

# CRESP Scholarly Products 1995-2000

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- 45 Burger, J. 1996. Role of long-term studies in future land use at DOE sites. Workshop on Long-term Avian Studies at SRS. US Forestry Service, November 7-8.
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- 48 Burger, J. 1997. Endpoints for ecological risk assessment. Risk and Environmental Management SRS Conference. September 10-11.
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- 51 Burger, J., K. K. Pflugh, J. Sanchez, L. Lurig, L. VonHagen and S. VonHagen. 1997. Mercury exposure in urban fishermen: Ethnicity affects information on sources, perceptions and compliance. International Conference on Human Health Effects of Mercury Exposure. Torshavn, Faroe Islands, June.
- 52 Burger, J., M. Gochfeld, R. Kennamer and I. L. Brisbin, Jr. 1997. Metal and cesium levels in Mourning Doves from South Carolina: A risk assessment for hunters. Society for Risk Analysis. Washington, DC, December 7-10.
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- 54 Burger, J., M. Gochfeld, R. Kennamer and I. L. Brisbin, Jr. 1997. Metal levels in Mourning Doves from South Carolina. Cooper Society. Hawaii, May.
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- 87 Burger, J., P. Georgopoulos, D. Kosson, P.Lioy and C.W. Powers. 2000. A summary of selected CRESP activities related to stewardship issues. Environmental Restoration Technology End User Conference. Augusta, Georgia, June. (CD-ROM)
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- 89 Burger, J. 2000. Science for Ecological risk, food chains and regulation. Environmental Restoration Technology End User Conference. Augusta, Georgia, June 6-8.
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- 91 Cooper, K. 1996. Ecological risk paradigms. American College of Toxicology. Philadelphia, PA.
- 92 Cooper, K., A. Skiadas, A. Roy, P.G. Georgopoulos, L. McGrath, and J. Burger. 1998. Evaluation of binary chemical mixtures on early life stages of freshwater fish. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 93 Cooper, K., A. Skiadas, J. Burger, A. Roy, and P.G. Georgopoulos. 1998. Modification of an integrated food web model coupled to macro-and microenvironmental transport and fate models: Application to pond b, Savannah River Site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 94 CRESP. 1995. Risk assessment and management process. University of Washington, School of Business, Environmental Management Program. Seattle, WA.
- 95 CRESP. 1997. Outreach/Remediation Task Groups meeting with Technical Staff of EPA and the Washington Department of Ecology regarding remediation issues and public health risks work. CRESP. Seattle, WA, April 18.

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- 97 Curtis, S.B., S.M. Bartell, E.M. Faustman, and W.C. Griffith. 1998. An index of harm for exposure to a combination of radiation and chemical pollutants. Society for Risk Analysis Annual Meeting, Phoenix, AZ. December 6-9.
- 98 Dey, P.M., J. Burger, M. Gochfeld, M. A. Polunas, and K. R. Reuhl. 1998. Developmental lead exposure alters expression of neural cell adhesion molecules in Herring Gull brains. Society of Toxicology. March.
- 99 Drew, C., K. McCarthy, T.L. Nyerges and A. Smith. 1998. CRESP risk information project: Ongoing collaboration between IEHR and DCAS-UW, Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 100 Drew, D.H., and T.L. Nyerges. 1998. Developing a theoretical framework for collaborative risk evaluation using Geographic Information Systems. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 101 Drew, C., and T. Nyerges. 1998. Developing a theoretical framework for collaborative risk evaluation using GIS. Poster. Second Annual Health of the Hanford Site Conference, Richland, WA. November 3-4.
- 102 Drew, C. 1998. Interactive computer demonstration: A space-time trajectory of 100-k area workers. Hanford Health of the Site. Second Annual Conference, Round One – Panel Discussions: Occupational Health, Richland, WA. November 3.v
- 103 Drew, C. 1998. The Hanford Cleanup: Using GIS for Risk Assessment and Decisionmaking. Seattle Central Community College, November 20.
- 104 Drew, C., N. Hedley, E. Arfin, and A. Lee. 1999. Risk and GIS: A space-time trajectory of Hanford workers. American Association of Geographers Annual Meeting, Honolulu, HI. March 27.
- 105 Ellickson, K.M., M.A. Gallo, R.J. Meeker, B.T. Buckley, and P.J. Liroy 1999. The bioavailability of heavy metals and radionuclides from contaminated soils using in vitro and in vivo approaches.. Annual Society of Environmental Toxicology and Chemistry
- 106 Ellickson, K.M., M.A. Gallo, R.J. Meeker, B.T. Buckley, and P.J. Liroy 1999. The bioavailability of heavy metals and radionuclides from contaminated soils using in vitro and invivo approaches. Poster. ISEE/ISEA Joint Conference
- 107 Erdal, S. 1998. Derivation of risk-based cleanup levels for noncarcinogens: Science and policy considerations. Environmental and Occupational Health Sciences Institute, Piscataway, NJ.
- 108 Ertell, K. 1997. The Hanford Occupational Health Process: The Development of an Integrated Health Surveillance, Worker Training and Hazard Identification and Prevention Program - Three Papers. First Annual Health of the Hanford Site Conference: Current Challenges, Round Three: Occupational Health Presentation. Richland, WA, December 4.

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- 109 Ertell, K., S. Barnhart, T. Takaro, and K. Durand. 1998. Challenges and opportunities in delivering medical surveillance to former workers at US DOE nuclear sites. American Industrial Hygiene Conference. AIHA and ACGIH. Session on Occupational Medicine. Atlanta, GA, May 11.
- 110 Ertell, K., S. Barnhart, , T. Takaro, and K. Durand. 1998. Determining the need for medical surveillance among former workers at a US DOE site: Methods and results. American Industrial Hygiene Conference. American Conference of Governmental Industrial Hygienists and the American Industrial Hygiene Association. Session on Occupational Medicine. Atlanta, GA, May 11.
- 111 Ewers T.G., T.K. Takaro, K.B. Ertell, K. McCarthy, J. Moore, S.M. Bartell, R. Ponce, E. Faustman, W. Griffith, M Salzar, and S. Barnhart. 1998. Improving the quality of health risk information provided in the budget process of the department of energy environmental management program. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 112 Farr, C., E. Faustman, G. Van Belle, T. Kavanagh, R. Ponce, C. G. Lord, J. Burger, M. Gochfeld, and I. Lehr Brisbin 1998. Gene expression as a biomarker of mercury exposure in raccoons from the savannah river nuclear weapons facility. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 113 Faustman E.M., S.M. Bartell, R.C. Lee, T.J. Kavanagh, T.K. Takaro, and R.A. Ponce. 1997. Evaluation of biomarkers for use in risk assessment and decision-making: Application of value-of-information analyses. Poster. Conference on Scientific and Engineering Challenges in Remediation of Contaminated Soil and Groundwater, Seattle, WA. May.
- 114 Faustman, E.M., G. van Belle, T.G. Ewers, J.A. Moore, C. Powers, M. Greenberg, and G.S. Omenn. 1995. Comparison of DOE's recently developed risk prioritization model with other priority setting tools used for ranking hazardous waste sites. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. Cambridge, MA.
- 115 Faustman, E.M. 1996. CRESP at one year. Spectrum American Nuclear Society Annual Meeting '96. Seattle, WA.
- 116 Faustman, E.M., and T.G. Ewers. 1996. The Department of Energy's Risk Data Sheet: A tool for evaluating risk across the nuclear weapons complex. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting, session on "Approaches to Performing and Utilizing Risk Assessment at DOE Sites." New Orleans, LA.
- 117 Faustman, E.M., S.M. Bartell, R.C. Lee, T.J. Kavanagh, T.K. Takaro, and R.A. Ponce. 1997. Evaluation of biomarkers for use in risk assessment and decision-making: Application of value-of-Information analyses. Biomarkers, the Genome, and the Individual. U.S. DOE, Charleston, SC., May.
- 118 Faustman, E.M., S.M. Bartell, R.A.Ponce, G. van Belle and W.C. Griffith 1998. New Approaches to Temporal Issues in Human Health Risk Assessment. Society for Risk Analysis 1998 Annual Meeting. Phoenix, AZ, December 6-9.
- 119 Ferguson, J. 1996. Applied microbiology: Anaerobic processes. Short course on Hazardous Waste Solvents in Subsurface Environments: Transport, Risks, Remediation. CRESP. Seattle, WA, September 9-11.
- 120 Frisch, M., and M. Greenberg. 1997. Estimating the off-site economic impacts of DOE risk management decisions. Society for Risk Analysis Annual Meeting. Washington, DC, December 7-10.
- 121 Frisch, M. 1998. Economic development implications of the proposed tritium accelerator at the Savannah River Site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.

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- 123 Frisch, M. 1998. The regional impact of environmental management and new defense missions at a DOE nuclear weapons production facility. Annual Conference of the American Collegiate Schools of Planning, Pasadena, CA. November 7.
- 124 Frisch, M. 1999. The Contribution of Social Networks to Economic Development in D.O.E. Regions. American Association of Collegiate Schools of Planning, Chicago, IL, October 21-24
- 125 Gallo, M. 1996. The role of bioavailability in risk assessment. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 126 Garlock, T., and J.S. Kissel. 1997. Comparison of national and regional results obtained using a telephone survey designed to elicit information on dermal contact with soil. Annual Meeting of the International Society of Exposure Analysis. Research Triangle Park, NC, November.
- 127 Garrabrants, A., T.T. Kosson, and D.S. Kosson. 1996. Methodology for estimating inorganic contaminant release from untreated and treated soils. Emerging Technologies in Hazardous Waste Management VIII, ACSI&EC Symposium. September.
- 128 Garrabrants, A.C., F. Sanchez, T.T. Kosson, J. Mehu, and D.S. Kosson. 1997. Evaluation of contaminant release mechanisms for soils and solidified/stabilized wastes. International Conference for the Environmental and Technical Implications of Construction with Alternative materials (WASCON 1997). Netherlands.
- 129 Garry, M.G., M. Vredevoogd, E.M. Faustman. 1999. Gene expression as a potential biomarker of inorganic mercury exposure in terrestrial ecosystems. Society of Toxicology Annual Meeting, New Orleans, LA, March 14-18.
- 130 Gaskin, D.S., R.A. Thakur, B.D. Goldstein, and G. Witz. 1997. Interactive effects between trans, trans-muconaldehyde and hydrogen peroxide in the introduction of DNA-protein crosslinks (DNAPC) in a chemical model system. Fundamentals of Applied Toxicology, Supplement: The Toxicologist (SOT Annual Meeting) 36: 163.
- 131 Georgopoulos, P.G. 1997. Development and evaluation of a multiscale environmental exposure and dose modeling system. Integrating Risk, Restoration and Future Use of the Savannah River Site, sponsored by DOE, SRS, CRESP, SREL and WSRC. Savannah River Ecology Laboratory, September.
- 132 Georgopoulos, P.G. 1997. Multimedia/multipathway modeling of human exposure and dose across multiple spatial and temporal Scales. 7th Annual Meeting of the ISEA, Research Triangle Park, NC., November.
- 133 Georgopoulos, P.G. 1997. Occupational health and safety in the Information Age: Computer models, databases and data management tools. Universities Occupational Safety and Health Educational Resource Center (UOSHERC) 17th Annual Scientific Meeting. NYU Medical Center, April.
- 134 Georgopoulos, P.G. 1997. Physiologically based models of dermal transport. Advances in the Biology of the Skin: Pharmacology and Toxicology. NYU Medical Center, June.

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- 135 Georgopoulos, P.G. 1997. Progress in the continuing development and evaluation of a multiscale environment exposure and dose modeling system. 7th Annual Meeting of the ISEA. Research Triangle Park, NC, November.
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- 137 Georgopoulos, P.G., L.F. McGrath, A. Roy, S. S. Isukapalli, and P.J. Lioy. 1998. Research to support decisions involving exposure to contaminants from DOE sites: Overview of the CRESP/EOHSA exposure assessment task group activities. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 138 Gochfeld, M., E. Samaras, and G. Samaras. 1998. Haztrax: Worker-based recognition of hazards trainer tracking. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 139 Gochfeld, M. 1998. New directions and applications of biomarkers. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 140 Gochfeld, M., G. Buckler, and S. Mohr. 1998. The challenge of subcontract workers in environmental management at DOE Sites. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 141 Gochfeld, M. 1998. The registry for subcontractor workers at SRS. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 142 Gochfeld, M., and G. Buckler. 1998. Training health professionals in protecting communities and workers from hazardous waste exposures. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 143 Gochfeld, M., and J. Burger. 200X. Risks from cesium-137 ingestion comparison among approaches. Society of Risk Analysis meetings, Phoenix, December.
- 144 Goldstein, B.D., and C.W. Powers. 1995. CRESP at the beginning. Environmental and Occupational Public Health Standards Steering Group. Augusta, GA, September.
- 145 Goldstein, B.D. 1995. New approaches to risk characterization. Society for Risk Analysis (SRA). Cambridge, MA, May.
- 146 Goldstein, B.D. 1995. Risk assessment and risk management: Risk communication issues. State and Tribal Forum on Risk-based Decisionmaking. St. Louis, MO, November.
- 147 Goldstein, B.D., J. Moore, G.S. Omenn, C. Powers, and A. Upton. 1996. Bioavailability as a central facet of risk assessment at DOE Sites. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.

