

GARBAGE PROJECT RESEARCH & REPORTING RECORD @ 2000

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* INTERESTS *

Behavioral science measures of solid waste related to: diet and health; demographic and social differentiation; marketing and materialistic values; solid waste and hazardous waste generation; recycling, source reduction, and resource management; landfill composition and change through time.

* GARBAGE PROJECT FRESH REFUSE DATA SETS, 1973- *

- 1973-94 **Regular Sorts** of Residential Solid Waste in Tucson, AZ
- [1974-1975] **Cross-verification** of the Pima County Health Survey
 - [1980-1982] **Cross-verification** of the USDA Nationwide Food Consumption Survey
 - [1985-1986] **Cross-verification** of the NCI Food Frequency Questionnaire in Spanish
- 1976 **Regular Sorts** of Residential Solid Waste in Green Valley, AZ
- [1984-1985] **Cross-verification** of the NCI Food Frequency Questionnaire
- 1978-80 **Regular Sorts** of Residential Solid Waste in Milwaukee, WI
- 1980-81 **Regular Sorts** of Residential Solid Waste in Mexico City, DF
- [1983] **Regular Sorts** of Residential Solid Waste in Mexico City, DF
 - [1987] **Household Hazardous Waste (HHW) Sorts** in Mexico City, DF
- 1980-81 **Regular Sorts** of Residential Solid Waste in Marin County, CA
- [1986] **HHW Sorts** of Residential Solid Waste in Marin County, CA
- 1986 **HHW Sorts** of Residential Solid Waste in New Orleans, LA
- 1988 **HHW & Weight/Volume Sorts** of Residential Solid Waste in Phoenix, AZ
- 1992 **Weight/Volume Sorts** of residential refuse in Tucson (AZ)
- 1993 **Weight/Volume Sorts** of Commercial Solid Waste in Tucson (AZ)
- 1993 **Weight/Volume Sorts** of Apartment Complex Solid Waste in Tucson, AZ
- 1994 **Weight/Volume Sorts** of City of Tucson Government Offices Solid Waste
- 1995 **Weight/Volume Sorts** of University of Arizona Campus Solid Waste Tucson, AZ
- 1995 **Weight/Volume Sorts** at the American Graduate School of International Management, Glendale, AZ
- 1996 **Weight/Volume Sorts** of Outback Restaurant's Solid Waste
- 1996 **HHW Pulls** of Residential Refuse in Tucson, AZ
- 1996 **Weight/Volume Sorts** of Solid Waste Generated by U.S. Navy Ships
- USS Guam
 - USS George Washington
 - USS Merrimack
 - USS Radford
 - USS Roberts
 - USS Stout
- 1996 **Weight/Volume Sorts** of Solid Waste Generated by U. S. Navy Surface Combatants
- USS Essex
 - USS Fitzgerald
 - USS Sides
- 1997-00 USDA Food Waste **Weight/Volume Sorts** (including **HHW**) in Tucson, AZ
- 1997 **Weight/Volume Sorts** of Solid Waste for the Hopi Tribe, AZ
- 1998 USDA Food Waste **Weight/Volume Sorts** (including **HHW**) in Delaware
- 1999 **Weight/Volume Sort** Audit of Residential Fresh Refuse at Los Reales Landfill
- 1999-00 **Weight/Volume Sorts** of Residential Refuse in Rural AZ Communities
- Patagonia
 - Parker
 - Williams
 - Willcox

- Casa Grande
- Hayden

2000 **Weight/Volume Sorts** of Residential Refuse in Nogales, AZ

*** GP LANDFILL EXCAVATION DATA SETS, 1987- ***

- 1987 • Mullins Landfill, Tucson
- Greene Valley Landfill, Chicago
- Durham Road Landfill, The Bay Area, CA
- 1988 • Mallard North Landfill, Chicago
- Sunnyvale Landfill, The Bay Area, CA
- 1989 • Los Reales Landfill, Tucson, AZ
- Rio Salado Landfill, Tempe, AZ
- Fresh Kills Landfill, Staten Island, NY
- 1990 • Collier County Landfill, Naples, FL
- Naples Airport Landfill, Naples, FL
- Harrison Road Landfill, Tucson, AZ
- 1991 • Old Burlington Landfill, Halton Region, Canada
- Brock West Landfill, Toronto Metro, Canada
- Oakville Landfill, Halton Region, Canada
- West Mall Dump, Toronto Metro, Canada
- 1992 • Cross State Landfill, West Palm Beach, FL
- 1994 • El Dumpe Dumpsite, Tucson, AZ
- 1995 • Buzby Landfill, Voorhees Township, NJ
- 1998 • "A" Mountain Landfill, Tucson, AZ
- Rio Nuevo South Landfill, Tucson, AZ
- Nearmont Landfill, Tucson, AZ
- Sandtown Landfill "Wet" and "Dry" Cells, Sandtown, DE

*** Awards to the Garbage Project Staff & Students ***

- 1990 **AAAS/Westinghouse Award for Public Understanding of Science & Technology**
- 1992 **AAA Solon T. Kimball Award for Public and Applied Anthropology**

abbreviations used throughout:

Assoc. = Association; **AAA** = American Anthropological Association; **Inst.** = Institute
AM = Annual Meeting; **SAA** = Society for American Archaeology

GARBAGE PROJECT GRANTS

General Funds: Chevron Oil, 1973, 1974, 1975; American Can Company, 1976, 1978; General Mills, 1973; Hoffman-La Roche, 1973; SCA Services 1973; Continental Can Company, 1977, 1978

*** METHODS TO MEASURE AND MONITOR DIET ***

The Socio-Economic Correlates of Household Residuals: National Science Foundation, Program for Research Applied to National Needs, Contract # AEN 75-16271, 1975-76

Food Purchase/Discard Patterns of Older Americans--The Green Valley Garbage Project: Frito-Lay Company, 1976

Evaluation of Methods for Estimating Household Food Loss: United States Department of Agriculture, Consumer Nutrition Division, 1980-82

Verification of the USDA NFCS: United States Department of Agriculture, Consumer Nutrition Division, Contract # 53-3198-4-49, 1984-85

Meat Fat in the American Diet: National Live Stock and Meat Board, 1984, 1985

Verification of the NCI Food Frequency Questionnaire -- The Green Valley Garbage Project II: Governing Committee of Social and Behavioral Sciences Research, University of Arizona, 1985

New Methods to Assess Diet/Health of Hispanics (sub-contractor): National Cancer Inst., Health and Human

Services, Small Business Innovation Program, 1985.

*** METHODS TO CHARACTERIZE HOUSEHOLD SOLID WASTES ***

Responses to Recycling Media Campaigns:

- Environmental Protection Agency, Solid Waste Research Branch, Contract # R-805635-01-0 1977-78
- National Science Foundation, Program for Applied Science and Research Applications, Agreement # PFR 78-00660, 1977-78

The Milwaukee Garbage Project: Packaging in Household Solid Wastes:

- Environmental Protection Agency, Solid Waste Research Branch, 1978-79
- Solid Waste Council of the American Paper Inst., 1978-79

Estimation of the Heavy Metal Content of Municipal Wastewater Sludge from Common Household

Products: Gurnham and Associates, The Loftus Corporation, 1979

Hazardous Wastes in Household Refuse – Tucson: Amigos, 1985

Characterization of Hazardous Household Solid Wastes Relevant to the Generation of Pollutants by Waste-to-Energy Plants:

- Dames and Moore (Ecological Consultants) and Miller Brewing Co., 1985
- Queens College Foundation, 1986

Estimation and Evaluation of Hazardous Materials in Residential Solid Waste: The Dangers of

Groundwater Pollution: National Science Foundation, Environmental and Water Quality Engineering, ECE 851 2090, 1985-88

The Sociometric Correlates of Hazardous Materials in Household Refuse in a Wet-Lands City: The

New Orleans Case Study: Environmental Protection Agency, Office of Solid Waste and Emergency Response, 1986.

The Phoenix Project: Characterization of Recyclable Materials in Residential Solid Wastes: The City of Phoenix, 1987-88

Quantification of Hazardous Constituents in Household Refuse: CSMA, 1996-97.

