISE OF TW-TE OVER THE PAST 30 YEARS: AN AVERAGE OF 1.7 DEGREE CENTIGRADE IN WINTERS WITHOUT TOO GREAT AN ICE COVER AND 1.0 DEGREE C IN SUMMERS, DURING HIGH AND LOW DISCHARGE RESPECTIVELY.

NETHERLANDS KWIK IN HET NEDERLANDSE MILIEU (MERCURY IN THE DUTCH ENVIRONMENT) REPRINTED FROM THE TNO-NIEUWS, 1971, V. 26

ST( ) .. DUTCH 07/00/71 PGS 371-424 EPA ID# 01514A

THIS REPRINT FROM THE TNO-NIEUWS (APPLIED SCIENCE RESEARCH JOURNAL) CONTAINS 14 ARTICLES ON MERCURY IN THE DUTCH ENVIRONMENT, A BIBLIOGRAPHY, AND AN APPENDIX LISTING THE MEMBERS OF THE MERCURY IN THE SEDIMENTS OF THE RHINE AND EMS RIVERS; SUPPLY OF DRINKING WATER-DANGER OF MERCURY POLLUTION; MERCURY IN FISH: DUTCH INLAND WATERS; MERCURY IN FISH: TOTAL MERCURY CONTENT IN FRESH-WATER AND SEA FISH; MERCURY IN FISH: CONTENT IN IMPORTED CANNED FISH; MERCURY IN THE DUTCH COASTAL ENVIRONMENT; MERCURY IN BIRD FEATHERS; INQUIRY INTO THE MERCURY CONTAMINATION OF OWLS AND BIRDS OF PREY; AND TECHNIQUES FOR THE ANALYSIS OF MERCURY IN THE ENVIRONMENT.

NETHERLANDS TNO-NIEUWS (APPLIED NATURAL SCIENCE RESEARCH), V. 27, NO. 9

ST( ) DUTCH 09/00/72 PGS 415-516 EPA ID# 01539A
AIP

THIS ISSUE OF THE JOURNAL IS DEVOTED TO THE PRESENCE AND EFFECT OF COPPER IN THE ENVIRONMENT IT INCLUDES 17 ARTICLES, EACH WITH AN ENGLISH SUMMARY AND A BIBLIOGRAPHY. THE ARTICLES ARE TITLED: MARINE COPPER POLLUTION; ENVIRONMENTAL TOXICOLOGY AND COPPER; APPLICATION AND USE OF COPPER IN THE NETHERLANDS; COPPER IN THE DUTCH DELTA; COPPER CONTENTS OF POTABLE AND UTILITY WATER; RECORDING OF THE COPPER CONTENT OF WATERWAYS AS DETERMINED BY MEANS OF CONTINUOUS ANALYSIS; ANALYSES OF COPPER AND OTHER METALS IN THE ENVIRONMENTAL; SPECTROCHEMICAL DETERMINATION BY EMISSION OF TRACE AMOUNTS OF COPPER AND OTHER ELEMENTS IN BIOLOGICAL MATERIAL; PHYSICO-CHEMICAL STATE OF COPPER IN SYNTHETIC SEA WATER; OCCURRENCE AND TOXICITY OF COPPER IN ORGANISMS IN FRESH- AND SEAWATER: A LITERATURE SURVEY; INFLUENCE OF PHOSPHATE ON THE TOXICITY OF COPPER TOWARD ALGAE; INFLUENCE OF COPPER ON THE WATER FLEA. LABORATORY TESTS FOR THE INFLUENCE OF COPPER ON MUSSELS; COPPER IN FISH; MONITORING HEAVY METALS ALONG THE DUTCH COAST: AND THE IMPORTANCE OF COPPER FOR OUR ENVIRONMENT.