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- 148 Goldstein, B.D. 1996. CRESP at SRS. Environmental Advisory Committee and Westinghouse Management Board, Atlanta, GA.
- 149 Goldstein, B.D. 1997. Integrating risk restoration and future use of the Savannah River Site. The Presidential/Congressional Commission on Risk Assessment and Risk Management, Savannah River Ecology Laboratory Conference Center. Savannah River, GA, September 10-11.
- 150 Goldstein, B.D., E. Faustman, J. Moore, and C. Powers. 1998. Approaches to stakeholder-based research: Lessons form CRESP. Collegium Ramazzini, October 24-25.
- 151 Goldstein, B. 1998. CRESP as an experiment in obtaining information for risk-based decision making. Society on Risk Analysis Annual Meeting. Phoenix, AZ, December 6-9.
- 152 Goldstein, B.D. 1998. CRESP: A new approach to stakeholder-responsive, cost effective research Spectrum '98. Denver, CO, September 15.
- 153 Goldstein, B.D. 1998. CRESP: A stakeholder-based approach to risk assessment for radionuclide contamination at DOE Sites. New York Academy of Medicine, New York, NY, September 27.
- 154 Goldstein, B.D., C. Powers, L. F. McGrath, J. R. Karr and J. Burger. 1998. The CRESP experiment: Implications to ecological research. Society for Environmental Toxicology and Chemistry. Charlotte, NC, November.
- 155 Grace, D.A., L. Waishwell. 1998. Integration of Stakeholders into the Research Process. International Association of Public Participation 1998 Annual Conference. Tempe, AZ.
- 156 Greenberg, M., and R. Fenske. 1996. Social, land use and demographic issues in assessing risk at Department of Energy (DOE) sites. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 7-12.
- 157 Greenberg, M. 1998. Economic impacts of DOE sites in surrounding regions: Different interpretations of stewardship. Annual CRESP Meeting, June.
- 158 Greenberg, M., M. Frisch, K. Lowrie, H. Mayer, D. Simon, L. Solitare 1998. The economic future of regions surrounding DOE's nuclear weapons sites:a cooperative research agenda. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 159 Griffith W., et al. 1997. Risk Information Tool: Stakeholder Participation in an Internet Forum for Communication about Risks at Department of Energy Facilities. First Annual Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 4.
- 160 Griffith, W. 1997. Composite Sampling - Doting on Very Absence. Poster. First Annual Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 3-4.

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- 161 Griffith, W.C., S.B. Curtis, S.M. Bartell, and E.M. Faustman. 1998. Revising strontium-90 radiation standards for environmental cleanup. Poster. Society for Risk Analysis Annual Meeting, Phoenix, AZ. December 6-9.
- 162 Griffith, W., S.B. Curtis, S. M. Bartell, and E. M. Faustman. 1998. Stakeholder participation in an Internet forum for communication about risks at Department of Energy facilities. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 163 Griffith, W., S.B. Curtis, S.M. Bartell, and E.M. Faustman. 1998. Strontium-90 radiation standards for environmental cleanup. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 164 Griffith, W., A. Smith, S. Curtis, S.M. Bartell, M. Hawke, D. Mercer, M. Robkin, C. Hendricksen, T. Potter-Chiles, D. Grace, and K. Durand. 1997. Stakeholder participation in an internet forum for communication about risks at Department of Energy facilities. Poster. Society for Risk Analysis Annual Meeting, Washington, DC. December
- 165 Guglielmo, A. 1998. Citizen involvement in the cleanup of Hanford: Explaining the success of advisory board activities. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 166 Gurer, K., M. Lazaridis, and P.G. Georgopoulos. 1997. Investigations of potential human population exposures to contamination released from forest fires in the vicinity of hazardous chemical and nuclear waste sites. 7th Annual Meeting of the ISEA. Research Triangle Park, NC, November.
- 167 Gurer, K., M. Lazaridis, and P.G. Georgopoulos. 1998. Development and testing of a modeling system for assessing the environmental impact of forest fires. Tenth Joint Conference on the Applications of Air Pollution Meteorology, 78th AMS Annual Meeting. Phoenix, AZ, January 11-16.
- 168 Gurer, K., and P.G. Georgopoulos. 1998. Investigations of the effects of forest fires on the atmosphere using a coupled forest-fire/meteorology-dispersion model. Symposium on Thermal and Fluids Engineering. Toronto, Canada, May 19-22.
- 169 Gurer, K., and P.G. Georgopoulos 1998. Mesoscales atmospheric transport and dispersion modeling: Comparisons of alternative methods. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 170 Gurer, K., and P.G. Georgopoulos. 1998. Modeling the impact of forest fires on the emission and atmospheric transport of contaminants. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 171 Gurer, K., and P.G. Georgopoulos. 1998. Numerical modeling of forest fires within a 3-D meteorological/dispersion model. Second Symposium on Fire and Forest Meteorology. November, January 11-16.
- 172 Hacherl, E., and D. Kosson, 1998. Effect of synthetic and natural chelating agents on the microbial reduction of amorphous Fe (III). Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 173 Handel, S., J. Burger 1998. Restoration Ecology: Using local plant genotypes to assess the potential for remediation of degraded land. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.

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- 174 Hashmonay, R.A. and M.G. Yost. 1998. Ammonia emissions at Hanford's tank farms using computed tomography and remote optical sensing of emissions(CT-ROSE) system. Poster. Annual Hanford Site Conference
- 175 Hashmonay, R.A., and M.G. Yost. 1998. Multi-Beam segmentation strategy: a new beam geometry for open-path fourier transform infrared (OP-FTIR) exposure assessment in workplace. Poster. American Industrial Hygiene Conference
- 176 Hashmonay, R.A., M.G. Yost, and R.S. Crampton. 1998. Novel application of open-path FTIR spectroscopy to measure aerosol ambient concentration and size distribution. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 177 Hashmonay, R.A., M.G. Yost, C.F. Wu, and D.Y. Park. 1998. Novel radial beam geometry to detect gas leak location using OP-FTIR and computed tomography techniques. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 178 Hashmonay, R.A., M.G. Yost, and R.S. Crampton. 1998. Open-path FTIR observation of water aerosol ambient concentration and size distribution. Poster. Annual American Aerosol Society Conference.
- 179 Hashmonay, R.A., M.G. Yost, and R.S. Crampton. 1999. Mapping air pollutants at Hanford's tank farms using optical remote sensing. Poster. Responsive science: Forging regulatory resolution at DOE sites, Washington, DC, April 12.
- 180 Hashmony Ram., Michael G. Yost, and Robert S. Crampton 1998. Open-path ftir observation of aerosols ambient concentration and size distributions. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 181 Hashmony A. Ram., Michael G. Yost. 1998. Gaseous emission estimation from Hanford site fugitive sources using optical remote sensing and computed tomography techniques. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 182 Hawke, M.A., D.N. Kimberling, and J.R. Karr. 1997. Developing a tool for monitoring biological integrity in terrestrial systems. Workshop on Hanford Site Biological Resources Inventory and Monitoring. Richland, WA, May 12.
- 183 Hawke, M.A., and J.R. Karr. 1997. Ecological responses and compensatory mechanisms and their role in natural remediation. 18th Annual Meeting of the Society of Environmental Toxicology and Chemistry. San Francisco, CA, November 17.
- 184 Hawke, M.A., C. Hendricksen, and S.O. Link. 1998. Can soil crusts act as indicators of the biological condition of the shrub-steppe? Using the world wide web to foster scientific collaboration, Poster. Northwest Chapter Annual Meeting, Society for Ecological Restoration, System Restoration: Turning the Tide, Soils and Restoration Session, Tacoma, WA. October 29.
- 185 Hawke, M.A. 1998. Ecological landscapes. The Risk Roundtable; Evaluating Risk from a Tribal Perspective, CRESP and the Confederated Tribes of the Umatilla Indian Reversation (CTUIR) et al. Pendleton, OR, January 28.
- 186 Hawke, M.A. 1998. Panel moderator, Ecological field studies at the Hanford Site: What we're doing and what we're learning. Second Health of the Hanford Site Annual Conference. Richland, WA, November 4.

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- 187 Hawke, M.A. 1998. Use of risk information in making clean-up decisions at Hanford. Second Health of the Hanford Site Annual Conference; Round-Three Panel Discussions: Ecological Health . Richland, WA, November 4.
- 188 Hawke, M.A., and J.R. Karr. 1998. Using a new approach to assessing ecological health: Using the Index of Biological Integrity for plants at Hanford. Poster. Second Health of the Hanford Site Second Conference, Richland, WA. November 3-4.
- 189 Hawke, M.A. 1999. Are Soil Crusts Useful Indicators of the Health of Arid Lands? A Collaborative Approach. Society for Ecological Restoration 11th Annual International Conference, San Francisco, CA. September 23-25.
- 190 Hedley, N. 1998. DOC review: Dialog through WWW documents. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 191 Hendricksen, C. 1997. The use of the Web as a research tool. Medical Library Association, Seattle, WA, May, 25.
- 192 Hendricksen, C. 1998. Research strategies for stakeholder evaluation of the risk information project, risk information tool. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 193 Himmelbauer, L.D., S.M. Bartell, S. Hanness, E. Nobmann, and R.A. Ponce. 1998. Linking ecological risk assessment to human health risk assessment: Food-chain transfers to humans from subsistence ecological resources. Society of Environmental Toxicology and Chemistry Annual Meeting, Charlotte, NC, November.
- 194 Iba, M. 1996. Dichloromethane (DCM)-induced DNA protein crosslinks (DNAPC) in murine tissues. North American International Society for the Study of Xenobiotics (ISSX). San Diego, CA, October 20-24.
- 195 Isukapalli S.S., and P.G. Georgopoulos 1998. Improvements in computational efficiency of uncertainty analysis: Coupling of the stochastic response surface method with sensitivity analysis methods. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 196 Isukapalli, S, and P.G. Georgopoulos. 1997. Stochastic response surface methods (SRSMs) for propagation of uncertainties in numerical process models. Annual Meeting of the American Institute of Chemical Engineers (AIChE. ) Chicago, IL, November.
- 197 Isukapalli, S., A. Roy, and P.G. Georgopoulos. 1998. Uncertainty analysis of PBPK models by combining stochastic response surface and automatic differentiation methods. ISEE/ISEA Joint Conference. Boston, MA, August.
- 198 Isukapalli, S.S., A. Roy, and P.G. Georgopoulos. 1998. Uncertainty propagation in environmental and biological process models for risk analysis: Stochastic response surface and automatic differentiation methods. Poster. AIChE 1998 Annual Meeting
- 199 Jabbour, A., J. Hill, R. Ponce, K. Ertell, T. Kavanagh, L. Newman, T. Takaro, and E. Faustman. 1998. Flow cytometric method for lymphocyte proliferation test: Screening for beryllium sensitization at Hanford. University of Washington Second Health of the Hanford Site Annual Conference, Richland, WA, November 3-4.

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- 200 Jabbour, A.V., J.A. Hill, R.A. Ponce, K.B. Ertell, T.J. Kavanagh, L.S. Newman, T.K. Takaro, and E.M. Faustman. 1999. A flow cytometric method to screen for beryllium sensitization. Society of Toxicology Annual Meeting, New Orleans, LA. March 14-18.
- 201 Jabbour, J., R. Ponce, M. Rosato, K. Ertell, T. Kavanagh, L. Newman, T. Takaro and E. Faustman. 1999. Flow cytometric method for lymphocyte proliferation test: Screening for Beryllium sensitization at Hanford. Third Annual University of Washington Conference on the Ecological, Community, and Occupational Health Issues at Hanford, November 2-3.
- 202 Kalman, D. 1996. Exposure assessment. Short course Hazardous Waste Solvents in Subsurface Environments: Transport, Risks, Remediation. CRESP, Seattle, WA, September 9-11.
- 203 Karr, J. 1996. Ecological considerations. Symposium on Risk. CRESP, Seattle, WA, May 15.
- 204 Karr, J.R. 1997. Ecological Health Task Group activities at Hanford. Monthly Meeting of the Washington Department of Ecology. Kennewick, WA, December 15.
- 205 Karr, J.R., and E.W. Chu. 1997. Ecological integrity in theory and practice. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting, Session on Ecological Integrity: Moving from Principle to Practice. Seattle, WA, February 13-18.
- 206 Karr, J.R. D.N. Kimberling, and M.A. Hawke. 1997. Measuring ecological health, assessing ecological risks. First Annual Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 3.
- 207 Karr, J.R., and E.W. Chu. 1998. Academia and our diminishing water resources. American Society of Limnologists and Oceanographers and Ecological Society of America Joint Meeting, St. Louis, MO. June 7.
- 208 Karr, J.R. 1998. Biological Monitoring: An Essential Foundation for Ecological Risk Assessment. US EPA Laboratory. Newport, OR, August 3.
- 209 Karr, J.R. 1998. Biological monitoring: An essential foundation for ecological risk assessment. Conference on Modeling and Measuring the Vulnerability of Ecosystems at Regional Scales for Use in Ecological Risk Assessment and Risk Management. Bell Harbor International Conference Center, Seattle WA, August 18.
- 210 Karr, J.R. 1998. Can science and risk analysis overcome legacies. Society for Risk Analysis 1998 Annual Meeting. Phoenix, AZ, December 6-9.
- 211 Karvonen, A., and H. David Stensel. 1998. A novel method to determine biokinetics of anaerobic dechlorinating bacteria in contaminated site soil samples. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 212 Kern, M., and M. Power, WA Department of Ecology 1998. Summary of public involvement recommendations of Hanford openness workshops. Hanford Advisory Board Public Involvement Committee Meeting. Pendleton OR, September 9.