Residential Solid Waste Characterization, Tucson, Arizona: The City of Tucson, 1997.

Solid Waste Assessment: Natural Resources Division, Kaibab Band of Paiute Indians, Pipe Springs, Arizona, 1998.

City of Nogales, Arizona Waste Characterization Study: Arizona Department of Commerce and Arizona Department of Environmental Quality, 2000.

A Waste Characterization for Selected Rural Communities: Southwest Public Recycling Association, Tucson, AZ, 2000.

*** METHODS TO EXCAVATE AND CHARACTERIZE LANDFILLS ***

The Mullins Dig: Archaeological Excavations of Landfills in Three Cities Dating to 1977-1985: The UofA Foundation, 1987.

Archaeological Excavations of Landfills in Three Cities–Pre-1975 Refuse: The UofA Foundation, 1988.

Archaeological Excavations of Landfills in Two Cities–Pre-1960 Refuse: The UofA Foundation, 1989; Procter and Gamble, 1989.

Archaeological Excavations of Two Landfills in a Wet Climate: Council for Solid Waste Solutions, 1990.

Archaeological Excavations of Four Landfills in the Greater Toronto Area, Canada:

- Trash Research Corporation, Ontario, Canada, 1991-92.
- Ministry of the Environment, Environment Canada, 1991-92.

Archaeological Excavations of the Buzby Landfill: General Electric, 1994-1996.

Archaeological Excavations of the Buzby Landfill: General Electric, 1994-1996

Soil and Waste Characterization Testing for City of Tucson Closed Landfill Gas Study – Five City Owned Landfills: City of Tucson Department of Solid Waste Management, 1999.

*** MATERIALS COMPACTION STUDIES ***

Experiments in Compaction of Fresh and Excavated Solid Wastes to Simulate Volumes in Landfills:

Franklin Associates, 1989-93; Persico, 1989; Mobil, 1990

Experiments in Compaction of Fresh and Excavated Solid Wastes to Simulate Volumes in Landfills: EarthShell, 1993-97.

*** METHODS TO CHARACTERIZE NEIGHBORHOOD SOCIO-DEMOGRAPHICS ***

Household Refuse Measures as a Means to Cross-Verify Neighborhood Socio-Demo-graphic Characteristics: Bureau of the Census, Center for Survey Methods Research, 1986-87.

*** WASTE REDUCTION AUDITS & EVALUATIONS ***

Characterization of Commercial Solid Waste in Tucson, Arizona: Grant No. 86, Reduce, Reuse & Recycle Grant Program, Arizona Department of Environmental Quality, 1993-94.

Comprehensive Procurement Audit As It Pertains to Recycled Products: Department of Procurement, City of Tucson, 199

A Proposed WRAP (Waste Reduction Alternatives Programs) Resource Manual:

Grant No. 353300R460, Reduce, Reuse & Recycle Grant Program, Arizona Department of Environmental Quality, 1993-94.

Solid Waste Retention Aboard US Navy Ships -- A Study on the Limits to and Effects of Holding Trash on Board while at Sea: USS Guam, USS George Washington, USS Merrimack, USS Radford, USS Roberts, USS Stout: Office of the Chief of Naval Operations, 1996.

Characterization of Solid Waste from US Navy Surface Combatants -- A Study on the Limits to and Effects of Holding Trash on Board while at Sea: USS Essex, USS Fitzgerald, USS Sides. Office of the Chief of Naval Operations, 1996.

*** COMBINED DIET MONITOR/SOLID WASTE APPLICATION ***

The Sydney Garbage Project, Planning Grants:

Australian Museum Society, 1978; New South Wales State Pollution Control Commission, 1978; Unilever-Australia, 1978; The UofA Foundation, 1978.

The Mexico City Garbage Project:

- Diet Among Different Income Groups -- Instituto Nacional del Consumidor, Mexico, 1980-81, 1983.
- Packaging in Household Solid Wastes -- Solid Waste Council of the American Paper Inst., 1983-84.
- The UofA Foundation, 1983, 1984.
- Hazardous Wastes in Household Refuse, CECODES, 1987.

The Marin County Garbage Project:

- Evaluation of the Marin County Household Hazardous Materials Collection Day--Assoc. of Bay Area Governments and The San Francisco Foundation, 1986.
- Beef, Meat Fat, and Consumer Awareness -- California Beef Council, 1985.

Japan: An Evaluation of an "Integrated" Solid Waste Management System: Council for Solid Waste Solutions, 1989.

*** COMBINED FRESH & LANDFILLED SOLID WASTE STUDIES ***

Source Reduction Measured through Fresh and Lanfilled Refuse: The UA Foundation, 1995-96.

*** COMMODITY-SPECIFIC STUDIES ***

- **Socio-economic Correlates of Aluminum Can Recycling:** Alcoa Aluminum, 1973.
- **Household Waste of Fresh Fruit:** Castle and Cook, 1985.
- **Patterns of Baby Food Purchase and Waste:** Heinz, 1986.
- **Respondent/Refuse Comparisons of the Household Use of Process Red Meat:** Oscar Meyer, 1986.
- **Respondent/Refuse Comparison of the Household Use of Diet Soda:** NutraSweet, 1986.

*** PUBLICATIONS ***

Articles

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 1985 "Where's the beef?" II: a second comparison of respondent reports and refuse records. ***Proceedings of the American Meat Institute Research Conference, 1984***: 48-68.
- Fung, EE and W.L. Rathje
 1982 How we waste \$31 billion in food a year. In ***The 1982 Yearbook of Agriculture***, J. Hayes, ed., pps. 352-357. United States Department of Agriculture, Washington, D. C.
Reprinted: 1985, In ***English Refresher Course***, Max-Hueber Verlag, Ismaning, Germany.
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 1996 Microbial pathogens in municipal solid waste. In ***Microbiology of Solid Waste***, A.C. Palmisano & M.A. Barlaz, eds., pps. 155-173. CRC Press, New York.
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 1984 Study of persistence of enteric viruses in landfilled disposable diapers. ***Environmental Science & Technology* 28**: 1767-1772.
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 1977 Research in the garbage can. ***Science Year, the World Book Scirence Annual***. Field Enterprises, Educational Corporation, Chicago.
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 1994b Garbage analysis: A unique epidemiological study of public health risks. ***Clinical Research Abstracts* 42(1)**: 23A.
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Reprinted: In ***The International Herald Tribune***, 1/24/95.
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 1986 Garbology--tracing consumer behavior through what isn't consumed. In ***On Beyond Interviewing***, pp. 19-29. C. D. Clark, Chicago.
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 1984 El Proyecto Basura. ***American Behavioral Scientist* 28(1)**: 139-153.
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- Reprinted: 1982a, In *Material Culture Studies in America*, T. J. Schlereth, ed., pp. 316-324. American Association for State and Local History, Nashville.
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- 1989b Rubbish! *The Atlantic* 246(6): 99-109.
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 - 1990d, In *Opposing Viewpoints Sources: Environment*, B. Leone et al., eds., pps. 117-123. Greenhaven Press, San Diego.
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 1996b The source reducers' mother lode. **6(4): 12**
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- 1994a Our garbage lifestyles. **1(2): 3-4**
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 1995c Summertime, and the livin' is . . . **2(4): 3**
 1995d All the news that's fit to dig up. **2(5): 3**
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 1996c SR in the OR. **3(3): 3**
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 1996e Exo-Garbology. **3(5): 3**
 1996f X-mess nights. **3(6): 3**
 1997a The ironies of wastfulness. **4(1): 3**
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*** PROFESSIONAL TALKS ***
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*** PROFESSIONAL TALKS TO GOVERNMENT ***
Federal Government -- U.S. Congress

Three briefings sponsored by the Environment and Energy Study Inst., 2/22/89

- Breakfast briefing for US Congressmen
- Briefing for Environment and Solid Waste Committee staff
- Open briefing for all Congressional staff

Testimony before the **US Senate Committee on Environment and Public Works**, 6/21/89, Washington D. C.

Testimony before the **US Senate Commerce Committee, Consumer Sub-committee**, 6/15/90, Washington, D. C.

