



CENTER FOR INTERNATIONAL ENVIRONMENT INFORMATION
300 EAST 42nd STREET, NEW YORK, NEW YORK 10017, (212) 697-3232. CABLE ADDRESS: UNASAMER.

FOR IMMEDIATE RELEASE

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NATIONAL SCIENCE FOUNDATION AIDS NEWS MEDIA COVERAGE
OF ENERGY AND TOXIC SUBSTANCES

NEW YORK -- The National Science Foundation has made a \$90,381 grant to the non-profit Center for International Environment Information for a service designed to help journalists cover stories on energy and toxic substances.

This service is incorporated in two directories, both listing specialists who have agreed to answer telephone queries from reporters.

The first directory -- a 140-page Guide to Energy Specialists -- was published in March, 1979. It is now used by reporters and editors in over 2,000 daily newspapers and radio and TV newsrooms. The Guide includes 1,000 energy specialists in a broad range of technologies: nuclear, solar, coal, biomass, wind and petroleum. They represent government, industry, environmental organizations and the academic and scientific communities. The Foundation grant will be used to update and expand the Guide.

The second volume -- a Guide to Specialists on Toxic Substances -- will list over 2,000 individuals who are among the top U.S. experts on the nature and impact of a wide range of toxic substances on human health and the environment. These experts will also be drawn from government, industry, environmental organizations, the scientific and academic communities, and, in addition, from labor unions.

In announcing the National Science Foundation grant, Whitman Bassow, executive director of the Center and a former correspondent for United Press International and Newsweek, said that "the long-range aim of the media service is to help improve reporting on these complex issues so that Americans can get a clearer idea not only of what's happening, but of what is at stake for the country and for themselves."

Both Guides are scheduled for publication by the end of 1980 and will be updated periodically. One copy of each will be offered free to 2,000 daily newspapers, radio and TV stations.

Other funding for the Guides has been provided by private foundations, corporations and environmental organizations.

Further information on the media services provided by the Center can be obtained by contacting the Center for International Environment Information, 300 East 42nd Street, New York, N.Y. 10017.
Tel: (212) 697-3232.

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GUIDE TO SPECIALISTS ON TOXIC SUBSTANCES

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Contributors to the Guide to Specialists on Toxic

Substances

1. Allied Chemical Corporation
2. Atlantic Richfield Company
3. BASF-Wyandotte Corporation
4. Celanese Corporation
5. Cities Service Company
6. Corning Glass Works Foundation
7. CPC International
8. Gulf Oil Co.
9. International Minerals & Chemicals Corp.
10. Koppers Co.
11. Mitre Corporation
12. Monsanto Corporation
13. National Science Foundation
14. National Wildlife Federation
15. NL Industries, Incorporated
16. Olin Corporation
17. Phillips Petroleum Company
18. Procter & Gamble Co.
19. Shell Oil Co.
20. Sun Chemical Corporation
21. Tenneco, Incorporated
22. Texasgulf, Incorporated
23. Union Carbide Co.
24. W.R. Grace & Company

April 9, 1980

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SUBJECT INDEX

(Draft)

GUIDE TO SPECIALISTS ON TOXIC SUBSTANCES

An Environmental Issues Media
Guide to be published by the
Center for International
Environment Information.

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INTRODUCTION

The Center for International Environment Information, a non-profit, non-advocacy organization, presents this preview of an important and extensive project: a Guide to Specialists on Toxic Substances for the news media. When published in 1980, the Guide will contain the names of approximately 1,000 specialists working on various aspects of toxic substance evaluation and control issues. The Guide is unique in that all individuals listed have agreed, as a public service, to respond to inquiries from the news media for background information and comments on news developments related to toxic substances.

This Guide follows the format of the Guide to Energy Specialists, the first volume in the series of Environmental Issues Media Guides, which the Center has just published. The Toxics Guide is designed to provide the same quick access to specialists, and, although intended mainly for the use of journalists working under deadline pressure, will be an invaluable tool for other professionals in industry and government.

The specialists listed in the Guide are selected by their peers and are of uniformly high calibre. They are drawn from government, the academic community, industry, trade associations, research institutions and environmental organizations in order to provide journalists with a broad range of knowledgeable sources. The individuals are chosen only after consultation with prominent specialists working in the field and review by appropriate professional and trade associations.

The Guide is divided into three sections. Section I is the index. Section II repeats the index categories, but under each one there is a list of specialists in the category subject. (A page from the Energy Guide illustrates Section II.) Section III contains an alphabetical listing of the individuals, their addresses, phone numbers and a brief professional profile (illustrated by a page from the Energy Guide).