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- 213 Kern, M., T. Potter-Chiles, E. Fustman, D. Grace, R. Pixler, and T. Takaro. 1998. The Hanford openness workshops: Helping stakeholders and tribes participate meaningfully in risk-based decision-making. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 214 Kern, M., T. Potter-Chiles, E. Faustmen, and D. Grace. 1998. The risk roundtable: Evaluating risk from a tribal perspective. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 215 Kevrekidis, P.G., M. Lazaridis and P.G. Georgopoulos. 1998. A new mechanistic model for the resuspension of particulate matter. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 216 Khan, M., and B. Williams. 1998. Generalization of rankings for hazardous waste disposal/management factors by county and economic dependence. Annual meeting of the Society for Risk Analysis, Phoenix, AZ.
- 217 Kim E., Timothy Larson, and David Kalman 1998. Particle transport project field comparison of modified rotorod samplers and deposition samplers: Development of an improved particle inertial deposition model. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 218 Kim E., Timothy Larson, and David Kalman. 1998. Particle transport project size resolution of large airborne particles using deposition samplers: Wind chamber tests. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 219 Kim, Y.C., K. Cooper, A. Skiadas, J. Burger, A. Roy, and P.G. Georgopoulos. 1998. Evaluation of fit for one-, two-, and three-compartment models to uptake and elimination data for two persistent chlorinated xenobiotics: 2,3,7,8-tetrachlorodibenzo-p-dioxin (tcdd) and 3,3',4,4',5-pentachlorobiphenyl (pcb 126). Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa,
- 220 Kimberling D.N., and J.R. Karr. 1998. Assessing Ecological Health at Hanford: Terrestrial Invertebrates and the Index of biological Integrity (poster). Richland, WA.
- 221 Kimberling D.N., J.R. Karr, and L.S. Fore 1999. Responses of invertebrates to human-induced disturbance: Developing a terrestrial index of biological integrity. Ecological Society of America Annual Meeting. Spokane, WA, August 7-12.
- 222 Kimberling D.N., M.A. Hawke, J.R. Karr, and L.S. Fore. 1999. The EMAP Symposium on Western Ecological Systems: Status, Issues and New Approaches. San Francisco, CA
- 223 Kimberling, D.N., and M.A. Hawke. 1997. A New Approach to Assessing Ecological Health at Hanford. First Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 3.
- 224 Kimberling, D.K. 1998. Moderator, Round-One panel discussions: Ecological health. Second Health of the Hanford Site Annual Conference.
- 225 Kimberling, D.N., J.R. Karr, and L.S. Fore. 1999. Terrestrial insects and ecological health: Links to cleanup decisions at Hanford. Third Annual University of Washington Conference on the Ecological, Community, and Occupational Health Issues at Hanford, November 2-3.

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- 226 Kirchner, S.C., T.J. Kavanagh, T. Takaro, K.A. Hunt, T.A. Lewandowski, S.W. Hong, C.H. Muller, M. Gold, and E.M. Faustman 1998. Analysis of changes in heatshock protein genes in uroepithelial cells as biomarkers of heat stress: applications to DOE workers. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 227 Kirchner, S.C., K.A. Hunt, T.J. Kavanagh, T.A. Lewandowski, S.W. Hong, C.H. Muller, M. Gold, and E.M. Faustman. 1998. Analysis of gene expression changes in uroepithelial cells as biomarkers of heat stress. Poster. Society of Toxicology Annual Meeting. Seattle, WA, March 1-5.
- 228 Kirchner, S.C., T.J. Kavanagh, J. Woods, T.K. Takaro, R.A. Ponce, and E.M. Faustman. 1998. Development of gene expression analyses as biomarkers of exposure and effect. University of Washington First Annual Conference on The Health of the Hanford Site: Current Challenges, Richland, WA, December 3-4, 1997.
- 229 Kissel, J., S. Bartell, and W. Wawrukiewicz. 1996. Comparison of soil ingestion rates derived from dose reconstruction at contaminated sites with estimates obtained in tracer mass balance studies. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 230 Kissel, J., T. Garlock, and K. Holmes. 1996. Incorporation of behavioral data in assessment of dermal exposure to soils. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 231 Kissel, J. 1996. Off-site (non-occupational) risks. Symposium on Risk. CRESP, Seattle, WA, May 15.
- 232 Kissel, J.C. 1997. Characterization of dermal contact with soil. EPA Dermal Workshop. Washington, DC, August.
- 233 Kissel, J.C, and W. Wawrukiewicz. 1997. Comparison of predicted exposures to soil contaminants with results of biomonitoring at selected sites. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Session on "Pathways of Exposure to Contaminants in Surface Soils: Do We Know Enough to Know How Clean is Clean. Seattle, WA,
- 234 Kissel, J.C., and T. Garlock. 1997. Evaluation of a revised protocol for assessment of dermal exposure to soil contaminants. Annual Meeting of the Society for Risk Analysis. Washington, DC. December.
- 235 Kissel, J., T. Garlock, and K. Holmes. 1997. Incorporation of behavioral data in assessment of dermal exposure to soils. Northwest/International Section, Air and Waste Management Association Regional Meeting. Seattle, WA, December.
- 236 Kissel, J., T. Garlock, and J. Shirai. 1998. Assessment of dermal exposure to soils. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 237 Kissel, J.C., T. Garlock, and J. Shirai. 1998. Assessment of dermal exposure to soils. Sixth International FZK/TNO Conference on Contaminated Soil. Edinburgh, Scotland, May.
- 238 Kissel, J., A. Wawrukiewicz, S. Bartell, and J. Shirai. 1998. Evaluation of the predictive capability of models of exposure to soil contaminants. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.

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- 239 Kissel, J.C., A. Wawrukiewicz, and S.M. Bartell. 1998. Evaluation of the predictive capability of models of exposure to soil contaminants. Poster. Sixth International FZK/TNO Conference on Contaminated Soil, Edinburgh, Scotland, May.
- 240 Kosson, D.S., J.Z. Tsao, and A. Garrabrants. 1996. A framework for estimating site-specific contaminant release from soils and wastes. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 241 Kosson, D.S., S. Schaefer, and I. Massry. 1997. Leaching and release of organic contaminants from soils. International Conference for the Environmental and Technical Implications of Construction with Alternative Materials (WASCON 1997). Netherlands. June.
- 242 Kosson, D.S. 1997. Risk communication: Addressing public concerns about risk controversies. Toxicology in Risk Assessment Symposium . U.S. Army Chemical and Biological Defense Command. Bethesda, MD, May 14-16.
- 243 Kosson, D.S., 1999. CRESP understanding of SRS IOU objectives. June.
- 244 Lazaridis, M., and P.G. Georgopoulos. 1997. Dosimetry modeling of inhaled particles in the respiratory tract. 7th Annual Meeting of the ISEA. Research Triangle Park, NC, November.
- 245 Lazaridis, M., and P.G. Georgopoulos. 1997. Human exposure to inhalation of particulate matter resuspended from radioactive contaminated soil. 7th Annual Meeting of the ISEA. Research Triangle Park, NC, November.
- 246 Lazaridis, M., T. Larson, and P.G. Georgopoulos 1998. Particulate matter dispersion modeling at the local scale: Comparison of the fugitive dust model with a lagrangian fluid particle model. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 247 Lazaridis, M., and P.G. Georgopoulos. 1998. Respiratory tract dosimetry modeling for inhaled particulate matter: Comparison of the edmas-aid and icrp66 models. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 248 Lee, R.C., E.G. Luebeck, S.B. Curtis, S.M. Bartell, and E.M. Faustman. 1996. Evaluation of potential cancer risks associated with chemical mixtures using biologically based dose-response models: Sensitivity analyses of models using simulated experiments. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December
- 249 Lee, R.C., and E.M. Faustman. 1996. New approaches for human health risk assessment of cancer and non-cancer endpoints for understanding risks from mixed wastes. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 250 Lee, R.C., E.G. Luebeck, S.M. Bartell, R.A. Ponce and E.M. Faustman. 1997. Simulation studies examining possible mechanisms of trichloroethylene carcinogenicity. Poster. Society for Risk Analysis Annual Meeting, Washington, DC. December.
- 251 Lee, R.C., S.M. Bartell, R.A. Ponce, D.L. Eaton, W.C. Griffith, and E.M. Faustman. 1998. The value of biological information in aflatoxin risk management. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.

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- 253 Lee, R.C., S.M. Bartell, R.A. Ponce, W.C. Griffith, A. C. Cullen, and D.L. Eaton. 1998. The value of biomarker information in aflatoxin risk management. Society for Risk Analysis 1998 Annual Meeting. Phoenix, AZ, December 6-9.
- 254 Lee, R.C., S.M. Bartell, R.A. Ponce, W.C. Griffith, A.C. Cullen, and D.L. Eaton. 1998. The value of biomarker information in aflatoxin risk management. Poster. Society for Risk Analysis Annual Meeting, Phoenix, AZ. December 6-9.
- 255 Lee, R.C., S.M. Bartell, R.A. Ponce, A.C. Cullen, D.L. Eaton, and E.M. Faustman. 1998. The value of biomarker information in risk based decisions regarding aflatoxin control. Society of Toxicology Annual Meeting. Seattle, WA, March 1-5.
- 256 Leschine, T., A. Guglielmo, and J. Abbotts. 1998. Tank waste at Hanford: Status report and identification of issues. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 257 Leschine, T., J. Abbotts, F. Lo, and A. Guglielmo. 1998. The role of technology development in the hanford high level waste cleanup. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 258 Leschine, L., J. Abbotts, F. Lo, and A. Guglielmo. 1998. Understanding how consideration of risk contributes to consensus on cleanup decisions at doe sites. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 259 Lewandowski, T.A., C.H. Pierce, S.M. Bartell, R.A. Ponce, and E.M. Faustman. 1997. Toxicokinetic and toxicodynamic modeling of the effects of methylmercury in the fetal rat. Poster. Pacific Northwest Association of Toxicologists Annual Meeting, Ocean Shores, WA. September.
- 260 Lewandowski, T.A., S.M. Bartell, C.H. Pierce, R.A. Ponce, and E.M. Faustman. 1997. Toxicokinetic and toxicodynamic modeling of the effects of methylmercury on the fetal rat. Society of Toxicology Annual Meeting. Seattle, WA, March 1-5.
- 261 Lewandowski, T.A., S.M. Bartell, C.H. Pierce, R.A. Ponce, and E.M. Faustman. 1998. Effect of tissue binding uncertainty on a PBTK model of methylmercury in the fetal rat. Toxicological Letters 95(Suppl. 1), No. P2F148.
- 262 Lewandowski, T.A., S.M. Bartell, C.H. Pierce, R.A. Ponce, and E.M. Faustman. 1998. Evaluation of tissue binding coefficient uncertainty on a PBTK model of methylmercury in the fetal rat. International Union of Toxicology: ICT VIII. INTOX. Paris, France, July 5.
- 263 Lewandowski, T.A., J.L. Schroeder, R.A. Ponce, S.M. Bartell, and E.M. Faustman. 1998. In vivo determination of cell cycling rates in embryonic rat neural cells, Poster. Pacific Northwest Association of Toxicologists Annual Meeting, Leavenworth, WA. September. [Second Place Student Poster Award]
- 264 Lewandowski, T.A., S. Hong, S. Pingree, C.H. Pierce, R.A. Ponce, and E.M. Faustman. 1998. Methylmercury distribution in pregnant rats and their fetuses during early organogenesis. Teratology Society Annual Meeting, San Diego, CA, June.