*** OTA (Office of Technological Assessment) ***

Briefing for OTA staff preparing Report to Congress on Solid Waste, 2/21/89, Washington, D. C.

* **EPA (The Environmental Protection Agency) ***

Resource Recovery Division, 11/5/75, Washington, D. C.
 Workshop, Office of Radiation Programs, 4/13/77, Albuquerque
 Solid and Hazardous Wastes Research Division, Municipal Environmental Research Laboratory, 9/18/78,
 Cincinnati
 Workshop, Subtitle D Task Force, 10/30/84, Tallahassee
 Hazardous Waste Task Force, 3/5/86, Washington, D. C.
 MSW Source Reduction and Recycling Special Conference, 3/24/88, Hot Springs, VA
 Municipal Solid Waste Technology Conference, 1/31/89, San Diego

* **NSF (The National Science Foundation) ***

The President's Science and Technology Advisor and The Committee on Food Processing, Delivery
 Systems, and Nutrition, 7/25/76, Washington, D. C.
RANN (Research Applied to National Needs) Program, 11/3/75, Washington, D. C.
ASRA (Applied Science/Research Applications) Program, 7/30/78, Washington, D.C.

* **USDA (US Department of Agriculture) ***

Consumer Nutrition Division, 5/24/83, Washington, D. C.
 • 12/11/86
 • 4/9/87
 3 Seminar Lecture Series, National Center for Agricultural Utilization Research, 6/10-11/99, Peoria (IL)

* **NCI (National Cancer Institute) ***

ORB, 9/6/84, Silver Springs, Maryland
 Research Seminar, Division of Cancer Prevention and Control, 6/20/86, Silver Springs, Maryland

* **Bureau of the Census ***

Statistical Research Colloquium, Center for Survey Research, 3/3/86, Suitland, Maryland

* **CDC (Center for Disease Control) ***

Research Seminar, 4/18/91, Atlanta

* **Native American Governments ***

Arizona Commission of Indian Affairs and Inter-Tribal Council of Arizona, 10/25/91, Phoenix
 Inter-Tribal Council of Arizona's Solid Waste Task Force, 7/30/96
 Seventh Annual EPA Tribal Conference, 10/26/99

* **State Governments ***

Conference on New Revenue Sources for State and Local Governments, Oklahoma Center for Continuing
 Education, 8/31/77, Norman (OK)
 State Government Affairs Council (**SGAC**) AM, 11/22/88, Orlando
New York State Legislative Commission on Solid Waste, 1/26/89, New York City
South Carolina State Legislature, Briefing, 2/3/89, Hartsville (SC)
Iowa State Legislature, Briefing, 2/9/89, Des Moines
Wisconsin State Legislature, Briefing, 6/8/89, Madison
Oregon State Legislature, Briefing, 6/28/89, Salem
California State Legislature, Briefing, 6/27/89, Sacramento
 American Legislative Exchange Convention (**ALEC**) AM for State Lawmakers, 7/19/89, Monterey, CA
 California State Recycling Officials, Briefing, 9/12/89, Los Angeles
New Jersey State Legislature, Briefing, 10/27/89, Edison, NJ
New York State Legislature, Briefing, 12/16/89, Albany
 Keynote, **Vermont** State Legislators' Banquet, 1/7/90, Montpelier
Connecticut State Legislature 1/12/90, Hartford

Keynote, **Maine** State Legislators' Annual Banquet, 2/1/90, August
National Governor's Conference AM, 2/26/90, Washington, D. C.
Illinois State Legislature, 5/30/90, Springfield
 Midwestern Legislative Conference, 7/23/90, Chicago
ALEC National Leadership Summit on the Environment, 5/16/93, LA
Washington State Solid Waste Task Force AM, 1/6/95, Olympia (WA)
Minnesota Environmental Health Association AM, 5/5/95, Brainerd (MN)
State Legislative Leaders Foundation, Special Conference on "What To Do With Our Trash," 2/16-18/95,
 Tucson
Arizona Department of Environmental Quality, Garbage Project Seminar, 3/2/99, Phoenix

*** County, City & Local Governments ***

Tucson VA Medical Center Lecture Series, 5/21/84
 Southern Arizona Federal Executives Association, 8/15/84, Tucson
Boulder County Department of Public Works, 3/18/85, Boulder, CO
 AG Day Workshop, 1/29/86, Benson, AZ
Marin County Board of Supervisors, Briefing, 4/13/87, San Rafael, CA
Portland City Council and Community Leaders, Briefing, 10/14/88
St. Paul City Council, Hearing, 2/15/89
Minneapolis City Council, Hearing, 2/16/89
DuPage County Commission Landfill and Solid Waste Committee, Hearing, 4/27/89, Warrenville, IL
Suffolk County Legislature, Hearing, 5/5/89, Long Island
Suffolk County Legislature and Community Leaders, 3/28/89, Islip
Los Angeles City and County Officials, Briefing, 6/29/89
National League of Cities, Keynote, Annual City Innovations Conference, 8/17/90, Minneapolis
Atlantic County Utility Authority, Annual Awards Banquet, 10/4/91, Atlantic City (NJ)
Texas Municipal League, Keynote, AM, 10/29/94, Austin

*** International Governments ***

Canada: Food Week Opening Address, Ministry of Agriculture and Food, Ontario, Canada, 10/6/86, Toronto
 Mexico: CONACYT, Centro de Ecodesarrollo, 12/11/79, Mexico City
 England: Nutrition Section, Ministry of Agriculture, Fisheries, and Food, 8/6/78, London
 Argentina: Department of the Environment, 11/93
 Spain: Not yet entered
 Brazil: Not yet entered

*** TALKS TO PROFESSIONAL ASSOCIATIONS ***

Diet and health

American Society of Agricultural Engineers, Food Engineering Division's Symposium, 12/15/82, Chicago
 Arizona Public Health Association AM, Seminar, 9/20/84, Flagstaff
 The Arizona Nutrition Council, 3/29/85, Tucson
 Idaho Dietitians Association AM, Breakfast Address, 4/26/85, Boise
 Society for Nutrition Education AM, Special Symposium, 7/9/85, Los Angeles
 Ludwig Cancer Research Institute, Full-day Seminar, 2/6/86, Toronto
 California Dietetics Association AM, 5/7/86, Oakland
 Idaho Public Health Association AM, Keynote, 6/4/86, Boise
 Kansas Nutrition Conference, Kansas Department of Health & Environment, 2/19/87, Manhattan, KS
 Chicago Dietetic Association and Home Economists in Business, Annual Joint Address, 5/20/87, Chicago
 Institute of Food Technologists, Minnesota Section, 2/18/88, Minneapolis
 ILSI Board of Members AM, 1/15/91, Nassua
 Association for the Study of Food in Society (AAA), 6/14/91, Tucson
 International Foodservice Editorial Council AM, 11/13/92, Tucson
 UA Nutritional Science In-Service Seminar, 11/9/94

*** Hospitals & Medical Trade Associations/Companies ***

National Drug Manufacturers Association of Canada, 10/23/89, San Juan
 Devon Industries AM, 11/1/90, Scottsdale
 Sherwood Medical AM, 2/5/91, Scottsdale
 HIMA (Health Industries Manufacturers Association) AM, 3/18/91, Tucson
 Carondelet St. Mary's Hospital Laboratory, 5/14/91, Tucson
 Medical Marketing Association, 9/24/91, Los Angeles
 Thomas Jefferson Hospital Group, 10/3/91, Philadelphia
 American Society for Healthcare Environmental Services AM, 10/28/91, Las Vegas
 Keynote, Baxter Annual Environmental Conference, 10/6/92, Chicago
 Recycling and Solid Waste Management Conference, Thomas Jefferson Hospital,
 5/6/94, Philadelphia
 Keynote, ASHES (Amer. Soc. of Hospital Environmental Services) Board of Directors Meeting, 5/6/96, Chicago