WATER

SINGAPORE

"NEW ANTI-POLLUTION LAW (CIVIL LIABILITY (OIL POLLUTION) ACT)." STATE DEPARTMENT AIRGRAM, AMEMBASSY SINGAPORE, A-105
U.S. STATE DEPARTMENT EPA
LR(A) ENGLISH 07/19/73 PGS 1-2 ID# 01731A

THIS AIRGRAM, PREPARED BY AMERICAN EMBASSY PERSONNEL IN SINGAPORE, SUMMARIZES AND COMMENTS UPON THE RECENTLY PUBLISHED 1973 CIVIL LIABILITY (OIL POLLUTION) ACT, A COPY OF WHICH IS ATTACHED TO THE AIRGRAM. WHEN PASSED BY PARLIAMENT, THIS ACT WILL IMPOSE STRICT LIABILITY ON THE OWNER OF A SHIP AND THE OWNER OR OPERATOR OF AN OFFSHORE OR ONSHORE FACILITY FOR OIL POLLUTION DAMAGE RESULTING FROM THE DISCHARGE OR ESCAPE OF ANY OIL. THE LIABILITY INCLUDES ANY DAMAGE CAUSED BY CONTAMINATION RESULTING FROM THE DISCHARGE OR ESCAPE OF OIL, THE COST OF ANY MEASURES REASONABLY TAKEN AFTER THE OIL DISCHARGE FOR THE PURPOSE OF PREVENTING OR REDUCING THE DAMAGE, AND ANY DAMAGE CAUSED BY ANY OF THESE MEASURES. THE AIRGRAM COMMENTS THAT THE INTRODUCTION OF THIS NEW ACT DOES NOT INDICATE ANY SEVERITY OF OIL POLLUTION BUT THAT IT IS RATHER A PREVENTIVE MEASURE. THE ACT INCORPORATE SOME VERY STRINGENT MEASURES, THE AIRGRAM ASSERTS, SINCE THE SINGAPORE GOVERNMENT BELIEVES THAT THE ACT WILL PROVIDE THE NECESSARY STIMULUS TO PREVENT OIL SPILLS.

SPAIN

ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ EPA
PM(A) SPANISH 00/00/00 PGS 1-63 ID# 01134A
ALSO LRB
*GENERAL AIR SOLID WASTE PESTICIDES RADIATION NOISE

SWEDEN

ENVIRONMENTAL MERCURY RESEARCH IN SWEDEN
LARSSON, J.E. EPA
ST( ) ENGLISH 06/00/70 PGS 1-47 ID# 00935A
ALSO LRB
AIR

THIS PUBLICATION OF THE RESEARCH SECRETARIAT OF THE SWEDISH ENVIRONMENT PROTECTION BOARD IS A COMPREHENSIVE STATEMENT ON THE KNOWN EFFECTS OF MERCURY ON THE NATURAL ENVIRONMENT AND ON MEASURES TAKEN TO ALLEVIATE THE MERCURY PROBLEM IN SWEDEN. MAJOR SECTIONS DEAL WITH: THE HISTORY AND CHARACTERISTICS OF THE CIRCUMSTANCES CONNECTED WITH THE DISCOVERY OF THE MERCURY PROBLEM; RESEARCH CARRIED OUT ON VARIOUS ASPECTS OF MERCURY POLLUTION BETWEEN 1965 AND 1969; ADMINISTRATIVE DECISIONS RESULTING FROM OF RESEARCH IN THIS FIELD AND THE EFFECTS OF THE MEASURES UNDERTAKEN. THE FINAL SECTION DISCUSSES RESEARCH IN PROGRESS RELATING TO MERCURY IN THE TERRESTRIAL ENVIRONMENT, AIRBORNE MERCURY, MERCURY IN THE WATER ENVIRONMENT, AND METABOLISM, TOXIC EFFECTS AND HYGIENIC RISKS. REFERENCES, TABLES, FIGURES, AND DATA ON MERCURY RESEARCH GRANTS ARE INCLUDED.

WATER

SWEDEN
ST( )

VATTEN, AVLOPP, WATER, SEWAGE, EAU, EGOUTS
STOCKHOLM CENTRAL BOARD OF ADMINISTRATION — EPA
ENGLISH — 00/00/72 PGS 1-54 — ID# 00971A
ALSO SWEDISH, FRENCH, GERMAN