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- 266 Lewandowski, T.A., J.S. Schroeder, R.A. Ponce, S.M. Bartell, and E.M. Faustman. 1999. In vivo determination of cell cycling rates in embryonic rat neural cells: Development of a biologically-based toxicodynamic model for methylmercury risk assessment. Society of Toxicology Annual Meeting, New Orleans, LA, March 14-18.
- 267 Lewandowski, T.A., S.M. Bartell, C.H. Pierce, R.A. Ponce, and E.M. Faustman. 1999. Linking toxicokinetic and toxicodynamic models for methylmercury developmental toxicity. The role of Human Exposure Assessment in the Prevention of Environmental Disease. Rockville, MD, September 22-24.
- 268 Lord, C.G., K.F. Gaines, C.S. Boring, I.L. Brisbin, Jr. and J. Burger 1998. Radiocesium in raccoons: Population differences and potential human risks. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 269 Lord, C. G, K. F. Gaines, C. Shane Boring, J. Burger and I. L., Jr. 1998. Tissue concentration differences of radiocesium among raccoon populations within and near the Department of Energy's Savannah River Site. Society of Mammalogists, June.
- 270 Lord, C., M. Kuklinski, I.L. Brisbin, Jr., K. Gaines, M. Gochfeld, and J. Burger. 1998. Using raccoons as bioindicators of mercury contamination. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 271 Lowrie K. 1998. Future Land use at nuclear weapons sites: Issues for local communities. Annual Conference of the American Collegiate Schools of Planning, Pasadena, CA. November 7.
- 272 Lowrie, K. 1997. Land use options and economic outcomes. Integrating Risk, Restoration and Future Use of Savannah River Site. Savannah River Ecology Laboratory Conference Center, Aiken, SC, September 10-11.
- 273 Lowrie, K. 1997. Land use, risk perception and risk management at U.S. nuclear weapons facilities. Society for Risk Analysis Annual Meeting. Washington, DC, December 7-10.
- 274 Lowrie, K. 1998. Local impacts of nuclear weapons facilities: surveys of planners and fiscal officers. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 275 Lowrie, K. 1999. Hazards, risk and the press – What is important?: A comparative analysis of newspaper coverage of nuclear and chemical weapons sites. Biennial Meeting of the Risk Assessment and Policy Association, Alexandria, VA, March 26.
- 276 Lowrie, K. 1999. Long range planning for stewardship at DOE sites. Poster. Responsive science: Forging regulatory resolution at DOE sites, Washington, DC, April 12.
- 277 Lu, S., S.C. Kirchner, and E.M. Faustman. 1998. Identification of differentially expressed mitochondrial genes in methylmercury (MeHg) exposed rat embryonic CNS cells. Society of Toxicology Annual Meeting, Seattle, WA, March 1-5.

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- 279 Luyber, T., F. Schafer, F. Razza, H.A. Schoenfeld, B.D. Goldstein, and G. Witz. 1996. DNA-protein crosslink formation by benzene metabolites in a chemical model system. *Fundamentals of Applied Toxicology*, Supplement: *The Toxicologist* 30:232.
- 280 Massmann, J. 1996. Extraction technologies. Short course on Hazardous Waste Solvents in Subsurface Environments: Transport, Risks, Remediation. CRESP, Seattle, WA, September 9-11.
- 281 Massry, I.W., and D.S. Kosson. 1998. The impact of mass transfer rate limitations, including pore diffusion and heterogeneity, on groundwater remediation strategies. SRS-CAB meeting, February 23.
- 282 Massry, I., D. Berler, D. Kosson 1998. The impact of mass transfer rate limitations, including pore diffusion and heterogeneity, on soil vapor extraction remediation strategies. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 283 Mayer, H.J. 1998. Recovering from the environmental and economic fallout: nuclear weapons in rural communities. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 284 McGrath L.F., R. Ponce, 1998. Biomarkers: Mechanistic understanding of the exposure to effect continuum. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 285 McGrath L.F., P. Georgopoulos, and P. Liroy 1998. The use of scientific research to inform decisions regarding exposure to contaminants at DOE sites. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 286 McGrath L.F., K. Ellickson, and E.B. Hart. 1999. Risk assessment of a Department of Energy facility using site specific bioaccessibility data. International Society of Exposure Analysis, September 7.
- 287 McGrath, L.F. 1998. EOHSI hazard identification task group overview of projects. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 288 McGrath, L.F., and L. Waishwell. 1998. Savannah river site risk management working group: A process to understand risk assessments and communicate results. Health of the Hanford site 2nd annual conference. Richland, WA, November, 1998.
- 289 McGrath, L.F., and L. Waishwell. 1998. Understanding risk at SRS: Development of a brochure. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 290 McGrath, L.F., K. Cooper, K. Ellickson, B. Hart, and P. Liroy. 1999. Bioavailability studies to improve risk assessment at SRS. Poster. Responsive science: Forging regulatory resolution at DOE sites, Washington, DC, April 12.

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- 291 McGrath, L.F., and R. Ponce. 1999. Empirical vs. mechanistically-based dose-response modeling of organophosphate pesticide toxicity. Society of Toxicology Annual Meeting, New Orleans, LA, March 14-18.
- 292 McMillan, M.J., Y.C. Ou, R.A. Ponce, S.C. Kirchner, and E.M. Faustman. 1996. Investigation of the temporal correlation between methylmercury-induced cell cycle arrest and induction of cell cycle specific genes. In Proceedings of the Teratology Society Annual Meeting 55(1): 360.
- 293 McMillan, M. 1997. Methylmercury (MeHg) is an environmentally relevant metal and potential developmental neurotoxicant in animals and human. Teratology Society Annual Meeting, Palm Beach, FL, June.
- 294 McMillan, M.J., R.A. Ponce, S.C. Kirchner, K.A. Hunt, S. Hong, Y.C. Ou, and E.M. Faustman. 1998. Cell cycle phase-specific expression of cell cycle regulatory genes in rodent embryonic neuroepithelial cells exposed to methylmercury. Society of Teratology Annual Meeting, San Diego, CA, June.
- 295 Mendoza, M.C., Y.C. Ou, S. Hong, and E.M. Faustman. 1999. A P53-independent methylmercury-induced g2/M arrest. Society of Toxicology Annual Meeting, New Orleans, LA, March 14-18.
- 296 Mercer, D. 1998. Future histories. Association of American Geographers Annual Meeting. Ft. Worth, TX, April 1-5.
- 297 Mercer, D. 1998. Nuclear salvage: Public trust and future land uses for former nuclear weapons production sites. Association of American Geographers Annual Meeting. Ft. Worth, TX, April 1-5.
- 298 Mercer, D. 1998. What's fair in peace and war?: A survey of citizen attitudes about fairness at cold war weapons facility. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 299 Moore, J., C. Drew, and E.M. Faustman. 1996. Uses of risk data sheets in the DOE budget formulation process. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 300 Morill, R., and SH. McMullin. 1998. Modeling and land-use issues for Hanford future development scenarios. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 301 Nyerges, T. 1996. Applications of GIS. Symposium on Risk. CRESP, Seattle, WA, May 15.
- 302 Nyerges, T. 1996. Progress in spatial decision making using GIS. 1996 International Young Scholars Summer Institute in Geographic Information. National Science Foundation, European Science Foundation, Berlin, Germany.
- 303 Nyerges, T., C. Drew, N. Hedley, and C. Hendricksen 1997. GIS and risk assessment: Differentiating multiple levels of analysis. Society for Risk Analysis 1997 Annual Meeting. Washington, DC, December 10.

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- 304 Nyerges, T. 1997. GIS for risk evaluation: A conceptual framework. Association of American Geographers Annual Meeting. Ft. Worth, TX, April 1-5.
- 305 Nyerges, T. 1997. Public participation Geographic Information Systems. Association of American Geographers Annual Meeting. Ft. Worth, TX, April 1-5.
- 306 Nyerges, T. 1997. Public participation Geographic Information Systems. AutoCarto 13, International Symposium of Automated Cartography. Seattle, WA, April 7-10.
- 307 Nyerges, T., C. Drew, N. Hedley, and C. Hendricksen. 1997. Research strategies for studying collaborative use of GIS risk evaluation. GIS/LIS 1997 Annual Meeting. Cincinnati, OH, October 28.
- 308 Nyerges, T. 1998. Empirical research strategies for investigating risk evaluation with stakeholder participation at Hanford. Society for Risk Analysis 1998 Annual Meeting. Phoenix, AZ, December 9.
- 309 Nyerges, T., M. Robkin, and T.J. Moore. 1998. Geographic Information Systems for risk evaluation: A perspective on applications in environmental health. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. Session on Approaches to Performing and Utilizing Risk Assessment at DOE Sites. New Orleans, LA, December 8-11.
- 310 Nyerges, T.L. 1998. Risk information project: A normative risk decision model. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 311 Omenn, G.S. 1996. A risk management perspective of uses and limitations of risk assessment: Views of the Presidential/Congressional Risk Commission and introduction to the work of CRESP. Spectrum American Nuclear Society Annual Meeting '96. Seattle, WA, August 19-22.
- 312 Omenn, G.S. 1996. Conference on Screening for Genetic Predispositions: Public Health Significance. Lake Tahoe, NV, October 25.
- 313 Omenn, G.S. 1996. Health and the Environment. Scandinavian Big Cities Conference. Oslo, Norway, February 28.
- 314 Omenn, G.S. 1996. Panel meeting for review of Centers for Disease Control Prevention Research Centers. Institute of Medicine (IOM). Irvine, CA, July 15.
- 315 Omenn, G.S. 1996. Panel meeting on environmental justice. Institute of Medicine (IOM). Spokane, WA, August 13.
- 316 Omenn, G.S. 1996. Putting bioremediation into practice: The politics, economics, and business of bioremediation. Symposium on Biodegradation of Organic Pollutants. Mallorca, Spain, June 29-July 3.

## CRESP Presentations, Posters, and Abstracts

- 317 Omenn, G.S. 1996. Risk assessment, risk management and the holistic approach. Presented at Symposium on the Integration of Yakama Cultural Values with Salmon Restoration. Yakama Indian Nation. Toppenish, WA, July.
- 318 Omenn, G.S. 1997. Behavioral and social science contributions to other health sciences: Contributions of behavioral and social sciences to public health. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 13-18.
- 319 Omenn, G.S. 1997. Enhancing the University of Washington's Contribution to Environmental Problem Solving: A Symposium. University of Washington, Department of Environmental Health. Seattle, WA, October 25.
- 320 Omenn, G.S. 1997. Risk assessment and the management process. University of Washington, School of Business, Environmental Management Program. Seattle, WA.
- 321 Omenn, G.S. 1997. Risk assessment, risk management and holistic thinking. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Session on "Risk-Influenced Decisionmaking at DOE Sites: Time for Holistic Thinking?" Seattle, WA, February 13-18.
- 322 Omenn, G.S. 1997. Science-based risk management in regulatory agencies: Assessing risk commission recommendations. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 13-18.
- 323 Omenn, G.S. 200X. Risk management perspective of uses and limitations of risk assessment: Views of the Presidential/Congressional Risk Commission and introduction to the work of CRESP. University of Washington, School of Public Health and Community Medicine and CRESP. Seattle, WA, August 19.
- 324 Ou, Y.C., S. Lu, and E.M. Faustman. 1998. Induction of necrotic and apoptotic cell death following methylmercury (MeHg) exposure in primary embryonic CNS cells. Society of Toxicology Annual Meeting, Seattle, WA, March 1-5.
- 325 Palestis, B., and J. Burger. 1998. Recognition of nest predator species and individuals by Common Terns. Society for Integrative and Comparative Biology. Boston, MA, January 3-7.
- 326 Ponce R.A., S.C. Kirchner, T.J. Kavanagh, J. Woods, T.K. Takaro, and E.M. Faustman. 1997. Development of gene expression analyses as biomarkers of exposure and effect. First Annual Health of the Hanford Site Conference: Current Challenges, Round Two: Occupational Health. Richland, WA, December 3.
- 327 Ponce, R. 1997. The utility of mercury exposure biomarkers in risk assessment. Frontier Geosciences, Washington State Department of Health (WADOH). Seattle, WA, March 28.
- 328 Ponce, R.A., S.M. Bartell, R.C. Lee, T.J. Kavanagh, and E.M. Faustman. 1997. Use of biomarkers in risk assessment and decision-making. Conference on Issues and Applications in Toxicology and Risk Assessment. Dayton, OH, April.
- 329 Ponce, R.A., S.M. Bartell, R.N. Sanga, and E.M. Faustman. 1998. Comparative analyses of exposure estimates based on biomarkers or predictive models: A case example with dietary methylmercury intake. Second Health of the Hanford Site Annual Conference. Richland, WA, November 3-4.