*** Food-Related Trade Associations ***

National Live Stock and Meat Board, Board of Directors AM, 8/20/84, Nashville
 American Meat Inst., Annual Research Conference, Banquet Address, 9/14/84, New Orleans
 Texas Cattle Feeders Association AM, 10/23/84; Keynote Speaker, 25th AM, 10/26/92, Amarillo
 South Dakota Beef Industry Council, Banquet Address, 11/3/84, Brookings, SD
 California Beef Council, Keynote, 11/15/84, Anaheim, CA
 DeKalb County Livestock Feeders Assoc. AM, Banquet Address, 1/24/85, DeKalb, IL
 Montana Simmental Assoc. AM, 2/1/85, Bozeman
 California Cattle Feeders Assoc., Symposium, 4/12/85, Palo Alto, CA
 Livestock Industry Inst. AM, 6/13/85, Des Moines
 Annual Produce Conference of the Food Marketing Inst., 6/24/85, Monterey, CA
 The SW Meat Packers Assoc. AM, 7/25/85, Ruidosa, NM
 Colorado Cattle Feeders Assoc. AM, 8/15/85, Vail, CO
 National Cattleman's Assoc., Food Editors' Roundup, 10/4/85, Amarillo, TX
 TSCRA Board of Directors AM, 10/5/85, Kerrville, TX
 Arizona Farm Bureau AM, 11/19/85, Phoenix
 Canadian Meat Council AM, Special Address, 2/7/86, Toronto
 The American Meat Inst./Food Marketing Inst. Annual Meat Marketing Conference, 3/25/86, Dallas
 The Grocery Products Manufacturers of Canada, Keynote, 4/15/86, Montreal
 American Meat Inst., Meat Information Conference, 4/30/86, New York
 Dairy Nutrition Council, Annual Writers Conference, Special Address on Retirement Lifestyles, 5/9/86,
 Keystone, CO
 National Broilers Council AM, 7/15/86, Williamsburg
 Food Marketing Inst., Conference on Energy, 9/29/86, Monterey
 California Beef Council AM, 11/19/86, Napa, CA
 California Cattlemen AM, 12/5/86, Fresno
 Western States Meat Assoc. AM, 2/28/87, Reno, NV
 Dairy Council of Greater Kansas City, Writers Conference, 4/29/87, Kansas City
 Nebraska Livestock Feeders AM, Keynote, 11/30/87, Kearney
 Mexican-American Grocers Assoc. AM, 3/21/88, Palm Springs
 The American Spice Traders Association AM, 1/25/89, Palm Springs
 New Jersey Food Council, 1/23/90, Newark
 Connecticut Food Association, 1/11/90, Hartford
 Texas Cattle Feeders, 10/26/92, Amarillo
 Fourth Annual CERES Forum on "Technological Innovation and the Global Food System," sponsored by the
 Georgetown University Center for Food and Nutrition Policy, 11/3/95

*** Marketing ***

American Marketing Association AM, 6/6/76, Los Angeles

- 11/17/77, San Diego Chapter
- 1/18/78, Tucson Chapter
- 5/22/85, Tucson Chapter

Food Marketing Inst.Conf. for Advertising & Marketing Executives, 3/30/87, Washington, D.C.

Retail Council of Canada AM, Keynote, 4/5/87, Toronto

The Soap and Detergent Association, 1/26/89, Boca Raton

National Confectioners Association, 6/11/95, Nashville

*** Solid Waste Management & Recycling ***

SCA Services, 6/25/74, Houston

Browning Ferris Industries (BFI), 6/26/75, Houston

Keynote, Canadian Association of Recycling Industries AM, 6/13/77, Calgary

Government Refuse Collection and Disposal Association (GRCDA), International Board Meeting, 12/8/78, Phoenix

Arizona Council of Engineering Science Associations, 4/21/84, Tucson

Keynote, Washington State Recycling Association AM, 4/25/85, Seattle

Center for Environmental Management, Tufts University, 4/19/88, Medford, MA

Keynote, National Recycling Coalition (NRC) Congress

- 9/28/88, St. Paul;
- 10/1/89, Charlotte (NC)

Keynote, International Conference on Urban Resource Management and Secondary Materials, 12/8/88, Philadelphia

Keynote, Vermont Recycling Association, 4/29/89, Mount Pelier

Media Briefing, Sponsored by the National Solid Waste Management Association (NSWMA) AM, 5/4/89, Chicago

International Public Works Association (IPWA) Congress/ Institute of Solid Waste (ISW) AM, 9/26/89, Orlando
Waste Management Inc., Management Seminar on Recycling, 9/27/89, Downers Grove, IL

Rocky Mountain Regional Recycling Convention, 4/8/90, Keystone, CO

GRDCA Landfill Gas Symposium, 3/27/90, Lincolnshire, IL

Keynote, Recycling Council of Ontario, 10/17/90, Windsor; 10/9/91, Toronto

Pennsylvania Recycling Conference, 4/11/90, Harrisburg

Washington State Recycling Association, Earth Day Speaker, 4/22/90, Spokane

Iowa Statewide Recycling Congress, Luncheon Address, 4/16/91, Des Moines

Solid Waste Recycling and Energy Conference, Keynote, 5/8/91, San Antonio

Recyclex '91, Keynote, 9/9/91, Melbourne, Australia

Solid Waste/Recycling Conference, 10/3/91, Philadelphia

ERRA (European Recovery and Recycling Association), 11/15/91, Brussels

Keynote, Ribbon Cutting Ceremony for the Sunnyvale (CA) SMART Facility, 8/11/93

Keynote, Texas A&M Recycling and Solid Waste Seminar, 11/5/93, College Station

Keynote, Restoration '93, 12/6/93, Boston

Minnesota Pollution Control Agency's 11th Annual Solid Waste Seminar, 2/23/94, St. Paul

Construction Specification Institute AM, 6/25/94, San Francisco

Keynote, Restoration '95, 12/11/95, San Francisco

Dinner Address, Tucson Clean & Beautiful's Annual Board of Directors Meeting, 1/30/96

CA Integrated Solid Waste Management Board Seminar on "Source Reduction," 6/4/96, San Francisco

Keynote, SWANA, Lone Star Chapter Annual conference, 6/22/96, El Paso

Lawrence Berkeley Laboratories, 2 Day Special Seminar, 9/29-30/96, Berkeley

South Dakota Solid Waste Management Association, 9/9/96, Sioux Falls

AZ Clean & Beautiful Annual Awards Workshop, 10/18/96, Phoenix

Keynote, Recycling and Composting Works! Conference, 3/17/99, Lindsborg (KS)

Keynote, North Dakota Solid Waste & Recycling Symposium, 9/8/99, Jamestown (ND)

Keynote, SWANA AM, 10/19/99, Reno

Keynote, AZ Recycling Coalition, 1st AM, 05/15/00, Phoenix

*** Packaging Trade Associations ***

Solid Waste Council, American Paper Inst., 8/1/78, 1/26/83, 6/8/83, 10/26/83, 2/28/84, Washington, D.C.
 Australian Packaging Industry Environmental Council, 4/18/78, Sydney
 API/NFPA Environmental Forum XV, 6/20/84, Washington, D. C.
 American Paper Inst., Tissue Division Seminar, 3/9/88, New York City
 Inst. of Food Service and Packaging, Conference on Solutions to the Solid Waste Crisis, 4/21/88, Washington, D. C.
 American Paper Inst., The Presidents' Seminar, 10/15/88, Dallas
 Society of the Plastics Industry, 2/27/89, New York City; 3/6/89, Chicago; 3/14/89, San Francisco; 3/20/89, Houston
 The Polystyrene Association, 4/27/89, Orlando
 Society of Plastics Industry AM, Canada, 5/29/90, Toronto
 West-Pack, 9/22/93, Los Angeles
 Flexographic Technical Association AM, 3/5/95, Orlando
 Keynote, Packaging Engineering Program AM (Clemson, Michigan State, and Duke), 98, Clemson (SC)