The Guide would be used as follows: a reporter looking for a specialist on waste water treatment in the chemical industry would first find that topic in Section I (index), then turn to Section II and, under the same heading, see who is listed. Then the reporter turns to Section III where all the names are listed alphabetically, together with the information needed to make the contact. The professional profile of each specialist will help the reporter decide who would be the most appropriate story source.

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AGRICULTURE

Air Pollution Generalists
Animal Wastes
Commercial Fertilizers
Food and Produce Processing (see FOOD INDUSTRY)
Legal, Institutional and Regulatory Issues
Pesticides (see PESTICIDES)
Salination due to Irrigation
Water Pollution and Wastewater Management

ASBESTOS

(see AUTOMOBILES/Brakes; CEMENT MANUFACTURING/Additives; CONSTRUCTION AND DEMOLITION /Asbestos; MINING/Non-Metallic Ores, Asbestos)

AUTOMOBILES

Air Pollution (see Brakes -- Asbestos Particles; FOSSIL AND MINERAL FUELS/Combustion)

Brakes -- Asbestos Particles

Fuel

Combustion (see FOSSIL OR MINERAL FUELS/Combustion)
Constituent and Additive Chemicals

Legal and Regulatory Issues

Manufacture (see METAL PRODUCTS; RUBBER AND RUBBER PRODUCTS MANUFACTURE; METALLURGICAL PROCESSES; PLASTICS)

BATTERY MANUFACTURE

Primary Batteries
Air Pollution
Water Pollution

Secondary Batteries
Air Pollution
Water Pollution

CEMENT MANUFACTURING AND CONCRETE PRODUCTS

Additives (asbestos, mortar aids, reinforcers, set modifiers, soda ash)
Air Pollution
Water Pollution and Wastewater Management

CERAMICS INDUSTRY

Air Pollution
Brick and Tile
Clay Mining and Processing
Glazes and Pigments
Legal and Regulatory Issues
Water Pollution and Wastewater Management

CHEMICAL MANUFACTURING

Air Pollution
 Environmental Transport and Fate
 Generalists
 Legal and Regulatory Issues
 Recycling/Resource Recovery
 Spills and Clean-up (see TRANSPORTATION OF HAZARDOUS SUBSTANCES)
 Transportation (see TRANSPORTATION OF HAZARDOUS SUBSTANCES)
 Waste Disposal
 Liquid
 Disposal
 Chemical Treatment (detoxification and destruction)
 Physical Treatment
 Storage
 Solid (incineration and storage)

 Water Pollution and Wastewater Management
 Workplace Safety and Health

CONSTRUCTION AND DEMOLITION

Air Pollution
 Asbestos
 General Health Concerns (public and workplace)
 Legal and Institutional Issues

DRINKING WATER

(see MUNICIPAL DRINKING WATER TREATMENT)

DRY CLEANING

Air Pollution
 Health Effects -- Residues and Fumes
 Legal and Regulatory Issues
 Workplace Hazards (see Health Effects -- Residues and Fumes)

ELECTROPLATING

Air Pollution
 Finishing (buffing and polishing)
 Legal and Regulatory Issues
 Plating Processes (anti-foamers, brighteners, cleaning and degreasing)
 Waste Disposal and Recycle
 Water Pollution and Wastewater Management
 Workplace Hazards

EXPLOSIVES MANUFACTURE

Air Pollution

 Production
 Mixing
 Shelf Life
 Spills
 Storage

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EXPLOSIVES MANUFACTURE (Cont'd.)

Transportation (see TRANSPORTATION OF HAZARDOUS SUBSTANCES)

Waste Disposal (incineration, treatment, recovery and recycling)

Water Pollution and Wastewater Management

Workplace Hazards

FERTILIZERS (see AGRICULTURE)

FOOD INDUSTRY

Animal Products

Dairy Food and Egg Processing

Air Pollution

Residuals

Water Pollution and Wastewater Management

Meat Processing

Air Pollution

Residuals (by-products from slaughter)

Water Pollution and Wastewater Management

Poultry Processing

Air Pollution

Residuals

Water Pollution and Wastewater Management

Legal Issues and Regulation

Packaging Contamination Issues

Plant Products

Cereal Grains and Oil Seeds (Edible oils)

Processing -- Milling and/or Refining

Air Pollution

Water Pollution and Wastewater Management

Storage

Fruit and Vegetable Processing

Air Pollution

Solid Waste

Water Pollution and Wastewater Management

Sugar Refining

Air Pollution

Residuals

Water Pollution and Wastewater Management

Specialty Foods Processing

Air Pollution

Solid Wastes

Water Pollution and Wastewater Management

FOSSIL OR MINERAL FUELS

Air Pollution (see Coal/Combustion, Conversion, Preparation; General Health Effects; Oil Shale/Processing and Retorting, Upgrading and Refining; Petroleum/Combustion, Extraction and Refining; Tar Sands/Production; NUCLEAR INDUSTRY)

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FOSSIL OR MINERAL FUELS (Cont'd.)