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- 330 Ponce, R.A., S.M. Bartell, R.N. Sanga, and E.M. Faustman. 1998. Comparative analysis of exposure estimates based on biomarkers of predictive models: A case example with dietary methylmercury intake, Presentation. International Union of Toxicology VIII Annual Meeting. Paris, France, July 5-9.
- 331 Ponce, R.A., S.M. Bartell, R.N. Sanga, and E.M. Faustman. 1998. Comparative analysis of exposure estimates based on biomarkers of predictive models: A case example with dietary methylmercury intake. Poster. International Union of Toxicology VIII Annual Meeting, Paris, France, July 5-9.
- 332 Ponce, R.A., S.M. Bartell, D. Laflamme, C. Carrington, E.M. Faustman, R.C. Lee, and P.M. Bolger. 1998. Quantitative analysis of risks and benefits for public health decisions applied to fish consumption. Society of Toxicology Annual Meeting. Seattle, WA, March 1-5.
- 333 Ponce, R.A., S.M. Bartell, D. LaFlamme, C. Carrington, E.M. Faustman, R.C. Lee, and P.M. Bolger. 1998. Quantitative analysis of risks and benefits for public health decisions applied to fish consumption. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 334 Ponce, R.A., S.M. Bartell, D. Laflamme, C. Carrington, E.M. Faustman, R.C. Lee, and P.M. Bolger. 1998. Quantitative analysis of risks and benefits for public health decisions applied to fish consumption. Poster. Society of Toxicology Annual Meeting. Seattle, WA, March 1-5.
- 335 Ponce, R.A., and T.K. Takaro. 1998. Use of risk information in making cleanup decisions at Hanford. Second Health of the Hanford Site Annual Conference, Richland, WA, November 3-4.
- 336 Ponce, R.A., S.M. Bartell, C. Carrington, E.M. Faustman, R.C. Lee, and P.M. Bolger. 1999. Development of public health assessments that consider risks from methylmercury and nutritional benefits of fish consumption. 5th International Conference on Mercury as a Global Pollutant, Rio de Janeiro, Brazil, May 23-27, 1999.
- 337 Ponce, R.A., T.K. Takaro, S.M. Bartell, A.J. Jabbour, K. Ertell, J. Abbotts, S. Barnhart, and E.M. Faustman. 1999. Policy analysis and clinical research on occupational beryllium exposure at DOE sites. Poster. Responsive science: Forging regulatory resolution at DOE sites, Washington, DC, April 12.
- 338 Ponce, R.A., S.M. Bartell, R.C. Lee, R.U. Sanga, G.S. Omenn, and E.M. Faustman. 1997. Comparisons between predictive modeling and use of biomarkers in assessing dietary methylmercury exposure. Platform Health of the Hanford Site Conference: Current Challenges, Richland, WA, December 3-4.
- 339 Powers, C.W., B.D. Goldstein, J. Moore, G.S. Omenn, and A. Upton. 1996. Conceptual Basis of Risk Assessment at Department of Energy (DOE) Sites. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, New Orleans, LA.
- 340 Powers, C.W. 1996. The RDS, WMPEIS and BEMR: How risk is evaluated in three DOE mechanisms that shape DOE decision-making. Presented to Savannah River Site Citizens Advisory Board. Atlanta, GA, January.
- 341 Powers, C., and B. Smith, 1998. CRESP structure defined. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 342 Powers, C.W. 1998. Long term risk management in the context of: Compliance, closure, and ongoing missions. CRESP 4th Annual Conference, June.

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- 343 Powers, C.W. 1999. CRESP and the role of risk in decision making in the Department of Energy's Environmental Management Program. Argonne National Laboratory, Environmental Assessment Division. January.
- 344 Powers, C.W., D. Kosson, and B.G. Goldstein. 1999. Integrator operable units: Key settings for implementing new risk assessment techniques. Society for Risk Analysis Annual Meeting, December 7.
- 345 Powers, C.W. 1999. Trust in the context of environmental management. Bloustein School, New Brunswick, NJ, October 20.
- 346 Powers, C.W. 2000. Can science really foster better public policy decisions at DOE Sites: An introduction to the CRESP experience. Environmental Management Science Program (EMSP) National Workshop, Atlanta, Ga, April 26.
- 347 Powers, C.W. 2000. CRESP. Industry Partnerships for Environmental Science and Technology Conference, Long-term Stewardship Implementation Session, Morgantown, West Virginia, October 18.
- 348 Powers, C.W., D. Kosson, J. Burger, and P. Liroy. 2000. Linking science, technology and stewardship: An informatl discussion between scientists, managers and others concerned with these linkages at the Savannah River Site. Environmental Restoration Technology End User Conference, Augusta, Ga, June 6.
- 349 Powers, C.W. 2000. Searching for a path forward: The Risk prioritization process as it shapes the SRS integrated priority list: An initial review of the SRS model. Savannah River Site, Aiken, South Carolina, July.
- 350 Powers, C.W. 2000. The Architecture of Trust in the context of environmental science and management. Massachusettes Institute of Technology, Cambridge, MA, March, 24.
- 351 Rixey, W., I.W. Massry, G. Sanjay, and D.S. Kosson. 1997. Modeling the effects of aging on leaching of aromatic hydrocarbons for saturated soils. ACS National Meeting. Las Vegas, NV, September.
- 352 Robkin, M. 1996. Chemicals and radionuclides: Some considerations and comparisons. Symposium on Risk. CRESP, Seattle, WA, May 15.
- 353 Roush D., and J. Burger 1998. A survey of Idahoan' preferences for future land uses at the INEEL. Idaho Academy of Sciences. J. Idaho Academy of Sciences, April 1, 34:29 (abstract).
- 354 Roush, D., D. Beaver, and J. Burger. 1997. Surveying public perceptions about the Idaho National Engineering and Environmental Laboratory's Environment. Idaho Academy of Science. Pocatello, ID, April.
- 355 Roush, D., and J. Burger. 1999. Applying an Ecological Index to Explain People's Attitudes about Idaho's Department of Energy Site. Western States Communication.Association, Vancouver, February.

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- 356 Roy, A., P.G. Georgopoulos, R.J. Meeker, E.C. Faria, M.A. Gallo, and P.J. Liroy. 1997. Estimation of bioavailability using deconvolution. 7th Annual Meeting of the ISEA, Research Triangle Park, NC, November.
- 357 Roy, A. S.S. Isukapalli, and P.G. Georgopoulos. 1998. Bayesian data assimilation techniques for risk assessment models: The Markov chain Monte Carlo simulation methodology. Poster. AIChE 1998 Annual Meeting, Miami, FL
- 358 Roy, A., and P.G. Georgopoulos. 1998. Data and model assimilation using a Bayesian methodology: Markov chain Monte Carlo (MCMC) simulation. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 359 Roy, A., P.G. Georgopoulos, and P.J. Liroy. 1998. Estimation of bioavailability using deconvolution. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 360 Roy, A., S. Isukapalli, and P.G. Georgopoulos. 1998. Evaluation of physiologically based population pharmacokinetic models developed using Markov Chain Monte Carlo simulation methodology. SEE/ISEA Joint Conference. Boston, MA, August.
- 361 Roy, A., K.M. Ellickson, S.C. Hamel, R.J. Meeker, E.C. Faria, B. Buckley, M. A. Gallo, P.G. Georgopoulos, and P.J. Liroy. 1998. Oral Bioavailability of metals from soil. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 362 Roy, A., and P.G. Georgopoulos. 1999. Addressing uncertainty and variability in physiologically based pharmacokinetic models. Symposium on aggregate exposure assessments: Defining and evaluating uncertainty and variability. Poster. Annual Society for Risk Analysis Conference.
- 363 Roy, A., S. Isukapalli, and P.G. Georgopoulos. 1999. Comparison of the efficiency and robustness of methods for uncertainty analysis. Poster. Annual Society for Risk Analysis Conference.
- 364 Roy, A., Y-C. Chien, C. Weisel, and P.G. Georgopoulos. 1999. Evaluation of a physiologically based pharmacokinetic model for perchloroethylene in humans at environmental exposure levels. Poster. ISEE/ISEA Joint Conference
- 365 Roy, A., Y-C. Chien, C. Weisel, and P.G. Georgopoulos. 1999. Source-to-dose modeling for complex exposure assessment problems: An integrated framework and application. Poster. ISEE/ISEA Joint Conference
- 366 Salazar, M., T. Takaro, K. Ertell, S. Barnhart, M. Gochfeld, S. O'Neill, and C. Connon. 1997. Structure and function of occupational health services at weapon sites. The First Annual Health of the Hanford Site Conference. Session on Occupational Health and Safety. Richland, WA, December 3-4.
- 367 Salazar, M.K., T. Takaro, K. Ertell, M. Gochfeld, S. O'Neill, and S. Barnhart. 1998. Structure and function of occupational health services at 10 DOE sites. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 368 Salazar, M.K., T.K. Takaro, K. Ertell, M. Gochfeld, and S. Barnhart. 1998. Structure, function and financing of occupational health services across the US DOE Weapons Complex. National Waste Management Conference, Tucson, AZ. March.

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- 369 Salazar, M. 1999. Barriers to respirator use. Third Annual University of Washington Conference on the Ecological, Community, and Occupational Health Issues at Hanford, November 2-3.
- 370 Salazar, M.K., T.K. Takaro, K. Ertell, M. Gochfeld, S. O'Neill, and S. Barnhart. 1999. Structure and function of occupational health services at 10 DOE sites. Poster. Responsive science: Forging regulatory resolution at DOE sites, Washington, DC, April 12.
- 371 Sanchez, J., J. Burger. 1998. Hunting & exposure: Assessing risk & future use at nuclear production sites. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 372 Sanchez, J., J. Burger. 1998. Hunting, jobs, and nuclear clean-up: Opinions of hunters at the Savannah River Site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 373 Sanga R.N. S.M. Bartell, R.A. Ponce, A. Boischo, C.R. Joiris, C.H. Pierce, and E.M. Faustman. 1998. Effects of uncertainties on exposure estimates to methylmercury: A Monte Carlo analysis of biomarkers of exposure vs. predictive dietary information. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 374 Sanga, R.N., S.M. Bartell, R.A. Ponce, C.H. Pierce, C.R. Joiris, A.A.P. Boischo, and E.M. Faustman. 1998. Effects of uncertainties on exposure estimates to methylmercury: A Monte Carlo analysis of biomarkers of exposure vs. predictive dietary estimaiton. Poster. Society of Toxicology Annual Meeting. Seattle, WA, March 1-5.
- 375 Schoenfeld, H.A., R. Radbourne, B.D. Goldstein, and G. Witz. 1996. Mechanistic studies on benzene toxicity: Formation of DNA-protein crosslinks induced by benzene in mice and muconaldehyde in HL60 cells. *Fundamentals of Applied Toxicology, Supplement: The Toxicologist* 30: 232.
- 376 Schoenfeld, H.A., O. Mirochnitchenko, B.D. Goldstein, and G. Witz. 1997. Effects of trans, trans-muconaldehyde, a hematotoxic benzene metabolite, on DNA-Protein crosslink levels and on apoptosis in mouse bone marrow cells. *Fundamentals of Applied Toxicology, Supplement: The Toxicologist* 36: 163.
- 377 Simon, D. 1998. Reuse and public participation at small DOE sites. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 378 Smith, A.G. 1998. Understanding risks to workers at the Savannah River Site (SRS). Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 379 Snodgrass J., and J. Burger 1998. Relationship among wetland hydroperiod, presence of fish and amphibian reproductive characteristics in depression wetlands of the southeast. Invited conference on Effects of Fisheries Management on the Amphibian and other Biota of Wilderness Lakes, October 16-18.
- 380 Snodgrass, J. 1996. IBI and other ecosystem measures. Risk and Environmental Management, SRS-CRESP. SREL, September 10-11.
- 381 Snodgrass, J.W., J. M. Aho, and J. Burger. 1997. Fish assemblage structure in a headwater stream 16 years after thermal effluent removal. *American Society of Ichthyologists and Herpetologists*. August.

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- 382 Snodgrass, J. 1997. IBI and ecological risk assessment. Rutgers University, March 13.
- 383 Snodgrass, J. 1997. IBI and other Ecosystem Measures. SRS-CRESP conference on Risk and Environmental Management at SREL, 10-11 September.
- 384 Snodgrass, J., and J. Burger. 1998. A bayesian approach to monitoring and assessment. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 385 Snodgrass, J., A.L. Bryan, Jr. and J. Burger. 1998. Development and validation of a model for assessing biological integrity of isolated wetlands at the Savannahh River site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 386 Snodgrass, J., J. Aho, J. Ackerman, and J. Burger 1998. Effects of l-lake on stream fish assemblages: Role of local habitat alterations. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 387 Snodgrass, J., J. Burger, G.K. Meffe and J.R. Karr. 1998. Influence of hydroperiod, isolation and heterospecifics on the distribution of aquatic salamanders (siren and amphiuma) among depression wetlands. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 388 Snodgrass, J.W., James R. Karr, Gary K. Meffee, and Joanna Burger. 1998. Landscape heterogeneity that may influence the index of biological integrity (lbi). Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 389 Snodgrass, J., D. Batzer, and J. Burger. 1998. Management of wetland fish populations: Population control and maintenance. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 390 Solitare, L. 1998. The Economic Benefits of Off-Site Investment at SRS. Annual Conference of the American Collegiate Schools of Planning, Pasadena, CA, November 7.
- 391 Solitare, L. 1998. The economic benefits of off-site investment at SRS. Annual Conference of the American Collegiate Schools of Planning, Pasadena, CA. November 7.
- 392 Soltare, L. 1998. Regional economic impact modeling: Environmental management, economic development, and accelerated cleanup. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 393 Stensel, H.D. 1996. Above ground bioreactor designs. Short course Hazardous Waste Solvents in Subsurface Environments: Transport, Risks, Remediation. CRESP, Seattle, WA, September 9-11.
- 394 Stensel, H. D, and M. Hrachovec. 1996. Sparged reactor for treatment of contaminated gases. Spectrum American Nuclear Society Annual Meeting '96. Seattle, WA, August 19-22.