THIS MULTILINGUAL PUBLICATION OF THE INFORMATION COMMITTEE OF THE STOCKHOLM CENTRAL BOARD OF ADMINISTRATION DEALS WITH STOCKHOLM'S SEWAGE AND WATER POLLUTION CONTROL FACILITIES THE FIRST SECTION, WHICH DEALS WITH STOCKHOLM'S MUNICIPAL WATERWORKS, HANDLES THE FOLLOWING TOPICS: RAW WATER DATA, PURIFICATION, WATER CONTROLS AND INSPECTIONS, DISTRIBUTION OF PURE WATER, AND DEVELOPMENT WORK. THE SECOND SECTION, DEALING WITH SEWERAGE, DISCUSSES THE DEVELOPMENT OF STOCKHOLM'S SEWAGE SYSTEM AND DETAILS THE SEWAGE TREATMENT PROCESSES USED IN SPECIFIC TREATMENT PLANTS. CONTROLS ON SEWAGE ARE ALSO DISCUSSED. THE PUBLICATION IS PROFUSELY ILLUSTRATED AND CONTAINS TABLES, MAPS, DRAWINGS AND GRAPHS. THE TEXT APPEARS IN ENGLISH, SWEDISH, FRENCH, GERMAN, SPANISH, AND RUSSIAN VERSIONS.

SWEDEN
ST( )

METHYL MERCURY IN FISH, PREPRINT FROM NORDISK HYGIENISK TIDSKRIFT, SUPPLEMENTUM 4
BERGLUND, F., AND OTHERS — EPA
ENGLISH — 00/00/71 PGS 1-13 — ID# 01004A

THIS REPORT, PREPARED BY A PROFESSIONAL GROUP APPOINTED IN 1968 BY THE SWEDISH BOARD OF THE NATIONAL INSTITUTE OF PUBLIC HEALTH IN CONSULTATION WITH THE NATIONAL BOARD OF HEALTH AND WELFARE AND THE NATIONAL VETERINARY BOARD, DEALS WITH THE TOXICOLOGICAL-EPIDEMIOLOGICAL EVALUATION OF THE DANGERS INVOLVED IN THE PRESENCE OF MERCURY IN FISH INTENDED FOR HUMAN CONSUMPTION. THE DISCUSSION INCLUDES TOXICOLOGICAL EVALUATION, TOXICITY EXPERIMENTS, SAFETY FACTORS, AND AVAILABLE DATA ON THE EFFECTS OF MERCURY POISONING ON HUMANS.

SWITZERLAND
PM(A)

"ENVIRONMENTAL PROBLEMS DISRUPTIVE OF THE BIOLOGICAL BALANCE." WIRTSCHAFT UND RECHT, V. 24, NO. 1
PLATTNER, WILLY — EPA
GERMAN — 00/00/72 PGS 1-9 — ID# 01754A
ALSO SE
*GENERAL AIR

WATER

SWITZERLAND
REINES WASSER ... EAU PURE...CLEAN WATER. BSK. 3D EDITION 1971.
EPA
ST( ) ENGLISH 00/00/71 PGS 1-64 ID# 00791A
ALSO IN GERMAN AND FRENCH

THE PUBLICATION PRESENTS PHOTOS, TEXT AND DIAGRAMS OF VARIOUS WATER-PURIFICATION APPARATUSES PRODUCED BY BSK. THESE INCLUDE AERATORS, HYDRAULIC ACCESSORIES, A UNIVERSAL SEWAGE TREATMENT PLANT, FLOCCULATOR, AND OTHERS.

SWITZERLAND
ASPECTS DE NATURE TECHNIQUE QUE PRESENTENT, EN MATIERE DE PROTECTION DES EAUX, LE PRELEVEMENT ET LA RESTITUTION D'EAU DE REFROIDISSEMENT POUR LES CENTRALES THERMIQUES CLASSIQUES
SWITZERLAND. FEDERAL DEPARTMENT OF THE INTERIOR
EPA
ST( ) FRENCH 10/00/71 PGS 1-146 ID# 01033A
ALSO PMB

