

BIBLIOGRAPHY

1. Published papers:

- 1 Smith, G. D., Donelan (**Rostad**), C. E., and Barden, R. E., 1977, Oil-continuous microemulsions composed of hexane, water, and 2-propanol: *Journal of Colloid and Interface Science*, v. 60, no. 3, p. 588-496.
- 2 Pereira, W. E., **Rostad**, C. E., and Taylor, H. E., 1980, Mount St. Helens, Washington, 1980 volcanic eruption: Characterization of organic compounds in ash samples: *Geophysical Research Letters*, v. 7, no. 11, p. 953-954.
- 3 Pereira, W. E., **Rostad**, C. E., Steinheimer, T. R., and Johnson, S. M., 1981, Characterization of organic compounds associated with weathered, surface-retorted oil shales: *Journal of Environmental Science and Health*, v. 16, no. 6.
- 4 Pereira, W. E., **Rostad**, C. E., Taylor, H. E., and Klein, J. M., 1982, Characterization of organic contaminants in environmental samples associated with Mount St. Helens, 1980 volcanic eruption: *Environmental Science and Technology*, v. 16, p. 387-396.
- 5 McKnight, D. M., Pereira, W. E., **Rostad**, C. E., and Stiles, E. A., 1983, Effect of retorted-oil shale leachate on a blue-green alga (*Anabaena flow-aquae*): *Bulletin Environmental Contamination and Toxicology*, v. 30, p. 6-16.
- 6 Pereira, W. E., and **Rostad**, C. E., 1983, Chemical characterization of organic compounds in leachates from surface-retorted oil shale generated by gas combustion and indirect pyrolysis: *International Journal of Environmental Analytical Chemistry*, v. 15, p. 73-88.
- 7 Pereira, W. E., **Rostad**, C. E., Garbarino, J. R., and Hult, M. F., 1983, Ground-water contamination by organic bases derived from coal-tar wastes: *Environmental Toxicology and Chemistry*, v. 2, p. 283-294.
- 8 Pereira, W. E., and **Rostad**, C. E., 1983, Terpenoid marker compounds derived from biogenic precursors in Mount St. Helens volcanic ash: *Geochimica et Cosmochimica Acta*, v. 47, no. 12, p. 2287-2291.
- 9 Pereira, W. E., and **Rostad**, C. E., 1984, Geochemical studies of organic carbon associated with volcanic ash from Mount St. Helens Washington: U.S. Geological Survey Water-Supply Paper 2262, "Selected Papers in the Hydrologic Sciences" p. 13-23.
- 10 **Rostad**, C. E., Pereira, W. E., and Ratcliff, S. M., 1984, Isolation of organic compounds from groundwater using bonded-phase extraction columns: U.S. Geological Survey Open-File Report 84-466, chap. F., 11 p.
- 11 Pereira, W. E., and **Rostad**, C. E., 1984, Geochemical investigations of organic contaminants in the subsurface at a creosote works, Pensacola, Florida: U.S. Geological Survey Open-File Report 84-466, chap. E., 12 p.
- 12 Bennett, J. L. , Updegraff, D. M., Pereira, W. E., and **Rostad**, C. E., 1984, Microbial transformations of quinoline in soil at a hazardous waste site near Pensacola Florida: U.S. Geological Survey Open-File Report 84-466, chap. D., 10 p.
- 13 **Rostad**, C. E., Pereira, W. E., and Ratcliff, S. M., 1984, Bonded-phase extraction column isolation of organic compounds in ground water at a hazardous waste site: *Analytical Chemistry*, v. 56, no. 14, p. 2856-2860.