*** Archaeological & Historical Societies ***

El Instituto de Investigaciones Antropológicas de la UNAM, 11/15/74, Mexico City
 Arizona Archaeological and Historical Society, 10/21/75 and 10/20/86, Tucson
 Archaeological Institute of America Lecture Series, San Francisco Chapter, 2/22/76
 Historical Society of Madison, 10/10/78
 Historical Society of Milwaukee, 10/21/78
 UCLA Friends of Archaeology Lecture Series, Institute of Archaeology, 1/8/80, Los Angeles
 Banquet Address, Great Basin Anthropology Biennial Meeting, 10/5/84, Boise
 First Lecture in the S&H Lecture Series, "Toward an Archaeology of Contemporary America," Brown University, 10/26/84, Providence
 Middle American Research Institute, Tulane, 9/25/86, New Orleans
 Keynote, 50th Anniversary of the Southeastern Archaeological Conference, 10/10/89, Tampa
 UA Anthropology Lecture Series, 11/29/89, Tucson
 Keynote, Society for California Archaeology AM, 4/6/90, Foster City (CA)
 Banquet Address, The Chacmool Conference, 11/9/91, Calgary
 Public Address, The SHA Conference on Historical and Underwater Archaeology, 1/4/94, Vancouver
 Roundtable, Office of the Iowa State Archaeologist, 3/31/94, Iowa City
 "Archaeology Week" Talk, Cabrillo College, 5/10/96, Santa Cruz (CA)
 Arizona Archaeological Council AM, 10/8/99, Tucson

*** Educational Institutions ***

Universities, Museums, and Associated Groups

Illinois Council for the Humanities, Southern Illinois University, 10/26/76, Carbondale
 Membership Lecture, Australian Museum Society, 4/18/78, Sydney
 NEH Lecture Series, Woods Public Library, 5/24/78, and Columbus Public Library, 5/25/78, Tucson
 Sonoran Heritage for Children Lecture Series, 7/14/79, Tucson
 Tucson Public Library's Great Escapes Program (3 lectures), July 1980, Tucson
 University of Arizona Speakers Board Public Lecture, 11/8/83, Tucson Banquet, UofA Foundation, 10/9/84
 U.C. Berkeley Anthropology Undergraduate Association's Lecture to the Public, 12/7/84, Berkeley
 Parents' Weekend "Special Lecture," UofA, 11/19/85
 Honors Convocation Address, Faculty of Social and Behavioral Sciences, UofA, 11/9/85, Tucson
 Banquet, UofA President's Club of Phoenix, 1/8/86, Phoenix
 Convocation Address, Southern Utah State College, 3/13/86, Cedar City
 The Smithsonian's Conference on "NIMBY and Solid Waste," 9/22/89, Washington, D. C. (Televised on C-SPAN)

UofA President's Club Distinguished Lecture, 4/30/90, Tucson
 "Insuring Tomorrow" Conference, National Student Leadership Network, 3/9/91, Scottsdale
 Banquet, Northwest Science Association, 3/21/91, Boise
 College Lecture Series, St. Mary's College, 4/11/91, Maryland
 Regional Sigma Xi, Banquet Address, 5/16/91, Benton Harbor, MI
 "Help Save Our Environment," SAFES (Students Are for Environmental Safety) with Desert Springs Elementary School, 5/23/91, Scottsdale
 Santa Barbara Natural History Museum, 75th Anniversary Lecture Series, 10/17/91, Santa Barbara
 "Science, Ethics & the Environment" Lecture Series, 7/21/93, Cal State, Fullerton (CA)
 Public Lecture, University of Nebraska, 2/10/94
 Distinguished Lecture, University of Northern Iowa, 3/9/94, Cedar Falls
 "Science in Our Lives" Series, Kentucky Humanities Council, 4/19/94, Lexington (KY)
 Special Lecture, NSCORT (NASA Specialized Center of Research & Training Biogenerative Life Support) and the Landscape Architecture Department, Purdue University, 3/21/95, West Lafayette (IN)
 Keynote, "1995 Plastics, Packaging, & Recycling Symposium," Cal Poly, 4/13/95, San Luis Obispo
 Public Lecture, Wichita State University, 3/15/99, Wichita (KS)
 Keynote, Earth Day/Charter Day Celebration, North Lake College, 4/6/99, Irving (TX)
 Keynote, Earth Day, Albright College, 4/22/99, Reading (PA)

*** University Department Lecture Series ***

Anthropology, University of Utah, 4/14/77, Salt Lake City
 Anthropology, University of Wisconsin, Milwaukee, 1/18/78
 Marketing, Marquette University, 10/3/78, Milwaukee
 Anthropology, University of Southern California, Los Angeles, 1/9/80 and 4/21/81
 Psychology, UofA, 4/16/81, Tucson
 Anthropology, University of California, Santa Barbara, 2/18/83
 Anthropology, Florida State University, 10/29/84, Tallahassee
 Pathology, Arizona Health Sciences Center, 11/21/85, Tucson
 Nutritional Sciences, University of California, Berkeley, 5/6/86, Berkeley
 Foods and Nutrition/Sociology and Anthropology, Purdue University, 6/8/88, West Lafayette (IN)
 Microbiology, UofA, 8/20/88, Tucson
 Anthropology, University of Kansas, 3/29/90, Lawrence (KS)
 Anthropology & Environmental Sciences, University of Nebraska, 2/10/94, Lincoln (NE)
 Geology, University of Nebraska, 2/11/94, Lincoln (NE)
 Anthropology, University of Iowa, 3/30/94, Iowa City (IA)
 CRAFT Research Institute & Anthropology, Indiana University, 3/20/95, Bloomington (IN)
 Departments of Horticulture and Anthropology & NSCORT (NASA Specialized Center of Research and Training in Biogenerative Life Support), Purdue, 2/31/95, West Lafayette (IN)
 Anthropology Students Annual Lecture, Southern Methodist University, 4/22/95, Dallas
 Intro Anthro Class (of J. Hubbit-Mosh), UCSC, 5/8/96, Santa Cruz (CA)
 Address to Anthro students (of R. Mendoza), CSUMB (CA State University at Monterey Bay, 5/9/96, Monterey (CA)
 Roundtable Workshop with Archaeology Teachers in the Santa Cruz area, 5/11/96, Santa Cruz (CA)

*** Public Educational & Advocacy Groups ***

Middle School Teachers Workshops (FPA)

Keynote, In-Service Environmental Education Conference for High School Teachers and Students, sponsored by SCRAP, DuPage County, IL, 3/4/94, Lombard (IL)
 FPA Seminar, Washington, D.C., 10/9/93
 FPA Seminar, Charlotte, NC, 4/16/94
 Lexington Public Library Lecture for Middle School Students, 4/20/94, Lexington (KY)
 FPA Seminar, Dallas, TX, 8/5/94
 FPA Seminar, Minneapolis/St. Paul, MN, 9/31/94

FPA Seminar, Seattle, WA, 10/14/94
 Department of Nutritional Sciences In-Service Conference, UofA, 11/9/94, Tucson
 FPA Seminar, Chicago, IL, 12/3/94
 FPA Seminar, Atlanta, GA, 2/11/95
 - 11/22/97
 FPA Seminar, San Francisco, CA, 4/29/95
 FPA Seminar, Boston, MA, 9/30/95
 FPA Seminar, Houston, TX, 2/24/96
 FPA Seminar, Philadelphia, PA, 4/20/96
 • 12/6/97
 FPA Seminar, Orange County, CA, 7/19/96
 FPA Seminar, Cincinnati, OH, 10/25/96
 FPA Seminar, Cleveland, OH, 12/7/96
 FPA Seminar, Detroit, MI, 4/12/97
 FPA Seminar, San Diego, CA, 7/25/97
 FPA Seminar, Minneapolis-St. Paul, MN, 9/25/97
 FPA Seminar, St. Louis, MO, 10/31/97
 FPA Seminar, San Diego, CA, 98
 FPA Seminar, Winston-Salem, NC, 98
 FPA Seminar, San Francisco, CA, 98
 Keynote, Madison County Teacher's Institute, 3/12/99, Edwardsville, IL