THE 1971 REISSUE OF THIS REPORT, CALLED THE TECHNICAL ASPECTS IN THE MATTER OF WATER PROTECTION INVOLVED IN THE SEPARATION AND RESTITUTION OF COOLANT WATER FROM CONVENTIONAL AND NUCLEAR THERMAL PLANTS, EXAMINES THE CONSEQUENCES OF TEMPERATURE INCREASES IN SURFACE AND GROUND WATERS AS A RESULT OF THE RESTITUTION OF COOLANT WATERS REQUIRED BY THESE PLANTS. IT WAS PROMPTED BY A GOVERNMENT INQUIRY INTO FACTORS THAT WOULD TEND TO LIMIT THE NUMBER OF NUCLEAR PLANTS TO BE BUILT IN SWITZERLAND. THE REPORT DISCUSSES HYDROLOGICAL CONDITIONS, THE INFLUENCE OF THE ATMOSPHERE ON THE THERMAL REGIME OF WATER BODIES, AND THE EFFECTS OF THE ARTIFICIAL REHEATING OF SURFACE AND GROUND WATERS ON FISH LIFE. THE REPORT ALSO CONTAINS A GLOSSARY OF TECHNICAL TERMS AND A BIBLIOGRAPHY.

USSR
COUNCIL OF PROTECTION OF THE ENVIRONMENT ESTABLISHED. FBIS DAILY BROADCAST, SOVIET UNION.
EPA
PM(A) ENGLISH 01/22/73 PGS ID# 00778A
ALSO SE
*GENERAL AIR

USSR
"PURIFICATION OF DOMESTIC SEWAGE IN SMALL POPULATION CENTERS." GIGIYENA I SANITARIYA
ROMANENKO, N.A. AND OTHERS
EPA
PM(P) RUSSIAN 01/00/73 PGS 90-92 ID# 01556A
ALSO ST

THE AUTHORS DESCRIBE A NEW TYPE OF PURIFICATION POND WHICH CAN BE USED FOR PURIFYING DOMESTIC SEWAGE IN SMALL POPULATION CENTERS. WATER IS PURIFIED IN THESE BIOLOGICAL OXIDATION CATALYTIC STABILIZATION PONDS BY CONTROLLING WATER FLOW AND INTRODUCING A SPECIALLY SELECTED COMPLEX OF MICROAIGAE. IN THE WINTER, BIOLOGICAL OXIDIZERS MUST BE ADDED TO MAINTAIN EFFECTIVE PURIFICATION. WATER FROM THESE PONDS MEETS STATE HYDROLOGICAL STANDARDS AND IS FREE OF HELMINTH EGGS. IT CAN BE USED FOR GENERAL IRRIGATION PURPOSES WITHOUT FURTHER PURIFICATION. THE AUTHORS RECOMMEND THAT STUDIES BE MADE ON THE FEASIBILITY OF USING THESE PONDS IN THE VARIOUS SOIL AND CLIMATIC ZONES OF THE USSR.

USSR PROYEKTIROVANIYE I RASCHET OCHISTNYKH SOORUZHENIY VODOPROVODOV (DESIGN AND PLANNING OF WATER PURIFICATION SYSTEMS)
KUL'SKIY, L.A., AND OTHERS EPA
ST( ) RUSSIAN 00/00/72 PGS 1-424 ID# 00795A
ALSO PMB, SE

THE FIRST SECTION OF THE BOOK IS A GENERAL DISCUSSION OF SOURCES OF WATER SUPPLY, METHODS, TECHNOLOGICAL PROCESSES AND REAGENTS USED IN WATER PURIFICATION, DEMANDS ON WATER QUALITY, AND TECHNOLOGICAL AND ECONOMIC PRINCIPLES OF WATER SUPPLY. THE AUTHORS THEN PRESENT DETAILED TECHNICAL INFORMATION ON DESIGN AND PLANNING OF WATER PURIFICATION PLANTS AND VARIOUS APPARATUS USED IN TREATMENT PROCESS. TECHNOLOGICAL PROBLEMS DISCUSSED INCLUDE: REGULATION OF REAGENTS; DISINFECTION BY MEANS OF CHLORINATION, OZONIZATION, IONIZATION AND ULTRAVIOLET IRRADIATION; FLUORINATION AND DEFLUORINATION OF DRINKING WATER; REMOVAL OF IRON, MAGANESE AND SILICIC ACID; DESALINATION; TREATMENT OF WATER IN RECYCLING SYSTEMS; AND STABILIZATION OF COOLING WATER. MEANS OF AUTOMATION, WORK REGULATION AND MANAGEMENT OF TREATMENT STATIONS ARE DISCUSSED. THE AUTHORS INCLUDE NEW DATA ON STANDARDS AND COMPARATIVE COST EVALUATION OF VARIOUS PURIFICATION SYSTEMS.