1. Published papers (continued)

- 14 Pereira, W. E., **Rostad**, C. E., and Sisak, M. E., 1985, Geochemical investigations of polychlorinated dibenzo-p-dioxins in the subsurface environment at an abandoned wood-treatment facility: *International Journal of Environmental Toxicology and Chemistry*, v. 4, p. 629-639.
- 15 Bennett, J. L., Updegraff, D. M., Pereira, W. E., and **Rostad**, C. E., 1985, Isolation and identification of four species of quinoline-degrading pseudomonads from a creosote-contaminated site at Pensacola, Florida: *Microbios Letters*, v. 29, p. 147-154.
- 16 **Rostad**, C. E., Pereira, W. E., and Hult, M. F., 1985, Partitioning studies of coal-tar constituents in a two-phase contaminated ground-water system: *Chemosphere*, v. 14, no. 8, p. 1023-1036.
- 17 **Rostad**, C. E., and Pereira, W. E., 1986, Kovats and Lee retention indices by gas chromatography/mass spectrometry for organic compounds of environmental interest: *Journal of High Resolution Chromatography and Chromatography Communications*, v. 9, p. 328-334.
- 18 **Rostad**, C. E., Pereira, W. E., and Ratcliff, S. M., 1986, Bonded-phase extraction column isolation of organic compounds in ground water at a hazardous waste site: U.S. Geological Survey Water-Supply Paper 2285, chap. F., p. 41-47.
- 19 Pereira, W. E., and **Rostad**, C. E., 1986, Geochemical investigations of organic contaminants in the subsurface at a creosote works, Pensacola, Florida: U.S. Geological Survey Water-Supply Paper 2285, chap. E., p. 33-40.
- 20 Bennett, J. L., Updegraff, D. M., Pereira, W. E., and **Rostad**, C. E., 1986, Microbial transformations of quinoline in soil at a hazardous waste site near Pensacola, Florida: U.S. Geological Survey Water-Supply Paper 2285, chap. D., p. 27-31.
- 21 Pereira, W. E., and **Rostad**, C. E., 1986, Investigations of organic contaminants derived from wood-treatment processes in a sand and gravel aquifer near Pensacola, Florida: U.S. Geological Survey Water-Supply Paper 2290, p. 65-80.
- 22 Pereira, W. E., and **Rostad**, C. E., 1987, Fate and movement of azaarenes and their anaerobic biotransformation products in an aquifer contaminated by wood-treatment chemicals: *International Journal of Environmental Toxicology and Chemistry*, v. 6, p. 163-176.
- 23 **Rostad**, C. E., and Pereira, W. E., 1987, Bioconcentration of creosote compounds in snails obtained from Pensacola Bay, near an onshore hazardous-waste site, *in* Averett, R., C., and D. M. McKnight, eds., *Chemical quality of water and the hydrologic cycle*: Michigan, Lewis Publishers, Inc., 330 p.
- 24 Pereira, W. E., **Rostad**, C. E., Updegraff, D. M., Bennett, J. L., 1987, Anaerobic microbial transformations of azaarenes in ground water at hazardous waste sites, *in* Averett, R. C., and D. M. McKnight, eds., *Chemical quality of water and the hydrologic cycle*: Michigan, Lewis Publishers, Inc., 330 p.
- 25 **Rostad**, C. E., and Pereira, W. E., 1987, Creosote compounds in snails obtained from Pensacola Bay, Florida, near an onshore hazardous waste site: *Chemosphere*, v. 16(10-12), p. 2397-2404.