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- 395 Stensel, H.D., and M. Hrachovec. 1997. Sparged reactor for treatment of contaminated gases. 4th International Symposium on In Situ and On-Site Bioremediation. New Orleans, LA, April 28-May 1.
- 396 Stensel, H.D., S. Zou, and J.F. Ferguson. 1998. Carbon tetrachloride removal from contaminated gases in a biological reactor. Spectrum American Nuclear Society Annual Meeting '98. Denver, CO, September 15.
- 397 Stern, A., M. Gochfeld and J. Burger. 1997. Methylmercury and potential exposure. American Occupational Health Conference, Boston.
- 398 Stout, J., J.Burger, R. Kennamer, and I.L. Brisbin, Jr. 1996. Mercury contamination in eggs of Wood Ducks from the Savannah River Site. American Ornithological Union, Boise, ID, August.
- 399 Stout, J.R., R.A. Kennamer, I.L. Brisbin, Jr., S.V. Colwell, M. Gochfeld and J. Burger. 1998. Mercury patterns in wood duck eggs and feathers from contaminated reservoirs of the Savannah River Site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 400 Takaro, T. . Beryllium sensitization at Hanford: Applying the sentinel case approach to improve exposure assessment. Third Annual University of Washington Conference on the Ecological, Community, and Occupational Health Issues at Hanford, November 2-3.
- 401 Takaro, T. 1996. Onsite (occupational) risk. Symposium on Risk. CRESP, Seattle, WA, May 15.
- 402 Takaro, T.K., K. Ertell, S.M. Bartell, R.A. Ponce, T. Ewers, E.M. Faustman, M. Salazar, and S. Barnhart. 1997. Improving the evaluation of risk to workers in the budget planning process at a former US nuclear production site. Annual Meeting of the International Society for Risk Analysis, Washington, DC, December 7-10.
- 403 Takaro, T.K., GT. Pappas, K. Durand, K. Ertell, L. Newman, and S. Barnhart. 1997. Screening for beryllium sensitization at Hanford. First Annual Health of the Hanford Site Conference, Richland, WA. December 3-4.
- 404 Takaro, T.K., L. Newman, K. Ertell, B. Stover, M. Knievel, and S. Barnhart. 1998. Beryllium bio-markers of exposure, susceptibility and effect. American Conference on Occupational Health, Boston, MA. April.
- 405 Takaro, T.K., K. Ertell, L. Newman, R.A. Ponce, and S. Barnhart. 1998. Beryllium lymphocyte transformation test as a biomarker of exposure in a large US DOE worker population. American Public Health Association Annual Meeting, Washington, DC. November.
- 406 Takaro, T., B. Stover, and S. Barnhart. 1998. Data sources for worker health and safety at hanford. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 407 Takaro, T.K., R.A. Ponce, E.M. Faustman, G.S. Omenn, and S.M. Bartell. 1998. Implications of uncertainty for establishing protection standards for beryllium. Society for Risk Analysis 1998 Annual Meeting. Phoenix, AZ, December 6-9.

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- 408 Takaro, T., K. Ertell, L. Newman, B. Stover, R. Ponce, E. Faustman, T. Kavanagh, and S. Barnhart. 1998. Screening for beryllium sensitization at Hanford. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 409 Upton, A.C. 1996. Health effects of ionizing radiation. Presented to State of New Jersey Public Health Council. Trenton, NJ, July.
- 410 Upton, A.C. 1996. Health effects of ionizing radiation. Fifth International Conference on Health and Environment; Global Partners for Global Solutions, United Nations. New York, NY, April.
- 411 Upton, A.C. 1996. Health effects of ionizing radiation. Symposium on Radiation Risk Communication. University of Washington, Seattle, WA, September 6.
- 412 Upton, A.C. 1996. Health effects of low-level ionizing radiation. CDC Technical Workshop on Calculating and Interpreting Doses for Individuals Exposed to Historical Releases from the Hanford Reservation. Seattle, WA, February.
- 413 Upton, A.C. 1996. Radiation carcinogenesis: Issues in risk assessment. Presented at International Life Sciences Institute. Washington, DC, December.
- 414 Upton, A.C. 1996. Radiation, genes, and cancer: Issues in risk assessment. Presented at Second Annual Biomedical & Biochemical Seminar Series. Chestnut Hill College, Philadelphia, PA, October.
- 415 Upton, A.C. 1996. Risks vs. hazards: The impact of low-level radioactive waste on human health and the environment. Conference on Weighing the Facts; Municipal Issues in Low-Level Radioactive Waste Management (League of Women Voters). Jamesburg, NJ, March.
- 416 Upton, A.C. 1996. Summary Overview. Communicating Risk in a Changing World, EOHSI. December.
- 417 Upton, A.C. 1997. Environmental health: Progress and prospects. University of Cincinnati. Cincinnati, OH, May.
- 418 Upton, A.C. 1997. Health effects of low-level ionizing radiation: A critical reappraisal. Symposium on Health Effects of Low Dose Rate Radiation, sponsored by American Physics Society and the American Society of Physicists in Medicine. Washington, DC, April.
- 419 Upton, A.C. 1997. Radiation risk assessment. Plasma Physics Laboratory. Princeton, NJ, January.
- 420 Upton, A.C. 1997. The Consortium for Risk Evaluation with Stakeholder Participation. Annual Meeting of the National Council on Radiation Protection and Measurements. Arlington, VA, April. 1997.

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- 421 Upton, A.C. 1998. Presentation. NRC Reactor Water Safety Meeting. Bethesda, MD, October 26.
- 422 van Belle, G., W.C. Griffith, B.W. Church, J. Moore, and M. Robkin. 1996. Statistical analysis of the 1996 DOE RDS data base. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. Session on "Approaches to Performing and Utilizing Risk Assessment at DOE Sites." New Orleans, LA, December 8-11.
- 423 van Belle, G. 1997. Toward openness and beyond. University of Washington, School of Public Health and Community Medicine, Department of Environmental Health, Seattle, WA, October 8.
- 424 Vredevoogd, M. 1997. Gene Expression Patterns as Potential Biomarkers of Heavy Metal Exposure in Terrestrial Ecosystems. Poster. First Annual Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 3-4.
- 425 Vredevoogd, M. E. Faustman. 1998. Gene expression patterns as potential biomarkers of heavy metal exposure in terrestrial ecosystems. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 426 Vyas, V.M., D.H. Berler, A. Skiadas, P.G. Georgopoulos, and D.S. Kosson. 1998. Background soil quality and relationships between surface and subsurface soil samples from the Savannah River Site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 427 Vyas, V.M., A. Roy, E. Massry, D.S. Kosson, and P.G. Georgopoulos. 1998. Defining background groundwater quality for the Savannah River Site. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 428 Waishwell L. 1997. Risk communication profile: Implications for outreach. SRS-CDC Health Effects Subcommittee. Charleston, SC, July 18.
- 429 Waishwell L. 1998. Risk Communication in the savannah river area: results of a telephone survey. American Nuclear Society topical meeting. Charleston, SC, September.
- 430 Waishwell L., and J. Burger. 1998. Sources of information to the citizens advisory board: Is risk relevant? Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 431 Waishwell, L. 1997. Coordinating citizens advisory groups for environmental issues. American Public Health Association Annual Convention. Indianapolis, IN, November.
- 432 Waishwell, L. 1997. Proposal strategies for coordinating citizen advisory boards. American Public Health Association (APHA). Indianapolis, IN, November 9-13.
- 433 Waishwell, L. 1997. Risk and risk communication. Savannah River Site Citizen's Advisory Board (SRS-CAB) Risk Management and Future Use Subcommittee. Atlanta, GA, January 27.

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- 434 Waishwell, L. 1997. Risk and risk communication. Presented to the SRS-CAB risk management and future use subcommittee. Hilton Head, SC, January.
- 435 Waishwell, L. 1997. Risk assessment. Presented at the disenfranchised and people of color environmental health summit. Waveland, MS, May.
- 436 Waishwell, L. 1997. Risk assessment. Environmental health summit. People of Color and Disenfranchised Communities. Waveland, MS, May.
- 437 Waishwell, L. 1997. Risk communication profile instrument results. Presented at the CDC-SRS health effects sub-committee. Charleston, SC, August.
- 438 Waishwell, L. 1997. Strategies for coordinating citizen advisory boards. American Public Health Association (APHA). Indianapolis, IN, November 9-13.
- 439 Waishwell, L., and D. Grace. 1998. Integration of public involvement into the research process. Presentation at IAP2 International Conference on Public Participation. October 3-7.
- 440 Waishwell, L., and K. Lowrie 1998. Newspaper coverage of SRS and Rocky Flats: A content analysis. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 441 Waishwell, L., and K. Lowrie. 1998. Reporting of Risk in Newspapers: A content analysis. Society for Risk Assessment, Phoenix, AZ., December, 1998.
- 442 Waishwell, L., and K. Lowrie. 1998. Reporting of risk in newspapers: An example of Content Analysis. Health of the Hanford Site 2nd annual conference. Richland, WA, November, 1998.
- 443 Waishwell, L., and K. Lowrie. 1998. Reporting of risk in newspapers: Content analysis. Tenth Conference of the International Society for Environmental Epidemiology, the Eighth Conference of the International Society of Exposure Analysis. Boston, MA, August 15-19.
- 444 Waishwell, L., and K. Lowrie. 1998. Reporting of risk in newspapers: Content analysis.. ISEE/ISEA Joint Conference. Boston, MA, August.
- 445 Waishwell, L. 1999. Basic of risk communication.. SRS-CDC future use subcommittee, Risk communication working group. Hilton Head, SC, February.
- 446 Waishwell, L. 1999. Opening remarks, earth day luncheon: The Consortium for Risk Evaluation with Stakeholder Participation and ToxRap. Citizens for environmental justice, Savannah, Georgia, April.

## CRESP Presentations, Posters, and Abstracts

- 447 Waishwell, L. 1999. Participatory research and stakeholder analysis in the environmental health field. Family health post-doctorate fellows research form, UMDNJ, New Brunswick, NJ, May.
- 448 Waishwell, L., and J. Burger. 2000. Communicating fish consumption risk along the Savannah River: Risk communication evaluation.. Society for Risk Assessment Annual Meeting.
- 449 Waishwell, L. 2000. Community/Stakeholder Involvement: What we've learned: 1980-2000. Environmental and Occupational Health Research at the Environmental and Occupational Health Sciences Institute 1980-2000.
- 450 Waishwell, L., A. Roy, V. Purushothaman, R. Berse, and P. Georgopoulos. 1999. Development of a user-friendly web-based tool to access information about DOE site conditions.. Health of the Hanford Site 3rd Annual conference. Richland, WA., November 1999
- 451 Walia, A. A. Roy, and P.G. Georgopoulos. 1996. Development and evaluation of an exposure and dose analysis system (EDMAS). Poster. Society of Environmental Journalists Mid-Atlantic Regional Conference and EOHSI Tenth Anniversary Celebration.
- 452 Walia, A., and P.G. Georgopoulos. 1997. An integrated microenvironmental exposure and dose modeling and analysis system with geographic information system components. 90th A&WMA Meeting. Toronto, June 10-13.
- 453 Walia, A., and P.G. Georgopoulos. 1997. Case studies demonstrating the integration of macro-and micro-environmental modeling using GIS for exposure assessments. 7th Annual Meeting of the ISEA. Research Triangle Park, NC, November.
- 454 Walia, A., and P.G. Georgopoulos. 1997. Integration of exposure and dose modeling with geographic information systems.nearc '97. Poster. Annual Northeast ARC Users Group Conference.
- 455 Walia, A., and P.G. Georgopoulos. 1998. Gridlib: A gis-based tool for linking macroenvironmental to microenvironmental models. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 456 Wartenberg, D. 1996. Understanding risk to workers at the Savannah River Site. Savannah River Site Citizens Advisory Board (SRS-CAB) Environmental Restoration and Waste Management Subcommittee. Augusta, GA, November.
- 457 Wartenberg, D. 1996. Understanding risk to workers at the Savannah River Site. Center for Disease Control (CDC) Health Effects Subcommittee. Atlanta, GA, October.
- 458 Wartenberg, D. 1997. An update on the possible tritium-leukemia link among workers at the Savannah River Site. Subcommittee of the SRS Citizens Advisory Committee. Augusta, Ga, March.
- 459 Wartenberg, D., and C. Drew. 1998. An index of harm for exposure to a combination of radiation and chemical pollutants. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.