Coal and Coal-Derived Fuels

- Combustion
- Conversion
- Preparation
- Production
 - Deep Mining
 - Acid Drainage
 - Miner Health (Workplace Safety)
 - Strip Mining (Acid Drainage)

General Health Effects of Production and Use (Public and Workplace Hazards)

Oil Shale

- Mining
 - Processing and Retorting
 - Raw Shale Disposal
- Spent Shale Disposal
- Upgrading and Refining

Petroleum and Petroleum-Derived Fuels

- Combustion
 - Mobile Sources
 - Stationary Sources
- Extracting and Refining
- Spills in Production and Storage (see also TRANSPORTATION OF HAZARDOUS SUBSTANCES)

Tar Sands

- Production (mining and in-situ)
- Extraction and Refining

Uranium (see NUCLEAR INDUSTRY)

Water Pollution (see Coal/Production; Oil Shale/Mining, Spent Shale Disposal; Petroleum/Extraction and Refining, Spills; Tar Sands/Production; NUCLEAR INDUSTRY)

Workplace Hazards (see Coal/Miner Health; General Health Effects)

GENERALISTS

Air Pollution

Economics of Regulation

Epidemiologists

Industrial Hygiene

Legal and Regulatory Issues (see also Economics of Regulation)

Occupation Medicine

- General
- Medical Care
- Medical Surveillance

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GENERALISTS (Cont'd.)

Public Health Issues

Radiation (see NUCLEAR INDUSTRY)

Solid Wastes/Solid Waste Management

Testing (includes extrapolation and modeling)

Toxicology

Biochemical

General

Pathology

Acute Toxic Effects

Chronic Toxic Effects

Carcinogenesis

Mutagenesis

Teratogenesis/Reproductive Effects

Water Pollution

Workplace Hazards (see Industrial Hygiene, Occupational Medicine)

GLASS MANUFACTURING

Air Pollution

Release Coatings

Solid Wastes

Water Pollution and Wastewater Management

Workplace Hazards

METALLURGICAL PROCESSES

Air Pollution

Alloys

Aluminum

Copper, Lead and Zinc

Iron and Steel

Casting Resins

Water Pollution and Wastewater Management

Workplace Hazards

MINING: MINERAL EXTRACTION AND PRIMARY PROCESSING

Air Pollution (see this section, Generalists/Environmental Effects,
Human Effects)

Generalists

Environmental Effects

Human Effects (health and safety)

Legal and Regulatory Issues

MINING: MINERAL EXTRACTION AND PRIMARY PROCESSING (Cont'd.)**Metallic Ores****Aluminum****Mining and Extraction****Environmental Effects****Human Health Effects****Legal Issues****Ore Separation****Environmental Effects****Human Health Effects****Copper (as above)****Iron (as above)****Lead and Zinc (as above)****Molybdenum (as above)****Uranium (see NUCLEAR INDUSTRY)****Non-Metallic Minerals****Asbestos (as above)****Clays (see Aluminum; CERAMICS INDUSTRY)****Crushed Rock (as above)****Phosphate (as above) (see also AGRICULTURE/Commercial Fertilizers)****Water Pollution (see each category/Environmental Effects, Human Health Effects)****MUNICIPAL DRINKING WATER TREATMENT****Additives****Carbon Treatments/Filtering****MUNICIPAL SEWAGE TREATMENT****Air Pollution (see Commercial and Domestic Sewage/Incineration)****Commercial and Domestic Sewage****Composting****Discharge into Rivers****Incineration****Ocean Dumping****Sewage Treatment****Legal and Institutional Issues****Urban Storm Runoff****MUNICIPAL SOLID WASTE DISPOSAL****Air Pollution (see Incineration)****Incineration****Land****Ocean****Landfills (siting, leachate, persistent toxics)****Legal and Institutional Issues****AP00025151**

MUNICIPAL SOLID WASTE DISPOSAL (Cont'd.)