1. Published papers (continued)

- 26 Pereira, W. E., **Rostad**, C. E., Chiou, C. T., Brinton, T. I., Barber, L. B., II, Demcheck, D. K., Demas, C. R., 1988, Contamination of estuarine water, biota, and sediment by halogenated organic compounds: A field study. *Environmental Science and Technology*, v. 22, no. 7, p. 772-778.
- 27 Pereira, W. E., **Rostad**, C. E., Leiker, T. J., Updegraff, D. M., and Bennett, J. L., 1988 Microbial hydroxylation of quinoline in contaminated ground water: Evidence for incorporation of the oxygen atom of water: *Applied and Environmental Microbiology*, v. 54, no. 3, p. 827-829.
- 28 **Rostad**, C. E., and Pereira, W. E., 1988, Determination of halogenated organic compounds in estuarine biota and sediments by chemical ionization tandem mass spectrometry, *in* Mallard, G. E., ed. U.S. Geological Survey Toxic Substances Hydrology Program--Surface-Water Contamination: Proceedings of technical meeting, Denver, Colorado, February 2-4, 1987: U.S. Geological Survey Open-File Report 87-764, p. 85.
- 29 Pereira, W. E., **Rostad**, C. E., and Chiou, C. T., 1988, Contamination of estuarine sediments, water and biota by halogenated organic compounds, Calcasieu River estuary, Louisiana, *in* Mallard, G. E., ed. U.S. Geological Survey Toxic Substances Hydrology Program--Surface-Water Contamination: Proceedings of technical meeting, Denver, Colorado, February 2-4, 1987: U.S. Geological Survey Open-File Report 87-764, p. 87-97.
- 30 Pereira, W. E., **Rostad**, C. E., Updegraff, D. M., and Bennett, J. L., 1988 Microbial transformations of azaarenes in creosote-contaminated soil and groundwater: laboratory and field studies: *Water Science Technology*, vol. 20, no. 11-12, p17-23.
- 31 Pereira, W. E., **Rostad**, C. E., R. Keck, and Chiou, C. T., 1989, Distribution of organic compounds in the lower Calcasieu River, Louisiana, with special emphasis on haloarenes, *in* Demas, C. R. , ed, Reconnaissance study of water and bottom material quality in the lower Calcasieu River, southwestern Louisiana, May 29-30, 1985, U.S. Geological Survey, Water-Resources Investigations Report 88-4089, Ch. D, p35-51.
- 32 **Rostad**, C. E., and Pereira, W. E., 1989, Analysis of chlorinated organic compounds in estuarine biota and sediments by chemical ionization tandem mass spectrometry: *Biomedical and Environmental Mass Spectrometry*, vol. 18, p. 464-470.
- 33 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1989, Preliminary assessment of the fate and transport of synthetic organic agrochemicals in the lower Mississippi River and its tributaries *in* Mallard, G. E., and Ragone, S. E., eds., U.S. Geological Survey, Proceedings of the technical meeting, Phoenix, Arizona, September 26-30, 1988: U.S. Geological Survey, Water-Resources Investigations Report 88-4220, p453-464.
- 34 Pereira, W. E., **Rostad**, C. E., and Chiou, C. T., 1989, Bioconcentration of hydrophobic organic compounds in stream biota in the Calcasieu River estuary, *in* Mallard, G. E., and Ragone, S. E., eds., U.S. Geological Survey, Proceedings of the technical meeting, Phoenix, Arizona, September 26-30, 1988: U.S. Geological Survey, Water-Resources Investigations Report 88-4220, p612.
- 35 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1989, Determination of Herbicides and their degradation products in surface waters by gas chromatography/positive chemical ionization/tandem mass spectrometry: *Biomedical and Environmental Mass Spectrometry*, v. 18, p. 820-827.