## CRESP Presentations, Posters, and Abstracts

- 460 Wartenberg, D. 1998. Cancer mortality among radiation workers: A review of the literature. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 461 Wartenberg, D., and S. Brown. 1998. Rising winter precipitation at the Hanford nuclear reservation, Washington: possible implications for surface barrier performance. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 462 Wartenberg, D. 1999. An update of the Savannah River Site Worker mortality study. Subcommittee of the SRS Citizens Advisory Committee, Augusta, Ga. October.
- 463 Wartenberg, D. 1999. An update of the Savannah River Site worker mortality study. Subcommittee of the SRS Citizens Advisory Committee, Augusta, Ga. March.
- 464 Wartenberg, D. 1999. Results of the Savannah River Site worker mortality study. The SRS Citizens Advisory Committee, Charleston, SC. November.
- 465 White, C., S. Quigley, S. Kirchner, R. Ponce, E. Faustman, and T. Kavanagh. 1997. Analysis of gene expression by laser-induced fluorescence as a biomarker of risk from exposure to toxic and radiological hazards. University of Washington First Annual Conference on The Health of the Hanford Site: Current Challenges, Richland, WA, December 3-4.
- 466 Williams, B. 1997. Assessing environmental risk perception: The risk communication profile instrument. Annual meeting of the American Public Health Association (APHA). Indianapolis, IN.
- 467 Williams, B., S. Brown, and M. Greenberg. 1997. Socioeconomic factors associated with stakeholders' perceptions of environmental risk and trust. Society for Risk Analysis. Washington, DC.
- 468 Williams, B. 1997. Stakeholder identification and prioritization of communication channels for environmental public outreach in counties surrounding the Savannah River Site. Annual meeting American Public Health Association (APHA). Indianapolis, IN.
- 469 Williams, B., and B. Goldstein. 1998. Perception of time as a metric in risk characterization. Annual meeting of the Society for Risk Analysis, Phoenix, AZ.
- 470 Williams, B., S. Brown, K. Mokbul, and M. Greenberg. 1998. Socioeconomic determinants of neighborhood quality ratings among SRS residents. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 471 Wu, C., Ram A. Hashmonay, Doo-Yong Park, and Michael G. Yost. 1998. Development of a radial scanning beam configuration for identification of gas leak location with use of an OP-FTIR and computed tomographic technique. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 472 Wu, C.F., R.A. Hashmonay, R.S. Crampton, and M.G. Yost. 1999. Applying OP-FTIR with a radial beam geometry to locate a leak in indoor environments: improvements in temporal resolution. Poster. Annual American Industrial Hygien Conference & Exposition

## CRESP Presentations, Posters, and Abstracts

- 473 Wu, C.F., R.A. Hashmonay, R.S. Crampton, and M.G. Yost. 1999. Detection of ammonia distributions in outdoor environments using open path ftir and computed tomography. Poster. Annual Human Exposures to Environmental Contaminants Research Symposium
- 474 Wu, C.F., R.A. Hashmonay, R.S. Crampton, and M.G. Yost. 1999. Real time gas measurements in workplaces using open path ftir. Poster. Annual University of Washinton / University of British Columbia Semiahmoo Occupational and Environmental Health Conference
- 475 Yager, J.W., S.C. Kirchner, T.J. Kavanagh, and E.M. Faustman. 1999. Gene expression analyses in uroepithelial cells from an arsenate exposed worker population. Society of Toxicology Annual Meeting, New Orleans, LA, March 14-18
- 476 Yamaguchi, D. 1997. Metadata Tool: A Guide to Hanford Data, Poster. First Annual Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 3-4.
- 477 Yamaguchi, D., William Griffith, Stan Curtis, Alan Smith, Mary Ann Hawke, Charlie Hendricksen, S. Bartell, M. Robkin, T. Nyerges, E. Faustman, T. Takaro, D. Mercer, and D. Grace. 1998. Collaborative information exchanges: Frameworks to guide visualization, considerations for representing uncertainty. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 478 Yurkow E.J. 1998. Flow cytometric determination of metallothionein levels in human peripheral blood lymphocytes: Utility in environmental exposure assessment. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.
- 479 Zou, S., H.D. Stensel, and J.F. Ferguson. 1998. Biological treatment of carbon tetrachloride in soil vapor extraction contaminated gases. DNAPLES: Mobilization and Remediation Techniques of the International Conference on Decommissioning and Decontamination and on Nuclear and Hazardous Waste Management, Denver, CO. September 17.
- 480 Zou, S., H. D. Stensel, and J.F. Ferguson. 1998. Biological treatment of carbon tetrachloride in soil vapor extraction contaminated gases. Poster. CRESP 1998 Annual Meeting, Dingmans Ferry, Pa, June.

### ***CRESP Symposia, Workshops, and Stakeholder Events***

- 1 Burger, J., and S. Handel. 1996. Restoration on contaminated sites. Society of Ecological Restoration. Rutgers University, June 16-17.
- 2 Checkoway, H., T. Hamilton, S. Davis, and T. Takaro. 1998. Low-level ionizing radiation and human health effects: Perspectives from studies of Marshall Islanders, U.S. atomic veterans and Hanford thyroid disease cohorts, and implications of new NCI fallout data. CRESP, UW Health Sciences Building, Seattle, WA, January 18.
- 3 CRESP and UW Outreach and Communication Task Group. 1997. Hanford Openness Workshops #1, Stakeholder Event (US DOE Richland Operations Office and CRESP). Richland, WA, October.
- 4 CRESP and UW Outreach and Communication Task Group. 1997. Hanford Openness Workshops #2, Stakeholder Event (US DOE Richland Operations Office and CRESP). Portland, OR, November.

## CRESP Symposia, Workshops, and Stakeholder Events

- 5 CRESP and UW Outreach and Communication Task Group. 1997. Transportation working Group #1—Ecological health perspectives. (Discussion of ecological considerations of cross-complex transportation of nuclear waste by ecological health experts). Seattle, WA, October.
- 6 CRESP and UW Outreach and Communication Task Group. 1997. Transportation working group #2—Human health perspectives. (Discussion of human health considerations of cross-complex transportation of nuclear waste by human health experts). Seattle, WA, October.
- 7 CRESP and UW Outreach and Communication Task Group. 1997. Transportation working group #3—Regulatory perspectives. (Discussion of regulatory considerations of cross-complex transportation of nuclear waste by state and federal regulators). Seattle, WA, November.
- 8 CRESP and UW Outreach and Communication Task Group. 1997. Transportation working group #4—Local official and citizen/tribal Perspectives. (Discussion of citizen and local considerations of cross-complex transportation of nuclear waste). Seattle, WA, November.
- 9 CRESP and UW Outreach and Communication Task Group. 1997. Understanding risk: Native American contexts and the challenges to science. Symposium. Sponsored by CRESP at the Society for Risk Analysis Annual Meeting. December.
- 10 CRESP Outreach and Communication Task Group. 1998. Hanford Openness Workshop #4. US DOE Richland Operations Office and CRESP. Richland, WA, May, 18.
- 11 CRESP and UW Outreach and Communication Task Group. 1998. Hanford Openness Workshops #3, Stakeholder Event (US DOE Richland Operations Office and CRESP). Seattle, WA, February.
- 12 CRESP and UW Outreach and Communication Task Group. 1998. Hanford Openness Workshops #4, Stakeholder Event (US DOE Richland Operations Office and CRESP). Richland, WA, May 18.
- 13 CRESP UW Outreach and Communication Task Group. 1998. Risk Roundtable: Evaluating risk from a tribal perspective (a forum on risk for representatives of 22 tribes and state and national regulators). Confederated Tribes of the Umatilla Indian Reservation and CRESP. Pendleton, OR, January 26-29.
- 14 CRESP and UW Outreach and Communication Task Group. 1998. Transportation working group #5—Lay perspectives. 1998. (Discussion of impacts of cross-complex transportation of nuclear waste by uninvolved local citizens). Seattle, WA, February.
- 15 CRESP and UW Outreach and Communication Task Group. 1998. Transportation working group #6—Overview of perspectives. (Group discussion of findings from each of the prior discussions). Seattle, WA, February.
- 16 CRESP. 1995. Plutonium roundtable: Risks and solutions, A public education project on policy choices for nuclear weapons disposal. University of Washington. Seattle, WA, October 6.
- 17 CRESP. 1996. Advances in risk communication and risk assessment. Seattle, WA, February.

## CRESP Symposia, Workshops, and Stakeholder Events

- 18 CRESP. 1996. Enhancing the University of Washington's contribution to environmental problem solving: A symposium. May 14.
- 19 CRESP. 1996. Risk evaluation. Spectrum '96 Nuclear and Hazardous Waste Management International Topic Meeting. Seattle, WA, August 19.
- 20 CRESP. 1996. Symposium on Hanford risk. Environmental Radiation Studies Committee. University of Washington, Seattle, WA, May 15.
- 21 CRESP. 1997. Outreach Task Group meeting with stakeholders, tribal national representatives, and federal and state regulators: Review of "Improving DOE/EM risk information: Content and format". Richland, WA, April 16.
- 22 CRESP. 1997. Outreach Task Group meeting with stakeholders, tribal national representatives, and federal and state regulators: Review of the way risk is used in the Ten Year Plan. Richland, WA, April 16.
- 23 CRESP. 1997. Regional stakeholder and regulator meeting. Seattle, WA, January 15.
- 24 CRESP. 1997. Roundtable on improving DOE/EM risk information: A working meeting of tribes, stakeholders, and regulators. Seattle, WA, March.
- 25 EOHSI and CRESP. 1996. Restoration and contaminated sites. Workshop involving participants from several of the GCA groups. Piscataway, NJ, June 16-17.
- 26 Faustman, E.M., G.S. Omenn, J.M. Moore, and C. Powers. 1995. Tribal nations and CRESP at Hanford: Opportunities for collaboration. Workshop to establish a working relationship between the Yakama, Nez Perce, and the United Tribes of the Umatilla and CRESP. Seattle, WA, October 27.
- 27 Faustman, E.M., and R. Fenske. 1997. Risk-influenced decision making at DOE sites: Time for holistic thinking. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 13-18.
- 28 Ferguson, J.F., and H.D. Stensel. 1996. Remediation of solvents in subsurface environments. University of Washington, Seattle, WA, September 10-11.
- 29 Gochfeld, M. 1998. Biomarkers: New directions. Boston, MA, April 30.
- 30 Gochfeld, M. 1998. Protecting Hazardous Waste Workers. Boston, MA, April 28.

## CRESP Symposia, Workshops, and Stakeholder Events

- 31 Goldstein, B.D. 1996. Approaches to performing and utilizing risk assessment at DOE sites. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 32 Goldstein, B.D. 1996. Studies of bioavailability related to understanding risk at DOE sites. Society for Risk Analysis (SRA) and International Society for Exposure Assessment (ISEA) Joint Meeting. New Orleans, LA, December 8-11.
- 33 Grace, D. 1997. Regional stakeholder and regulator meeting. Seattle, WA, January 15.
- 34 Grace, D., E.M. Faustman, J. Lewis, and the Council for Energy Resource Tribes (CERT). 1997. Understanding risk: Tribal government issues in context. Society for Risk Analysis (SRA) Forum. Annapolis, MD, June 1-3.
- 35 Hawke, M.A., and R. Harrison, co-chairs. 1998. Soils and restoration. Society for Ecological Restoration, NW Chapter, Tacoma, WA. October 29.
- 36 Karr, J.R., E.W. Chu, and L. Westra. 1997. Ecological integrity: Moving from principle to practice. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 13-18.
- 37 Karr, J.R. 1998. Coordinated workshop, Training course: Biological monitoring and assessment; Using multimetric indexes effectively. Conference on Modeling and Measuring the Vulnerability of Ecosystems at Regional Scales for Use in Ecological Risk Assessment and Risk Management. Bell Harbor International Conference Center, Seattle WA, August 17-20.
- 38 Kern, M., and Hanford Openness Workshops Task Group. 1999. Tribal Openness Workshops, 1999 Hanford Openness Workshops #4, Spokane, WA, June 2. Spokane, WA.
- 39 Kissel, J.C., A. Bunge, S. Davis, S. Hanes, D. Layton, and T. McKone. 1997. Pathways of exposure to contaminants in surface soils: Do we know enough to know how clean is clean. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 13-18.
- 40 Kosson, D.S., and J. Nelson. 1997. Integrating risk, restoration and future use of the Savannah River Site (SRS). Workshop jointly sponsored by Department of Energy, Savannah River Site, Consortium for Risk Evaluation with Stakeholder Participation, Savannah River Ecology Laboratory Conference Center at SRS, September 10-11.
- 41 McGrath, L.F., R. Ponce, and J. Abbotts. 1998. Summary of meetings between CRESP and Hanford site risk managers. November.
- 42 Nyerges, T. 1997. Using Geographic Information Systems (GIS) to analyze risk. Society for Risk Analysis (SRA) Forum. Annapolis, MD, June 1-3.
- 43 Omenn, G.S. 1997. Behavioral and social science contributions to other health sciences: Contribution of behavioral and social sciences to public health. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 14.

## **CRESP Symposia, Workshops, and Stakeholder Events**

- 44 Omenn, G.S. 1997. Science-based risk management in regulatory agencies: Assessing Risk Commission recommendations. AMSIE '97 and American Association for the Advancement of Science (AAAS) Annual Meeting. Seattle, WA, February 15.
- 45 Takaro, T. 1996. On-site (occupational) risks. University of Washington, Seattle, WA, May 15.
- 46 Takaro, T., and A. Hagopian. 1997. Hanford: Health of the site. First Annual Health of the Hanford Site Conference: Current Challenges. Richland, WA, December 3-4.
- 47 Takaro, T., and D. Grace. 1997. Outreach Task Group meeting with stakeholders, tribal national representatives, and federal and state regulators; Review of OS&H sections of "Improving DOE/EM risk information: Content and format". Richland, WA, April 16.
- 48 Takaro, T., T. Engel, and D. Stensel. 1997. Scientific and engineering challenges in remediation of contaminated soil and groundwater. University of Washington Office of Research, Seattle, WA, May 29-30.