USSR ISSLEDOVANIYA PO OCHISTKE STOCHNYKH VOD (STUDIES ON PURIFICATION OF WASTE WATER)
MOSCOW. INZHERNO-STROITEL'NYY INSTITUT EPA
ST( ) RUSSIAN 00/00/71 PGS 1-138 ID# 00796A
MOSCOW ENGINEERING INST.

THIS COLLECTION CONTAINS REPORTS ON RESEARCH CONDUCTED AT THE MOSCOW ENGINEERING INSTITUTE ON MEANS OF PURIFYING CITY SEWAGE AND INDUSTRIAL WASTEWATERS. RESEARCH ON SEWAGE PURIFICATION INCLUDES IMPROVED HIGH CAPACITY AERATION TANKS, MECHANICAL SURFACE DISC AERATORS, BIOLOGICAL FILTERS WITH SOFT PLASTIC CORE, BALANCE OF ORGANIC SUBSTANCES IN BIOCHEMICAL FILTERS AND COMPARATIVE OXIDATION CAPACITY OF AEROBIC AND ANAEROBIC SEDIMENTS. METHODS OF PURIFYING EFFLUENTS FROM TEXTILE AND WOOLENS INDUSTRIES INCLUDE RECYCLING SYSTEMS, SETTLING TANKS AND A NEW FILTER SYSTEM CONTAINING IRON FILINGS. VARIOUS PROBLEMS IN PURIFICATION OF EFFLUENTS FROM CHEMICAL AND PHARMACEUTICAL INDUSTRY INCLUDE USES OF ACTIVATED CHARCOAL FILTERS AND GAS CONVERSION FILTERS, AND MEANS OF PURIFYING EFFLUENTS FROM PRODUCTION OF STEROID HORMONES. THE INSTITUTE IS ALSO STUDYING USE OF SYNTHETIC HIGH MOLECULAR SUBSTANCES IN PURIFICATION OF WASTE WATER FROM PETROLEUM INDUSTRY.

USSR "DEVELOPMENT OF URGENT PROBLEMS IN HYGIENE IN THE RSFSR." GIGIYENA I SANITARIYA
SHITSKOVA, A.P. AND OTHERS EPA
ST( ) RUSSIAN 12/00/72 PGS 8-16 ID# 01542A
ALSO SE
*AIR NOISE

WATER

USSR PESTITSIDY I ZHIZN' VODOYEMOV (PESTICIDES AND LIFE IN RESEVOIRS)
BRAGINSKIY, L.P. EPA
ST( ) RUSSIAN 00/00/72 PGS 1-227 ID# 01562A
*PESTICIDES

USSR SANITARNYYE USLOVIYA SPUSKA STOCHNYKH VOD V VODOYEMY (SANITARY CONDITIONS FOR DUMPING WASTEWATER IN RESEVOIRS)
CHERKINSKIY, S.N. EPA
ST( ) RUSSIAN 00/00/71 PGS 1-208 ID# 01564A
ALSO IRB, PMR

THIS BOOK IS CONCERNED WITH SCIENTIFIC AND PRACTICAL PRINCIPLES FOR DETERMINING CONDITIONS FOR DUMPING WASTEWATER WITHOUT DAMAGE TO SANITARY QUALITY OF WATER RESEVOIRS. THE AUTHOR PRESENTS DETAILED TECHNICAL MATERIAL ON METHODS OF EVALUATING THE STABILITY OF POLLUTANTS, THEIR EFFECT ON ORGANIC MAKEUP OF RESEVOIRS AND CONCOMITANT IMPACT ON THE NATURAL PURIFICATION PROCESS, THEIR EFFECT ON ORGANOLEPTIC PROPERTIES OF THE WATER, ON CONTENT OF SUSPENDED MATTER IN THE WATER, AND ON THE GENERAL HEALTH OF THE POPULATION. HE SUMMARIZES SOVIET WATER SANITATION LEGISLATION IN TERMS OF PUBLIC HEALTH AND SANITATION TECHNOLOGY REQUIREMENTS AND THE RESPONSIBILITY OF VARIOUS ECONOMIC SECTORS FOR WATER POLLUTION. INCREASED DEMANDS ON WATER RESOURCES DUE TO GROWTH IN VOLUME AND VARIETY OF INDUSTRIAL PRODUCTION AND PROBLEMS REQUIRING FURTHER RESEARCH ARE DISCUSSED.