1. Published papers (continued)

- 36 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1990, Determination of trace levels of herbicides and their degradation products in surface and ground waters by gas chromatography-ion trap mass spectrometry: *Analytica Chimica Acta*, v. 228, p. 69-75.
- 37 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1990, Distribution of agrochemicals in the lower Mississippi River and its tributaries: *Science of the Total Environment*, v. 97/98, p41-53.
- 38 Pereira, W. E. and **Rostad**, C. E., 1990, Occurrence, distribution and transport of herbicides and their degradation products in the lower Mississippi River and its tributaries: *Environmental Science & Technology* v. 24. no. 9, p1400-1406.
- 39 **Rostad**, C. E., and Pereira, W. E., 1991, Distribution of selected anthropogenic organic compounds on suspended sediment in the Mississippi River, *in* Mallard, G. E., ed. U.S. Geological Survey Toxic Substances Hydrology Program--Surface-Water Contamination: Proceedings of technical meeting, Monterey, California, March 11-15, 1991: U.S. Geological Survey Water-Resources Investigations Report 91-4034, p. 347-348.
- 40 Field, J. A., Barber, L. B., II, Leenheer, J. A., **Rostad**, C. E., and Thorn, K. A., 1991, Persistence of linear alkylbenzenesulfonates and their metabolites in sewage-contaminated ground water, *in* Mallard, G. E., ed. U.S. Geological Survey Toxic Substances Hydrology Program--Surface-Water Contamination: Proceedings of technical meeting, Monterey, California, March 11-15, 1991: U.S. Geological Survey Water-Resources Investigations Report 91-4034, p. 116-122.
- 41 Leiker, T. J., **Rostad**, C. E., Barnes, C. R., 1991, A reconnaissance study of halogenated organic compounds in catfish from the lower Mississippi River and its major tributaries: Proceedings of the American Water Resources Association Symposium: Resource Development of the Lower Mississippi River (September 1991), p. 185- 194.
- 42 Leiker, T. J., **Rostad**, C. E., Barnes, C. R., and Pereira, W. E., 1991, A reconnaissance study of halogenated organic compounds in catfish from the lower Mississippi River and its major tributaries: *Chemosphere*, v. 23, no. 7, p817-829.
- 43 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1992, Synthetic organic agrochemicals in the lower Mississippi River and its major tributaries: Distribution, transport and fate: *in* Macalady, D.L. (Editor), *Chemical Mediation of Pollutant Transport in Aqueous Systems*, *Journal of Contaminant Hydrology*, v. 9, p. 175-188.
- 44 Field, J. A., Leenheer, J. A., Thorn, K. A., Barber, L. B., II, **Rostad**, C. E., Macalady, D.L., and Daniel, S. R., 1992, Identification of persistent anionic surfactant-derived chemicals in sewage effluent and groundwater: *in* Macalady, D.L. (Editor), *Chemical Mediation of Pollutant Transport in Aqueous Systems*, *Journal of Contaminant Hydrology*, v. 9, p. 55-78.
- 45 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1994, Distribution and transport of selected anthropogenic organic compounds on Mississippi River suspended sediment, May-June 1988: *Journal of Contaminant Hydrology*, v. 16, p. 175-199.
- 46 Leenheer, J.A., Barber, L.B., **Rostad**, C.E., and Noyes, T.I., 1995, Data on natural organic substances in dissolved, colloidal, suspended silt, and -clay and bed-sediment phases in the Mississippi River and some of its tributaries, 1991-92, U.S. Geological Survey Water-Resources Investigations Report 94-4191, 47 p.

1. Published papers (continued)

- 47 Pereira, W. E., Moody, J.A., Hostettler, F.D., **Rostad**, C. E., and Leiker, T. J., 1995, Concentrations and mass transport of pesticides and organic contaminants in the Mississippi River and some of its tributaries, 1987-89 and 1991-92, U.S. Geological Survey Open-File Report 94-376, 169 p.
- 48 **Rostad**, C.E., Bishop, L.M., Ellis, G.S., Leiker, T.J., Monsterleet, S.G., and Pereira, W.P., 1995, Polychlorinated biphenyls and other synthetic organic contaminants associated with sediments and fish in the Mississippi River, *in* Contaminants in the Mississippi River, 1987-92, U.S. Geological Survey Circular 1133, p. 102-113.
- 49 Ellis, G.S., Huckins, J.N., **Rostad**, C.E., Schmitt, C.J., Petty, J.D., and MacCarthy, P., 1995, Evaluation of lipid-containing semipermeable membrane devices for monitoring organochlorine contaminants in the Upper Mississippi River, *Environmental Toxicology and Chemistry*, v. 14, no. 11, p. 1875-1884.
- 50 **Rostad**, C.E., Monsterleet, S.G., Bishop, L.M., Ellis, G.S., 1996, Organic carbon associated with suspended silt and colloid from the Mississippi River and some of its tributaries, July 1991-May 1992, *in* Morganwalp, D.W., and Aronson, D.A., eds., U.S. Geological Survey Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Colorado Springs, Colorado, September 20-24, 1993: U.S. Geological Survey Water-Resources Investigations Report 94-4015, Vol. 2, p. 825-830.
- 51 Ellis, G.E., and **Rostad**, C.E., 1996, Isolation of lipophilic organic contaminants along the Upper Mississippi River using a semipermeable membrane device, *in* Morganwalp, D.W., and Aronson, D.A., eds., U.S. Geological Survey Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Colorado Springs, Colorado, September 20-24, 1993: U.S. Geological Survey Water-Resources Investigations Report 94-4015, Vol. 1, p. 381-384.
- 52 **Rostad**, C.E., 1997, From the 1988 Drought to the 1993 Flood: Transport of halogenated organic compounds with the Mississippi River suspended sediment at Thebes, Illinois, *Environmental Science & Technology*, v. 31, p. 1308-1312.
- 53 **Rostad**, C.E., Leenheer, J.A., and Daniel, S.R., 1997, Organic Carbon and Nitrogen Content Associated with Colloids and Suspended Particulates from the Mississippi River and some of its Tributaries, from above Minneapolis to below New Orleans, *Environmental Science and Technology*, v. 31, p. 3218-3225.
- 54 **Rostad**, C.E., Sullivan, J.F., Hrinko, D.E., Bishop, L.M., Moody, J.A., 1997, Organochlorine compounds, Chapter 3 in Moody, Hydrologic, sedimentologic, and chemical data describing surficial bed sediments and water in the navigation pools of the Upper Mississippi River, July 1991-April 1992, U.S. Geological Survey Open-File Report 95-708, p. 73-108.
- 55 **Rostad**, C.E., 1997, Concentration and transport of chlordane and nonachlor associated with suspended sediment in the Mississippi River, May 1988 to June 1990, *Archives of Environmental Contamination and Toxicology*, 33,369-377.
- 56 **Rostad**, C.E., Rees, T.F., and Daniel, S.R., 1998, Colloid particle sizes in the Mississippi River and some of its tributaries, from Minneapolis to below New Orleans, *Hydrological Processes*, 12/1, 25-41.