*** Environmental Concern Groups ***

Connecticut Council for the Environment, 11/6/88, Washington, D.C.
 Keynote, Keep America Beautiful AM
 • 12/6/88, Washington, D.C.
 • 12/7/89, Washington, D.C.
 Tucson Clean and Beautiful, 2/12/89, Tucson
 Georgia Conservancy, 1/28/89, Pine Mountain (GA); 1/18/95, Atlanta
 National Council of the Federated Garden Clubs of America, AM, 9/8/89, Portland
 National Audubon Society Biennial Meeting, 9/14/89, Tucson
 Northern Arizona Audubon Society, 1/17/90, Sedona (AZ)
 Keynote, Earth Day, University of Colorado, 4/20/90, Boulder
 City of Seattle Earth Day, 4/21/90, Seattle
 Keynote, Green Seal Annual Board Meeting, 3/25/91, Washington, D.C.
 Earth Day Kickoff Speaker, Keep America Beautiful, 4/1/91, Phoenix
 Featured Speaker (sponsored by *Garbage* magazine), EcoExpo, 4/13/91, Los Angeles
 Atlanta Garden Club, 4/17/91, Atlanta
 The Arizona-Sonora Desert Museum, Docents' Night Featured Speaker, 4/23/91, Tucson
 Rotary Clubs of Central Ohio, Environment and Ecology Seminar, 5/17/91, Columbus
 Arizona State University Environmental Club, 10/25/91, Tempe
 Conservation Foundation of DuPage County Public Lecture, 3/3/94, Wheaton (IL)
 Cincinnati YPO, 3/15/94, Cincinnati
 Georgia Conservancy "Earth Forum," 1/19/95, Atlanta
 Talk to open the "Disposable Island" Exhibit in Banco Popular s Headquarters Building, 1/25/96, San Juan,
 Puerto Rico
 Gildea Conservation Center, 10/25/99, Santa Barbara (CA)

*** Household Resource Management Groups ***

Keynote, Energy Symposium, California Home Economics Association, 11/5/77, San Diego
 Keynote, "Homemaker's College," New Mexico State University, 1/18/80, Las Cruces
 Keynote, Purdue University's Home and Family Conference, 6/9/88, West Lafayette

* **Media Organizations** *

Banquet, Arizona Press Women, 3/15/75, Tucson
 Banquet, Arizona Agriculture Press Club, 10/16/84, Phoenix
 Senior Editorial Staff, **National Geographic** Magazine, 7/7/87, Washington, D.C.
National Geographic Annual Staff Seminar Lecture, 9/18/87, Washington, D.C.
 Banquet Address, National Press Women's Executive Board AM, 10/1/87, Tucson
 American Newspaper Publishers Association Conference, 6/18/90, Las Vegas
 PERC (Political Economy Research Center), National Conference for Journalists, 12/13/91, Boseman
 FACs (Foundation for American Communications), National Conference for Journalists on Garbage, Chicago,
 9/24/94

* **Private Corporations** *

3 M, 2/21/94, St. Paul; 3 Lecture Series, 9/20-22/99, St. Paul
 ADR International (Japanese Market Research Firm), 5/31/77, Tucson
 American Can, 5/15/75, Greenwich; American National Can, 6/15/90, Newark; 10/24/91, San Francisco
 ARCO, 3/29/89, Philadelphia
 Arizona Society of Association Executives, 10/11/91, Scottsdale
 Associated Merchandising Corporation, Store Principals' AM, /90
 Beacon Research, 4/20/78, Sydney, Australia
 Campbell Soup, 1/14/74, Camden, NJ
 Coca Cola, 4/17/91, Atlanta
 Container Corporation of America, 6/28/83, Carol Stream, IL
 Continental Baking, Annual Management Retreat, 10/30/86, Lake of the Ozarks
 CRYOVAC AM, Keynote, 4/10/87, West Palm Beach
 Electronic Industries Association, Environmental Issues Council, 11/14/91, Tucson
 First Analysis, 6/6/90, Chicago
 Flexible Technical Association AM, 3/5/95, Orlando
 Frito-Lay, 6/6/75, Tucson
 General Mills, 6/27/74, 4/26/88, Minneapolis
 Heinz, 8/24/86, Pittsburgh
 Huntsman Chemical, 1/23/90; 1/29/91, 1/31/94, Salt Lake City
 James River, Annual Packaging Seminar, 10/9/86, Appleton (WI)
 K-Mart, 12/3/88, Detroit; 6/23/89, Detroit
 Kellogg, Worldwide Quality and Environment Conference, 8/30-9/4/92, Battle Creek
 Leo Burnett, 6/28/83, Chicago
 Lucky, 3/9/89, Los Angeles
 M&M Mars, International AM, 6/25/91, Toronto
 McDonald's, 2/15/87, Oakbrook; 3/10/89, Oakbrook; 4/25/89, Washington, D.C.
 Mobil Seminar for Supermarket Managers--7/27/88, Atlanta; 7/28/88, Dallas; 8/2/88, New York City; 8/3/88,
 Chicago; 8/4/88, San Francisco
 Motorola, Headquarters Seminar on Recycling, 10/8/92, Chicago
 Oscar Meyer, 7/22/86, Madison
 Owens-Illinois, International AM, 10/16/91, Scottsdale
 PCL, 3/1/90
 PepsiCo, Top-of-the-Top, 12/8/90, Carefree, AZ; Top-to-Top, 6/7/91, Sardinia, Italy
 Pillsbury's "Understanding the Consumer" Lecture Series, 6/11/87, Minneapolis; Pillsbury, 9/29/88
 Procter and Gamble, 6/20/75, Tucson; 6/13/88, Cincinnati
 Rubbermaid Annual Meeting, 3/15/91, Orlando
 S. C. Johnson Wax, R, D & E Symposium, 5/15/90, Racine
 Sonoco Ergonomics, and Front-End Productivity Seminar, 11/11/88, Hartsville, SC
 The Cargill Feedlot Seminar, 3/14/85, Grand Island, NE
 UNIGRO (SPAR) AM, 5/25/92, Amsterdam, Holland
 Unilever, 8/7/78, London

Vitamin Information Center and Hoffman-LaRoche, 11/26/86, Halifax, Nova Scotia
 Von's, 1/30/90, 9/19/90, 12/27/90, Los Angeles
 Weyerhaeuser's "Recovery in the New Millennium" Conference, 1/12/00, Las Vegas

*** Other GP Addresses ***

National Association of Social Workers, Southern Arizona Chapter, Annual Awards Dinner, 3/21/84, Tucson
 Young Presidents' Organization, Heard Museum, Christmas Banquet, 12/13/84, Phoenix
 National Recycling Coalition (NRC) Congress, Master of Ceremonies, Awards Banquet, 9/28/88, St. Paul

*** DESIGN OF MUSEUM EXHIBITS & PUBLIC DISPLAYS ***

"Expo Basura" was a public museum based on Garbage Project results and funded by the Government of Mexico. It opened in Chapultepec Park, Mexico City. During its three month run (February through April, 1985), 1.5 million people walked through it one tenth of the population of the world's largest city.

The Centennial Caravan: The Garbage Project designed an exhibit for the UA Centennial Trailer which toured Arizona in 1985.

The Park Mall Tucson Exhibit: The Garbage Project designed an exhibit in cooperation with SAWARA (Southern Arizona Water Resources Association) on household refuse analysis and hazardous wastes in household refuse which was on display in Park Mall in April, 1986.

Chicago Museum of Science and Industry's permanent exhibit on Managing Urban Wastes" includes a continuously playing videotape segment featuring the Garbage Project. The exhibit opened October 1986.

"Science in American Life," at the Smithsonian National Museum of American History, is a permanent exhibit which includes "Our Garbage Dilemma," a 30 minute interactive-video which is hosted by WLR. The exhibit opened April 1994.

"The Rotten Truth about Our Trash" from the Smithsonian Museum's SITES Program for travelling exhibits. WLR served as a design and content consultant. In preparation, 1993-1995. See < <http://www.astc.org/onfo/exhibits/rotten/rtmain2.htm> >

Luncheon Talk, San Bernadino County Museum, 1/21/93

Keynote, "Rising Above Our Garbage" Conference, Sponsored by The Exploratorium, 1/30/95, San Francisco.

Consultant to the **Strong Museum, Rochester, NY**, on an exhibit on garbage and the environment, 1994-1996.

Consultant to a exhibit design firm for a garbage exhibit in a **Phoenix transfer station**, 1995-1996.

"Disposable Island," an exhibit in Banco Popular's Headquarters in San Juan, Puerto Rico, which includes a video of a solid waste talk by WLR and video of his tour of the bank's exhibit on 1/25/96.