USSR VODOSNABZHENIYE, KANALIZATSIYA, GIDROTEKHNICKESKIYE SOORUZHENIYA (WATER SUPPLY, DRAINAGE, HYDROTECHNICAL STRUCTURES) V. XV.
UGINCHIS, A.A., CHIEF EDITOR EPA
ST( ) RUSSIAN 00/00/72 PGS 1-111 ID# 01565A

THIS BOOK IS A COLLECTION OF ARTICLES FOR WATER SANITATION SPECIALISTS AND ENGINEERS WORKING WITH WATER SUPPLY AND DRAINAGE SYSTEMS. SUBJECTS DISCUSSED IN VARIOUS ARTICLES INCLUDE: CHANGES IN SEAWATER USED IN RECYCLING WATER SUPPLY SYSTEMS; DESIGN OF RECYCLING WATER SUPPLY SYSTEMS FOR PROCESSING OF SULFUR ORE AND PRODUCTION OF MAGANESE-SILICON; USE OF FERRIC IRON SULFATE AS A COAGULANT FOR PURIFICATION OF DRINKING WATER; BIOCHEMICAL MEANS OF CLEANSING WASTEWATER CONTAINING NON-OXIDIZED SULFUR COMPOUNDS; TOXIC PROPERTIES AND BIOCHEMICAL REMOVAL OF PROPYLENE OXIDE AND PROPYLENE GYLCOL IN WASTEWATER; BIOCHEMICAL METHODS OF REMOVING RESIDUAL ORGANIC POLLUTANTS; USE OF ALUMINUM HYDROXIDE FOR ADSORPTION OF KEROSENE IN WASTEWATER; FILTERS FOR REMOVING FLOATING LAYERS OF POLLUTANTS; MICROFILTERS FOR CLEANSING PULP FACTORY EFFLUENTS; EFFECT OF DIETHYL MALONATE AND MALONONITRILE ON SANITARY STATE OF RESEVOIRS; AND USE OF CITY SEWAGE FOR INDUSTRIAL WATER SUPPLY.

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USSR "TECHNOLOGY AND THE PRESERVATION OF THE ENVIRONMENT." PRIRODA
PARSHENKOV, SERGEY ALEKSANDROVICH EPA
ST( ) RUSSIAN 02/00/72 PGS 46-51 ID# 01573A
ALSO PMA
*GENERAL AIR

USSR MEKHANICHESKAYA OCHISTKA STOCHNYKH VOD (MECHANICAL PURIFICATION OF WASTEWATER)
YAKOVLEV, S.V. AND V.I. KALITSUN EPA
ST( ) RUSSIAN 00/00/72 PGS 1-197 ID# 01575A

THIS BOOK, FOR ENGINEERS WORKING ON DESIGN AND CONSTRUCTION OF INDUSTRIAL SEWAGE SYSTEMS, DESCRIBES METHODS OF MECHANICAL PURIFICATION OF WASTEWATER AS WELL AS TECHNICAL REQUIREMENTS, APPARATUS AND TYPES OF CONSTRUCTION OF WATER PURIFICATION PLANTS IN THE USSR AND ABROAD. THE AUTHORS NOTE THAT MECHANICAL PURIFICATION IS THE LEAST EXPENSIVE METHOD OF REMOVING HARMFUL SUBSTANCES FROM WASTEWATER. THOUGH MECHANICAL PURIFICATION IS GENERALLY USED FOR PRELIMINARY PREPARATION OF WASTEWATER FOR BIOCHEMICAL, CHEMICAL AND OTHER METHODS OF SECONDARY TREATMENT, IT SHOULD BE EXPLOITED AS MUCH AS POSSIBLE TO REDUCE COST OF FINAL TREATMENT. MATERIAL IS PRESENTED ON TECHNICAL REQUIREMENTS AND PRINCIPLES OF CONSTRUCTION OF VARIOUS TYPES OF FILTERS, SANDTRAPS, RADIAL AND HORIZONTAL SETTLING TANKS, AND SEWAGE NETWORKS. CLASSIFYING WASTEWATER BY COMPOSITION OF POLLUTANTS TO DETERMINE PURIFICATION REQUIREMENTS IN RELATION TO LOCAL CONDITIONS IS DISCUSSED.