2. USGS Director's approval but not yet published:

- 57 **Rostad**, C.E., Bishop, L.M., Ellis, G.E., Leiker, T.J., Monsterleet, S.G., and Pereira, W.E., in press, Organic contaminants on suspended sediment collected during five cruises of the Mississippi River and its principal tributaries, May 1988 to June 1990, U.S. Geological Survey Open-File Report 93-360.
- 58 Bishop, L.M., **Rostad**, C.E., Pereira, W.E., Leiker, T.J., in press, Data for selected organic contaminants in the Mississippi and Ohio Rivers near their confluence, June 1989 and May-June 1990, U.S. Geological Survey Open-File Report 93-371.

3. Abstracts:

- 1 Donelan (**Rostad**), C. E., and Smith, G. D., 1976, Are there structured solutions containing only hexane, water, and 2-propanol? ACS Rocky Mountain Regional Meeting, Laramie, Wyo.
- 2 **Rostad**, C. E., Pereira, W. E., and Taylor, H. E., 1981, Organic contaminants in ash, water, and sediment samples associated with Mount St. Helens, 1980 volcanic eruption: 23rd Rocky Mountain Conference, Denver, Colorado.
- 3 Pereira, W. E., **Rostad**, C. E., Steinheimer, T. R., and Johnson, S. M., 1981, Characterization of organic compounds associated with weathered, surface-retorted oil shales using capillary gas chromatography/mass spectrometry/ computer techniques: 23rd Rocky Mountain Conference, Denver, Colorado.
- 4 **Rostad**, C. E., and Pereira, W. E., 1982, Characterization of organic compounds in groundwater contaminated by coal-tar wastes using gas chromatography/mass spectrometry/computer techniques: 24th Rocky Mountain Conference, Denver, Colorado.
- 5 McKnight, D., Pereira, W. E., **Rostad**, C. E., and Stiles, E., 1982, Toxicity of spent oil shale leachate to a blue-green alga: 24th Rocky Mountain Conference, Denver, Colorado.
- 6 **Rostad**, C. E., and Pereira, W. E., 1983, Partitioning of polycyclic coal tar constituents in a two-phase ground-water system: 25th Rocky Mountain Conference, Denver, Colorado.
- 7 Pereira, W. E., and **Rostad**, C. E., 1983, Ground-water contamination by hazardous chemical compounds derived from wood-treatment processes: 25th Rocky Mountain Conference, Denver, Colorado.
- 8 **Rostad**, C. E., Pereira, W. E., and Ratcliff, S. M., 1984, Bonded-phase extraction column isolation and determination of organic compounds in ground water at a hazardous waste site near Pensacola Florida: 26th Rocky Mountain Conference, Denver, Colorado.
- 9 Pereira, W. E., and **Rostad**, C. E., 1984, Geochemical investigations of hazardous wastes in the subsurface environment at an abandoned wood-treatment facility near Pensacola, Florida: 26th Rocky Mountain Conference, Denver, Colorado.
- 10 **Rostad**, C. E., and Pereira, W. E., 1985, Application of n-octanol/water partition coefficients in the evaluation of a coal-tar contaminated, two-phase ground-water system: 27th Rocky Mountain Conference, Denver, Colorado.
- 11 Pereira, W. E., 1985, Contamination of a surficial aquifer by polychlorinated dibenzo-p-dioxins: 27th Rocky Mountain Conference, Denver, Colorado.
- 12 **Rostad**, C. E., and Pereira, W. E., 1986, Bioconcentration of creosote compounds in snails obtained from Pensacola Bay, near an onshore hazardous-waste site: ACS 8th Rocky Mountain Regional Meeting, Denver, Colorado.
- 13 Pereira, W. E., **Rostad**, C. E., Updegraff, D. M., Bennett, J. L., 1986, Anaerobic microbial transformations of azaarenes in ground water at hazardous waste sites: ACS 8th Rocky Mountain Regional Meeting, Denver, Colorado.
- 14 Pereira, W. E., Updegraff, D. M., **Rostad**, C. E., and Bennett, J. L., 1986, Microbial transformations of azaarenes in aquifers contaminated by wood-treatment wastes. Chapman Conference in Microbial Process in the Transport, Fate, and In-Situ Treatment of Subsurface Contaminants, October 1-3, 1986, Showbird, Utah.