MEDIA

**TV Talk Shows
National**

Today (NBC)--3/25/77; 5/5/92

The Phil Donahue Show (syndicated)--10/77

Kids Are People Too (ABC)--9/23/79

The Mike Douglas Show (syndicated)--7/16/81

Good Morning America (ABC)--9/3/81;

- **Erma Bombeck's** Segment--1/13/86; 12/12/89

Country Day (ABC-syndicated)--9/22/81

Bill Moyers Series on Creativity (PBS)--4/2/82

Sonya (NBC, USA Cable Network)--6/8/82

- **Sonya** (CNN), 10/9/92

"Trash" Special (PBS), 10/23/85; rebroadcast September 1986

(Jeopardy), syndicated, used "Garbology" on 2/18/86)

Mr. Wizard (syndicated), September 1987

TechnoPolitics (PBS), 7/31/92

CBS This Morning (CBS), 8/31/92

Breakfast Time (fx), 2/20/96

*** Local TV Talk Shows ***

- Baltimore:** People Are Talking, WJZ (ABC), 8/7/81
- Boston:** People are Talking, WBZ (NBC), 8/4/81
New England Today WLVI, 8/5/81
Boston Live, WQTV, 8/5/81
- Chicago:** "Night Time Starring Tom Dreesen," WLS TV (ABC), 3/22/88
- Cleveland:** Morning Exchange, (ABC), 5/19/80
- Columbus:** Discover Columbus, WTUN (ABC), 9/20/81
PM Magazine, WCMH (NBC), 11/3/88
- Denver:** Good Afternoon Colorado, KUSA (ABC), 7/7/92
- Detroit:** Morning Report, WGPR, 6/7/82
PM Magazine, WJBK (CBC), 6/8/82
- Ft. Worth/Dallas:** ABC with Mary Steward, 7/28/95
- Miami:** AM Miami (ABC), 3/14/75
- Minneapolis/St. Paul:** Good Company, KSTP (ABC), 9/22/81
What's New, WTCN (NBC), 9/23/81
- Philadelphia:** Prime Time, WPIV (ABC), 10/12/81
Evening Magazine, KYW (NBC), 10/13/81
"Trash," WHYY (PBS), 7/3/85
- Phoenix:** Open House, KPHO, 1/15/76
- Portland:** A.M. Portland KATU(ABC), 4/27/93
- Richmond/Norfolk:** Midday, WWBT (NBC), 10/14/81
Tidewater Evening, WVEC (ABC), 10/14/81
Morning Magazine, WVEC (ABC), 10/15/81
- Sacramento:** TV Lite, KCRA (NBC), 3/27/87
- San Diego:** Sun Up (CBS), 11/17/77
- San Francisco/Oakland:** People Are Talking, KPIX (CBS), 9/16/81
Live on 4, KRON (NBC), 9/16/81
Mornings on Two, KTVU (Fox), 7/8/92
- Seattle:** Northwest Today, KING (NBC), 9/14/81
Evening Edition, KCTS (PBS), 9/15/81
Upfront, KOMO (ABC), 9/22/81
P.M. Northwest, KOMO (ABC), 9/22/81
- St. Louis:** Midday-AM, KSDK (NBC), 11/18/81
- Tucson:** Tucson Today, KOLD (CBS)--1/9/74, 5/8/74
Mosaic, KUAT (PBS), 2/25/74
Multiversity, KVOA (NBC), 9/29/74
P.M. Magazine, KGUN (ABC), 10/9/80
Arizona Alumni Forum, KGUN (ABC), 2/9/86
Newsmakers, KMSB, 4/13/86
Topics of Tucson, KGUN (ABC), 3/26/89
- Washington, D. C.:** Good Morning, Washington, WJLA (ABC), 8/6/81

*** TV Talk Shows in Other Countries ***

- Australia:** Mike Walsh Show (ABC), Sydney, 8/19/77
Horizon 5 (ABC), Canberra, 8/22/77
Contact (ABC), Canberra, 8/22/77
Good Morning Sydney (Ch. 10), Sydney, 4/14/78
- Canada:** 90 Minutes Live (CBC), 4/27/77
Wonderstruck (CBC), 10/8/86
- Mexico:** Channel 7 (Instituto Mexicano de Television) "Principia," 2/24/85
- West Germany:** FAZIT, Frankfurter Allgemeine Zeitung (A. Punzel), 10/17/85
- England:** Themes International, 5/22/85
- Spain:** Not entered

Argentina: Not entered

Brazil: Not entered

*** MEDIA: TV News Interviews ***
National

Time-Life News (syndicated)--6/6/76

NBC Nightly News (John Chancellor)--1/23/75, 10/10/77

The Today Show News (NBC)--1/24/75, 10/11/77

McNeil/Lehrer Report (PBS)--12/16/78

CNN Headline News (CNN)--8/6/81, 4/10/87, 4/11/87, 7/10/87, 10/8/89, 3/19/90

ABC Evening News (Peter Jennings)--8/1/89

The Reporters (Fox)--11/18/89

Nightwatch (CBS)--1/3/90

Saturday Night with Connie Chung (CBS)--1/6/90

Smithsonian's "NIMBY" Symposium (C-SPAN)--9/22/89

Testimony before Senator A. Gore's Commerce Committee (C-SPAN)--7/1/90

C-SPAN Call-In Interview--8/27/90

"Race to Save the Planet with Meryl Streep" (PBS)--10/10/90

Infinite Voyage, "A Taste of Health" (PBS)--4/17/91

Watch on Washington (syndicated on PBS and cable channels), 5/1-22/91

Fox TV News (FOX)--9/1/92

Science of the Week (CNN)--9/23-27/92

ABC World News Weekend (ABC)--5/1/93

The Next Step with Charles Fleischer (DSC--Discovery)--1/17, 20/96

Modern Marvels: Garbage (HIS/History Channel)--xx/xx/99

"Brainstorm: Trash & Recycling"

*** Local TV News Interviews ***

Amarillo: KAMR (NBC), 10/2/85

Baltimore: WJZ (ABC), 8/7/81

Birmingham: Midday News, WVTM(NBC), 4/28/93

Boise: KIVI (NBC), 4/26/85

Boston: WBZ (NBC), 8/4/81

Boston Common, WHDH, 5/13/93

Chicago: WBBM (CBS), Newsmaker Interview with Bill Kurtis, 10/10/90

Dallas: KDFW (CBS), 3/5/94

Columbus: WBNC (CBS), 9/20/81

WTVN (ABC), 9/20/81

WCMH (NBC), 9/20/81

Denver: KOA (NBC), 10/18/81

KMGH (CBS), 10/18/81; Crossroads, 8/14/89

KBTV (ABC), 10/19/81; 4/20/90

KCNC (NBC), 8/25/85

Detroit: WKBK (CBS), 6/7/82

WGPR, 6/7/82

Houston: KHOU (Ch.11), 2/24/96

Jacksonville: WJCT (NBC), 2/17/94

Kansas City: KMBC (ABC), 11/16/81

WDAF (NBC), 11/16/81; Midday Show, 5/18/93

KCNMO (CMS), 11/17/81

Los Angeles: KTTV, 6/7/76

Morning News, KTLA(Ch.5), 6/5/93

KNXR(CBS), 5/6/93

Milwaukee: WTMS (NBC), 3/18/81

Minneapolis/St. Paul: WCCO (CBS), 9/22/81

New Orleans: Eyewitness News Morning, WWL (CBS), 4/29/93

Philadelphia: KYW (NBC), 10/31/81

Portland: KGW (Ch.8), 4/27/93

Richmond/Norfolk: WTVR (CBS), 10/14/77

St. Louis: KSDK (NBC), 11/18/81

KMOX (CBS), 11/19/81

Salt Lake City: *Zinj*, No. 4 on "garbage," 2/7/95

Seattle: KING TV5, 4/21/90

Tucson: KZAZ--2/1/74, 9/22/75, 3/17/81

News Special, KZAZ, 2/20/75

KGUN (ABC)--10/2/74, 10/9/74, 9/22/75, 7/6/84, 3/16/89

KVOA (NBC)--11/28/74, 10/15/75, 3/17/81, 12/28/82, 7/6/84, 5/3/96

KOLD (CBS)--7/6/78, 3/11/81, 3/18/81

"Arizona Illustrated," KUAT (PBS)--7/30/87, 10/9/87, 8/16/89

Washington, D. C.: News Special, WJLA (ABC), 10/17/88

Fox Morning News, WTTG (Fox), 7/14/92

*** TV News Interviews in Other Countries ***

Canada: "W5," C-TV (Canadian TV) 4/4/76

CKCO, 10/6/87, Toronto

KMXI, 11/27/87, Halifax

CBC News Magazine, 10/7/91, Toronto

Japan: TBS (Tokyo Broadcasting System), 7/30/92

Buenos Aires: not yet entered

Germany: Welt de Wunder: Müllarchäologie, NISC, 12/14/99

*** Movies, Videos, Etc. ***

"Le Projet du Garbage," produced by Marshall Winn

"The University of Arizona Story," produced by Stan Bloch, shown on KTVK (ABC), Phoenix, January 29, 1974