Sludge and Municipal Solid Waste Co-Disposal

Water Pollution (see Landfills, Sludge and Municipal Waste Co-Disposal)

NUCLEAR INDUSTRY

Air Pollution (see Effluent from Nuclear Reactors; Fuel Cycle/Mining, Milling of Uranium and Mill Tailings)

Effluent from Nuclear Reactors

Fuel Cycle

 Mining, Milling of Uranium and Mill Tailings

 Waste Disposal

 Low Level Waste Burial

 Spent Fuel Storage/Disposal

Health Effects of Radiation

Legal and Regulatory Issues

Non-Utility Radiation Sources

Water Pollution and Wastewater Management (see Effluent from Nuclear Reactors; Fuel Cycle/Mining, Milling of Uranium and Mill Tailings)

Workplace Hazards (see Mining, Milling of Uranium and Mill Tailings; Health Effects of Radiation)

PAINTS AND COATINGS

Air Pollution (see this section, Manufacturing)

Clear Coatings (shellac, lacquer, varnish)

Manufacturing

 Air Pollution and Control

 Water Pollution and Wastewater Management

 Waste Disposal (see CHEMICAL MANUFACTURE/Waste Disposal)

Medium (oil, polymer, etc.)

Pigments

Solvents

Spray Painting

Water Pollution (see this section, Manufacturing)

Wood Preservatives/Stains

Workplace Hazards

PAPER MANUFACTURE

Air Pollution

Bleaching

Coatings

Dyes

Pulping

 Chemical

 Mechanical

Water Pollution/Wastewater Management

Workplace Hazards

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PESTICIDES

- Acaricides/Miticides (see Insecticides)
- Algicides and Aquatic Herbicides
- Avicides
- Biocides/Disinfectants
- Fumigants
 - Other than Soil
 - Soil
- Fungicides
 - Horticultural
 - Persistence/Fate/Toxicology
 - Seed Coatings
 - Soil Treatment
 - Wood Preservatives (see PAINTS AND COATINGS)
- General Aspects
- Health Effects (see Persistence/Fate/Toxicology and Generalists within each section)
- Herbicides
 - Agricultural (range, pasture, turf, soils and crops)
 - Aquatic (see this section, Algicides and Aquatic Herbicides)
 - Forests/Rights of Way
 - Generalists
 - Persistence/Fate/Toxicology
- Insecticides
 - Agricultural
 - Forest
 - House/Garden
 - Persistence/Fate/Toxicology
 - Urban
- Integrated Pest Management
 - General
 - Urban
- Legal, Regulatory and Institutional Issues
- Nematicides (see also Fumigants)
- Persistence/Fate/Toxicology Generalists
- Rodenticides
- Workplace Hazards (see Persistence/Fate/Toxicology Generalists and in each section Persistence/Fate/Toxicology and Generalists; see also this section Legal, Regulatory and Institutional Issues)

PHOTOGRAPHY

- Film Manufacture (see also PLASTICS INDUSTRY)
- Film Processing, Water Pollution and Wastewater Management

PLASTICS INDUSTRY

- Air Pollution
- Liquid Waste
- Solid Waste Disposal
 - Incineration
 - Landfills
- Water Pollution and Wastewater Management
- Workplace Hazards

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PRINTING AND GRAPHIC ARTS

Air Pollution
Water Pollution
Workplace Hazards (pigments, solvents, ventilation requirements, etc.)

RUBBER AND RUBBER PRODUCTS MANUFACTURE

Air Pollution
Liquid Waste Disposal
Solid Waste Disposal/Recycle and Recovery
Water Pollution and Wastewater Management

SOAPS AND DETERGENTS

Air Pollution
Components
 Bleaching Agents (chlorine, peroxygen)
 Borax
 Builders (phosphates, silicates)
 Enzymes
 Fabric Conditioners
 Fatty Acids
 Glycerine
 Soil Suspending Agents
 Surfactants
Generalists
Toxicological Testing
Water Pollution & Wastewater Treatment

SYNTHETIC FUELS (see FOSSIL OR MINERAL FUELS/Coal Conversion; Oil Shale; Tar Sands)

TAR AND ASPHALT

Air Pollution
Water Pollution
Workplace Hazards

TEXTILES INDUSTRY

Air Pollution
Fibers Manufacture
 Natural
 Synthetic
Production Processes
 Bleaching
 Coating
 Dyeing
 Printing
 Sizing
Specialty Finishes
Water Pollution and Wastewater Management
Workplace Hazards (Bysinosis, brown lung, etc.)

TRANSPORTATION OF HAZARDOUS SUBSTANCES

Air Transportation
Public Health Hazards
Occupational Health Hazards
Legal and Regulatory Issues

Shipping
Occupational Health Hazards
Public Health Hazards
Spills and Cleanup

Surface Transportation
Occupational Health Hazards
Pipelines
Public Health Hazards
Trains
Trucking

WOOD PRODUCTS (See also PAPER MANUFACTURING)

Air Pollution Generalists
Bark and Sawdust
Lumber
Particleboard and Chipboard
Plywood and Veneers
Water Pollution and Wastewater Management
Wood Chemicals
Workplace Hazards