3. Abstracts (continued)

- 15 Updegraff, D. M., Bennett, J. L., Pereira, W. E., and **Rostad**, C. E., 1986, Oxidation of azaarenes to hydroxyazaarenes by anaerobic bacteria: 43rd Annual Meeting of the Society of Industrial Microbiology, August 10-15, 1986, San Francisco, California.
- 16 **Rostad**, C. E., and Pereira, W. E., 1987, Determination of halogenated organic compounds in estuarine biota and sediments by chemical ionization tandem mass spectrometry. Surface Water Toxics Technical Meeting, February 2-4, 1987, Lakewood, Colorado.
- 17 Pereira, W. E., **Rostad**, C. E., and Chiou, C. T., 1987, Contamination of estuarine water, biota, and sediments by halogenated organic compounds: A field study. Surface Water Toxics Technical Meeting, February 2-4, 1987, Lakewood, Colorado.
- 18 **Rostad**, C. E., and Pereira, W. E., 1987, Characterization of halogenated organic compounds in estuarine biota and sediments by chemical ionization tandem mass spectrometry: 35th ASMS Conference on Mass Spectrometry and Allied Topics, May 24-27, 1987, Denver, Colorado.
- 19 **Rostad**, C. E., and Pereira, W. E., 1987, Daughter ion spectra of selected chlorinated compounds: 29th Rocky Mountain Conference, August 1987, Denver, Colorado.
- 20 Pereira, W. E., **Rostad**, C. E., and Chiou, C. T., 1987, Distribution of halogenated organic compounds in estuarine water, biota, and sediments: 194th ACS National Meeting, Environmental Division, August 30 - September 4, 1987, New Orleans, Louisiana.
- 21 Pereira, W. E., **Rostad**, C. E., Updegraff, D. M., and Bennett, J. L., 1988, Microbial transformations of azaarenes in creosote-contaminated soil and ground water: Laboratory and field studies: Proceedings of the International Conference Water and Wastewater Microbiology, February 8-11, 1988, Newport Beach, California.
- 22 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1988, Analysis of selected herbicides and their metabolites in river water samples by chemical ionization tandem mass spectrometry: 36th ASMS Conference on Mass Spectrometry and Applied Topics, June 5-10, 1988, San Francisco, California.
- 23 Leiker, T. J., Pereira, W. E., and **Rostad**, C. E., 1988, GC/MS analysis of hydrophobic organic contaminants in catfish from the Mississippi River: 36th ASMS Conference on Mass Spectrometry and Applied Topics, June 5-10, 1988, San Francisco, California.
- 24 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1988, Analysis of selected herbicides and their metabolites by chemical ionization tandem mass spectrometry: 30th Rocky Mountain Conference, July 31 - August 5, 1988, Denver, Colorado.
- 25 Pereira, W. E., **Rostad**, C. E., and Chiou, C. T., 1988. Bioconcentration of hydrophobic organic compounds in stream biota in the Calcasieu River Estuary, Louisiana: Fourth Toxic Substances Hydrology Technical Meeting, Phoenix, Arizona, September 25-30, 1988.
- 26 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1988. Preliminary assessment of the fate and transport of synthetic organic agrochemicals in the Lower Mississippi River and its Tributaries: Fourth Toxic Substances Hydrology Technical Meeting, Phoenix, Arizona, September 25-30, 1988.
- 27 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1988. Distribution of agrochemicals in the Lower Mississippi River and its Tributaries: International Symposium on the Fate and