"Trash Tells a Tale," slide-tape program, produced by Cornell University

"Expo Basura," a twelve-minute segment for Arizona Illustrated, KUAT (PBS), Written by WLR and Co-

Produced by H. Gonzales and WLR

"Rubbish," produced by Sam Ball, Stanford University

"Time Capsules: Message in a Bottle," produced by Cathleen O'Connel, Bigfoot Films.

*** Newspaper Interviews ***

Associated Press (AP)--5/19/88; 12/9/88; 8/18/1989

Atlanta Journal/Constitution--2/16/95

Arizona Daily Star--2/1/74; 3/11/76; 2/10/85; 6/23/85; 4/26/86; 5/5/86; 10/10/90; 7/5/92

Arizona Republic--3/18/81, 2/17/85, 2/4/88, 7/21/88, 7/25/88; 7/4/99

Arizona Republic Sunday Magazine--6/16/74; 1/16/83

Baltimore Sun Sunday Magazine--8/18/85; 5/5/88; 9/30/92

Boston Globe--10/24/74; 8/10/81; 6/7/92; 7/12/92; 5/12/93

Chicago Daily News--4/30/74; 10/23/74

Chicago Sun-Times--3/14/77; 5/8/89; 6/28/92

Chicago Tribune--2/22/88; 10/15/89; 6/28/92; 4/19/93; 3/1/94; 3/13/94; 12/4/94;

Christian Science Monitor, 6/7/74

Cincinnati Enquirer, 10/25/96

Cleveland Plain Dealer Sunday Magazine--6/12/83; 8/16/92

Columbus Dispatch, 11/4/88

Dallas Morning News--8/5/94; 8/25/94; 7/21/95

Dallas Times Herald, 4/10/85

Denver Post--8/23-24/80; 6/16/85; 8/19/85; 1/11/86; 4/14/86; 1/21/90

Detroit Free Press, 8/14/81

Ft. Worth Star-Telegram, 7/10/95
Gannett News Service, 4/1/94
Houston Chronicle, 4/27/86
Kansas City Times, 1/29/90
Knight-Ridder News, 3/90
Los Angeles Times--7/15/75; 2/20/86; 1/12/88; 6/28/92; 5/6/93
Los Angeles Daily News, 7/16/85
Miami Herald, 10/12/92
National Observer, 12/20/75
New York Daily News, 10/6/89
New York Times--3/6/76; 10/5/89; 6/28/92; 7/5/92; 7/9/92; 7/31/92; 8/22/92; 8/13/92; 6/28/96;
Orlando Sentinel, 1/14/88
Portland Oregonian Sunday Magazine (Northwest), 10/23/88
Richmond Times-Dispatch, 6/23/92
San Jose Mercury News--3/23/89; 8/18/93
San Francisco Chronicle--4/17/88; 7/17/89; 7/24/92
San Francisco Examiner--1/17/75; 6/24/87
St. Louis Sun, 4/12/90
St. Paul Pioneer Press--1/5/90; 1/18/90
Times Picayune, 5/21/00
Tucson Daily Citizen--2/5/74; 3/21/84; 7/14/84; 2/9/85; 6/17/85; 3/19/86; 4/27/87; 10/10/90; 9/24/92
United Press International (UPI)--11/10/74; 6/18/80
USA-Today--1/15/86; 1/24/86; 8/13/92; 4/22/93; 4/24/93
Wall Street Journal--12/5/75; 9/2/80; 9/4/86; 12/11/86; 4/17/90; 8/8/91; 7/16/92; 1/19/95
Washington Post--11/11/81; 1/7/82; 9/20/88; 11/27/89; 12/5/89; 12/7/89; 7/6/90; 6/29/92; 2/7/99

* Newspapers Interviews in Other Countries *

Australia: Sydney Sun-Herald, 4/9/78; **The Melbourne Age**, 9/6/91; **The Australian**, 9/6/91
Canada: Australian Information Service, 4/15/78; **Calgary Herald**, 2/27/92; **Canadian Press (CP)**, 4/90;
Kingston Standard (Ontario), 2/27/92; **Toronto Globe & Mail**--5/7/87; 5/30/90; **Toronto Star**, 1/25/90
England: Financial Times, 2/12/92; **International Herald Tribune**, 8/15/92; **London Observer** Sunday Magazine **Life**, 3/21/94
Mexico City: La Jornada--1/12/85; 1/15/85; 7/31/85; **El Universal / La Prensa / Excelsior / Metropoli / Novedades / Uno Mas Uno**, 1/15/85; **El Nacional**, 1/15/85; 1/16/85 (political cartoon)
Spain: Alerta (Santander)--10/29/92; 10/30/92; 11/3/92; **El Mundo** (Madrid), 11/1/92; **El Diario** (Santander), 11/2/92; **El Pais** (Madrid), 11/3/92; **Diario** (Madrid), 1/7/94
Argentina: not yet entered
Brazil: not yet entered

* Magazine Interviews, Articles & Reports *

321 Contact, 10/91
ADWEEK, 10/25/85
The Courier, (UNESCO's Magazine), 7/85
American Way (American Airlines In-Flight Magazine), 4/1/92
Anthropology Newsletter, 3/81
Audobon, 3/90
Better Homes and Gardens, 5/86
Buzzworm: The Environmental Journal, 1-2/90
Chronicle of Higher Education (cover story), 7/7/92
Der Spiegel, 4/27/92; 5/25/92
Discover, 4/90
The Economist, 4/13/91, 5/29/93
Family Circle, 6/28/88

Forbes, 10/28/85
Fortune, 8/28/88
Harpers, 3/75
Ladies Home Journal, 12/75
Life: Special Issue, "Today's Youth", Fall 1977
Special Issue, "The Year in Pictures 1985," 12/85
McCalls, 12/15/75
Money, 2/75
Mosaic (the NSF Magazine), January-February 1979
My Weekly Reader, 2/23/77, 10/21/80, 2/19/94
Muse, 2/94
National Academy of Sciences Magazine, 3/10/88
National Geographic, 4/83, 5/91
National Wildlife Magazine, 8-9/88
Newsweek, 12/28/87; 11/27/89
Nickelodeon, Fall '93
Omni, 5/82
First edition of **Omni** on the web, 7/97 <omnimag.com:80/o07jul/dumps 1.html>
Parade (syndicated Sunday Magazine)--9/12/76; 9/9,79; 5/18/80; 6/14/87; 6/13/99
People, 11/22/76
Plastics News, Profile, 3/3/99
Popular Science, 10/90
Psychology Today, 5/74; 5/88
Recycling Times, 11/7/89
Science 81, 5/81
Science News, 10/6/90
Sierra, 7-8/88
Solid Waste: Public Works Pro-Views, 10/88
Solid Waste and Power, 4/90
Time, 1/26/76; 9/5/88; 9/14/92
Tucson Lifestyle, 4/88
Tucson Magazine--9/75; 2-3/85; 4/87
Tucson Weekly ("Best of Tucson" issue), 9/10/92
U.S. News and World Report, 5/11/87; 6/1/87; 6/29/92
Women's Day, 3/8/77