USSR POVYSHENIYE EFFEKTIVNOSTI RABOTY OCHISTNYKH SOORUZHENIY VODOPROVODA (INCREASING EFFICIENCY AT WATER PURIFICATION PLANTS)
BIUVSHTEYN, M.M. EPA
ST( ) RUSSIAN 00/00/71 PGS 1-191 ID# 01576A
ALSO PMB

THIS BOOK SUMMARIZES RESEARCH ON MEANS OF INCREASING THE EFFICIENCY OF WATER PURIFICATION PLANTS. THE AUTHOR PRESENTS THE RESULTS OF TECHNOLOGICAL STUDIES OF TRADITIONAL PLANTS WITH REINFORCED CONCRETE CONSTRUCTION, AND OF MODERN EXPERIMENTAL ONES. HE MAKES RECOMMENDATIONS ON MEANS OF PREPARING REAGENT SOLUTIONS AND ON IMPROVED METHODS OF INTRODUCING THE REAGENTS. EXTENSIVE RESEARCH ON MEANS OF PURIFYING DISCOLORED AND MUDDY WATER IS DESCRIBED. QUESTIONS ON THE USE OF COARSE FILTERS AND IMPROVEMENTS IN TECHNOLOGICAL METHODS OF CONTROLLING VARIOUS ASPECTS OF WORK AT PURIFICATION PLANTS ARE DISCUSSED. INSTRUCTIVE MATERIAL ON MANAGEMENT OF PLANTS DURING VARIOUS STAGES OF THE PURIFICATION PROCESS IS INCLUDED. THE BOOK IS DIRECTED TOWARD SPECIALISTS IN THE FIELDS OF DESIGN, CONSTRUCTION AND MANAGEMENT OF WATER PURIFICATION PLANTS.

WATER

USSR

OCHISTKA STOCHNYKH VOD PREDPRIYATIY PISHCHEVOY PROMYSHLENNOSTI (PURIFICATION OF WASTEWATER FROM FOOD PROCESSING INDUSTRY)

IORENTS, V.I.

EPA

ST( ) RUSSIAN 00/00/72 PGS 1-188 ID# 01577A

ALSO PMP

THIS BOOK IS DIRECTED TOWARD ENGINEERS WORKING IN DESIGN, CONSTRUCTION AND MANAGEMENT OF SEWAGE PURIFICATION PLANTS IN THE FOOD INDUSTRY. THE AUTHOR DISCUSSES CHARACTERISTICS OF POLLUTANTS AND PROBLEMS RELATED TO DISPOSAL OF WASTEWATER FROM FRUIT AND VEGETABLE CANNING, WINE-MAKING, ALCOHOLIC AND NONALCOHOLIC BEVERAGE PRODUCTION, MEAT PROCESSING, FAT RENDERING, BAKING, CONFECTION MANUFACTURE AND OTHER FOOD INDUSTRIES. WITH REGARD TO THE DESIGN OF PURIFICATION PLANTS FOR THESE INDUSTRIES, THE AUTHOR PRESENTS PRINCIPLES IN CONSTRCUTION OF DRAINAGE NETWORKS, PUMPING STATIONS, PRELIMINARY TREATMENT PLANTS, AND APPARATUS FOR DETOXIFICATION OF SEDIMENTS, BIOLOGICAL PURIFICATION TREATMENT PLANTS, AND APPARATUS FOR DETOXIFICATION OF SEDIMENTS, BIOLOGICAL PURIFICATION, MECHANICAL PURIFICATION AND DISINFECTION OF WASTEWATER. HE EVALUATES CERTAIN PROBLEMS IN MANAGEMENT OF SEWAGE PURIFICATION PLANTS, INCLUDING TECHNICAL AND ECONOMIC STANDARDS, METHODS OF COMPARTMENTALIZATION AND AUTOMATION OF PLANTS, AND MEANS OF MONITORING WORK QUALITY.

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