### ***CRESP Educational Courses Given***

- 1 Bartell, S.M. 1997. Decision analysis for public health. University of Washington Risk Assessment graduate course, Seattle, WA, November.
- 2 Bartell, S.M., and R.A. Ponce. 1997. The utility of decision analysis in evaluating biomarkers. Washington State Department of Health Seminar, Olympia, WA, March.
- 3 Bartell, S.M. 1998. Decision analysis for public health. University of Washington Risk Assessment graduate course, Seattle, WA, October.
- 4 Cooper, K., and J. Burger. 1998. Ecological risk strategies (short course). American College of Toxicology.
- 5 Faustman, E.M. 1996. Risk assessment: An accredited continuing education course with workshops on understanding risk assessment and its role in providing a framework for making environmental and occupational health decisions. University of Washington, Department of Environmental Health. Seattle, WA, February 23.
- 6 Faustman, E.M., and G.S. Omenn. 1997. ENVH 577, CEWA 560, and PBAF 577: Risk assessment 1982 to present. University of Washington, Department of Environmental Health. Seattle, WA.
- 7 Faustman, E.M., S.M. Bartell, and T.A. Lewandowski. 1998. Incorporating scientific information into quantitative risk assessment: Challenges and options. National Research Center for Statistics and Environment Seminar, University of Washington, Seattle, WA, April.

## CRESP Educational Courses Given

- 8 Fenske, R. 1996. Advances in risk communication. University of Washington, Department of Environmental Health. Seattle, WA, February 22.
- 9 Kalman, D., H.D. Stensel, J.W. Massmann, J.F. Ferguson, and M. Benjamin. 1996. Hazardous waste solvents in subsurface environments: Transport, risks, and remediation. University of Washington, Department of Environmental Health. Seattle, WA, September 9-10.
- 10 Upton, A.C. 1995. Radiation & health effects. CORE 5531, Principles of Environmental Health, October.
- 11 Upton, A.C. 1995. The health effects of ionizing radiation. In course understanding radioactive waste and public health concerns. University of Washington School of Public Health and Community Medicine, Seattle, WA, September.
- 12 Upton, A.C. 1996. Carcinogenic Effects of ionizing radiation: Issues in risk assessment. Occupational Medicine Residency Seminar Series. January.
- 13 Upton, A.C. 1996. Radiation and health effects. CORE 5531, Principals of Environmental Health, October.
- 14 Upton, A.C. 1997. Health effects of radiation. General Toxicology II. EOHSI. March.
- 15 Upton, A.C. 1997. Ionizing and nonionizing radiation hazards. Advanced principles of occupational Health. EOHSI, December.

### ***CRESP Public Education Information and Newsletters***

- 1 Burger, J. 1998. Eating fish from the Savannah River. Fact sheet sponsored by the South Carolina Department of Health and Environmental Control, Georgia Department of Natural Resources and the U.S.E.P.A.
- 2 Chu, E.W. 1997. CRESP Quarterly: The CRESP-UW Newsletter. Seattle, WA.
- 3 Chu, E.W. 1997. Environmental Health News. (Entire issue on risk, including a separate story on CRESP). Department of Environmental Health, University of Washington, Seattle, WA, Winter.
- 4 Chu, E.W., and L. Waishwell. 1998. What is CRESP? (Brochure for CRESP public information packet). CRESP UW and CRESP EOHSI, Seattle, WA and Piscataway, NJ.

## CRESP Public Education Information and Newsletters

- 5 CRESP. 1996. The Hanford Site: Many voices, many values, many goals -- understanding risk data sheets used in the budget formulation for 1997-8. March.
- 6 CRESP. 200X. Health Effects Quarterly Reports. Savannah River Site (SRS) Center for Disease Control (CDC).
- 7 CRESP. 200X. Health Effects Quarterly Reports. Savannah River Site (SRS) Center for Disease Control (CDC).
- 8 CRESP. 200X. Update, SRS Bimonthly Newsletter.
- 9 Grace, D. 1998. CRESP UPDATE: Hanford. Spring. Seattle, WA: University of Washington.
- 10 Grace, D. 1999. CRESP UPDATE: Hanford. Winter, Seattle, WA: University of Washington.
- 11 Kern, M. 1999. CRESP UPDATE: Hanford. Spring, Seattle, WA: University of Washington.
- 12 Kern, M. 1999. CRESP Update: Hanford. Fall. Seattle, WA: University of Washington.
- 13 Kern, M. 1999. CRESP UPDATE: Hanford. Summer. Seattle, WA: University of Washington.

### ***CRESP Dissertations or Theses Completed***

- 1 Bartell, S.M. 1996. Estimation of childhood soil ingestion rates with biomonitoring data from soil remediation studies. University of Washington Department of Environmental Health, Seattle, WA.
- 2 Brutlag J. 1999. Statistical approaches to distinct value estimation. Seattle, WA: University of Washington.
- 3 Farr, C. 1998. Gene expression as a biomarker of mercury exposure in raccoons for the Savannah River nuclear weapons facility". University of Washington, Department of Environmental Health, Seattle, WA.

## CRESP Dissertations or Theses Completed

- 4 Garlock, T. 1997. Effects of activity patterns on assessment of dermal exposure to Contaminated Soils. University of Washington Department of Environmental Health.
- 5 Guglielmo, A.T. 1998. Nuclear waste, democracy and risk: A procedural evaluation of the Columbia River comprehensive impact assessment. University of Washington, School of Marine Affairs, Seattle, WA.
- 6 Holmes, K. 1996. Characterization of soil adherence to skin. University of Washington Department of Environmental Health.
- 7 Hrachovec, M. 1997. Treatment of hazardous waste site vapor extraction off-gases: Design, uncertainty, reliability, and cost. University of Washington.
- 8 Kim, E. 1998. Size resolved particle deposition measurement: Method development an wind tunnel studies. University of Washington, June 10.(defense date)
- 9 Massry, I.W. 1997. The impact of micropore diffusion on contaminant transport and biodegradation rates in soils and aquifer materials. Rutgers, the State University of New Jersey.
- 10 Mayer, H. 1999. The Environmental and Economic Impact: Nuclear Missions in Rural Communities. Dissertation completed in Urban Planning, Rutgers University, New Brunswick, NJ.
- 11 Mercer, D.G. 1999. The nature of fairness: What the biggest land cleanup project in the world history has to say about the culture of American environmental management. University of Washington Graduate School, Seattle, Washington.
- 12 Moore, R. 1996. World Wide Web tools for collaborative development of a Geographic Information System Database for the Consortium for Risk Evaluation with Stakeholder Participation. University of Washington, June 5.
- 13 Simon, D. 2000. Public participation in reuse and remediation decisions at DOE FUSRAP, UMTRA and small sites, Dissertation in urban planning, Rutgers University, New Brunswick, NJ. May.
- 14 Stout, J. 1997. Mercury in Wood Duck Eggs. Rutgers University.
- 15 Vredevoogd, M. 1998. Gene expression patterns as potential biomarkers of heavy metal exposure in terrestrial ecosystems. University of Washington, Department of Environmental Health, Seattle, WA.
- 16 Wawrukiewicz, A. 1997. Validation studies of two-dimensional Monte Carlo modeling of children's residential exposures to arsenic and pesticides in soil. University of Washington Department of Environmental Health.

## CRESP Dissertations or Theses Completed

- 17 Wong E.Y. 1999. Use of children's activity patterns in dermal soil exposure assessment. Seattle, WA: University of Washington.
- 18 Wu, C.F. 1998. Evaluating a radial beam geometry for mapping indoor air contaminants: OP-FTIR application to locate a leak in indoor environments.. Master's Thesis, University of Washington

### ***CRESP Computer Programs Developed***

- 1 CRESPI- UW Social, Land Use, Demographic, Geographic and Economic Task Group. 1997. REMI (Regional Economic Model), 14 Sector, 9 Regions.
- 2 CRESPI-UW Data Characterization and Statistics Task Group. 1997. CREAT. (A Web-based Tool for facilitating stakeholder, regulator, and DOE access to risk and Hanford information and discourse).
- 3 CRESPI-UW Social, Land Use, Demographic, Geographic and Economic Task Group. 1997. REMI (Regional Economic Model), 53 Sector, 9 Regions - SRS model.
- 4 Hendrikson, C. 1997. DocReview 2.2: Document annotation system. April 8.
- 5 Smith, A., T. Nyerges, and C. Farr. 1997. RAIT 1.0: Risk assessment inventory tool. June.
- 6 Yost, M. 1997. Source code (FORTRAN) for inversion calculation of source location and strength from downwind data.

### ***CRESP Questionnaires and Instruments Utilized***

- 1 Burger, J. 1996. Attitudes and perceptions of fishermen using the Savannah River.
- 2 Burger, J., J. Sanchez, W. Gibbons, and M. Gochfeld. 1996. Attitudes and perceptions of hunters and fishermen toward recreational use, environmental problems, and future land use of SRS.
- 3 CRESPI and UW Outreach and Communication Task Group. 1997. Intake survey for League of Women Voters' national dialogue pilot workshops. October.
- 4 Kissel, J.C., and T. Garlock. 1996. Telephone survey of activities relevant to contact with soils.

## CRESP Questionnaires and Instruments Utilized

- 5 Lowrie, K. 1996. Interview of land use stakeholders in SRS region. Spring.
- 6 Lowrie, K. 1996. Planners' survey. Fall.
- 7 Lowrie, K., and L. Waishwell. 1997. Content Analysis Coding Sheet. Fall
- 8 Lowrie, K. 1997. Fiscal Officers' Survey. Summer.
- 9 Lowrie, K., 1999. Interviews with Planners near major DOE sites. Spring.
- 10 Mayer, H. 1996. Questionnaire - companies located in SRS area. Fall.
- 11 Mayer, H. 1998. Interviews with Economic Development Officials near SRS, Hanford and INEEL. Fall.
- 12 Sanchez, J., and J. Burger. 1995. Perceptions of Crackerneck hunters. Fall.
- 13 Simon, D. 1998. Survey of local officials near DOE FUSRAP facilities. Summer.
- 14 Williams, B.L., and Sylvia R. Brown. 1996. Interviewer training materials for a descriptive analysis of factors related public education, outreach and risk communication at SRS. Training Materials for Administration of Risk Communication Profile Instrument
- 15 Williams, B., M. Greenberg, and S. Brown. 1997. Risk communication profile instrument (RCPI).

### ***CRESP In Progress Manuscripts***

- 1 Alexander, B.H., H. Checkoway, P. Costa-Mallen, E.M. Faustman, J.S. Woods, K.T. Kelsey, C. van Netten, and L.G. Costa. 200X. Interaction of blood lead and d-aminolevulinic acid dehydratase genotype on markers of heme synthesis and sperm production in lead smelter workers.

## CRESP In Progress Manuscripts

- 2 Bartell, S.M., Shirai, J., and J. Kissel. 200X. Estimation of soil ingestion rates from observed blood lead loss following soil remediation.
- 3 Bartell, S.M., R.A. Ponce, R.C. Lee, G.S. Ommen and E.M. Faustman. 200X. Evaluation of biomarkers for use in risk assessment and decision-making; the value-of- information framework.
- 4 Bartell, S.M., C.J. Lewis, K.R. Campbell, and J. Burger. 200X. Terrestrial and ecosystem risk methodology that can be used to assess ecological risk on U.S. Department of Energy sites.
- 5 Cooper, K., J. Burger, A. Skiadas, A. Roy, and P.G. Georgopoulos. 200X. Development of an integrated food web model coupled with macroenvironmental and microenvironmental transport and fate modeling.
- 6 Faustman, E.M., S. Bartell, T.G. Ewers, M. Greenberg, C.W. Powers, and J.A. Moore. 200X. Incorporation of toxicity information in U.S. Department of Energy hazardous waste prioritization models. April, 11.
- 7 Faustman, E.M., S.M. Bartell, T.G. Ewers, R.A. Ponce, M. Greenberg, C.W. Powers, and J.A. Moore. 200X. The DOE's risk data sheet and relative ranking evaluation framework: Tools for environmental risk evaluation.
- 8 Fenske, R., and D. Mercer. 200X. Visions of Hanford: Competing values in future land use planning and risk evaluation.
- 9 Handel, S.N., R. Sharitz, and J. Burger. 200X. Use of plant ecotypes as potential bioassays for restoration of degraded land at Savannah River Site.
- 10 Hawke, M.A., and J.R. Karr. 200X. Changes in microbiotic soil crust associated with human induced disturbance at the Hanford reservation, Washington.
- 11 Hawke, M.A., J.R. Karr, and L.S. Fore. 200X. Disturbance and terrestrial vegetation at INEEL, Idaho.
- 12 Hawke, M.A., J.R. Karr, and L.S. Fore. 200X. Measuring the effects of human activities on terrestrial vegetation at the Hanford reservation, Washington.
- 13 Kern, M., T. Martin, D. Grace, and E. Faustman. 200x. Integrating stakeholders into academic research: Case studies from the Consortium for Risk Evaluation with Stakeholder Participation's work at the Hanford nuclear site.
- 14 Kern, M., T. Martin, D. Grace, M.L. Blazek, G. deBruler, A. Gordon, D. Larson, M. Power, E. Faustman. 200x. The Hanford Openness Workshops: Fostering open and transparent decision making at the Department of Energy.

## CRESP In Progress Manuscripts

- 15 Kimberling, D.N., M.A. Hawke, J.R. Karr, and L.S. Fore. 200X. Disturbance gradients and the responses of plants and insects.
- 16 Kirchner, S.C., S.W. Hong, K.E. Hunt, J.S. Woods, T.J. Kavanagh, and E.M. Faustman. 200X. Feasibility of uroepithelial cells to identify molecular biomarkers of heat stress.
- 17 Kirchner, S.C. 200X. Gene expression changes in individuals exposed to heat stress.
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