Effects of Toxic Chemicals in Large Rivers and their Estuaries; Quebec City, Canada,
October 10-14, 1988.

3. Abstracts (continued)

- 28 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J. 1989, Mass spectrometric analysis of some chloroalkyl phosphate flame retardants: 37th ASMS Conference on Mass spectrometry and Applied Topics, May 21-26, 1989, Miami Beach, Florida.
- 29 Leiker, T. J., Pereira, W. E., and **Rostad**, C. E., 1989, A reconnaissance study of the distribution of halogenated organic compounds in catfish from the lower Mississippi River and its tributaries: 37th ASMS Conference on Mass Spectrometry and Applied Topics, May 21-26, 1989, Miami Beach, Florida.
- 30 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1989, Determination of halogenated organic compounds in Mississippi River suspended sediments by negative ion chemical ionization: 31st Rocky Mountain Conference, July 30 - August 4, 1989, Denver, Colorado.
- 31 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J. 1989, Mass spectrometric analysis of some chloroalkyl phosphate flame retardants: 31st Rocky Mountain Conference, July 30 - August 4, 1989, Denver, Colorado.
- 32 Leiker, T. J., Pereira, W. E., **Rostad**, C. E., and Barnes, C., 1989. A reconnaissance study of the distribution of halogenated organic compounds in catfish from the lower Mississippi River and its tributaries: 31st Rocky Mountain Conference, July 30 - August 4, 1989, Denver, Colorado.
- 33 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1989, Determination of halogenated organic compounds in Mississippi River suspended sediment by negative ion chemical ionization: U.S. Geological Survey 2nd National Symposium on Water Quality, November 12-17, 1989, Orlando, Florida.
- 34 Leiker, T. J., Pereira, W. E., **Rostad**, C. E., and Barnes, C., 1989. A reconnaissance study of the distribution of halogenated organic compounds in catfish from the lower Mississippi River and its tributaries: U.S. Geological Survey 2nd National Symposium on Water Quality, November 12-17, 1989, Orlando, Florida.
- 35 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1989. Occurrence, distribution, fate and transport of synthetic organic compounds in the lower Mississippi River and its major tributaries: U.S. Geological Survey 2nd National Symposium on Water Quality, November 12-17, 1989, Orlando, Florida.
- 36 **Rostad**, C. E., Pereira, W. E., and Leiker, T. J., 1989, Analysis of selected herbicides and their metabolites in river water samples by chemical ionization tandem mass spectrometry: 1989 International Chemical Congress of Pacific Basin Societies, December 17-22, 1989, Honolulu, Hawaii.
- 37 Pereira, W. E., **Rostad**, C. E., and Leiker, T. J., 1989, Synthetic organic agrochemicals in the lower Mississippi and its major tributaries: occurrence, fate and transport: 1989 International Chemical Congress of Pacific Basin Societies, December 17-22, 1989, Honolulu, Hawaii.
- 38 Leiker, T. J., Pereira, W. E., and **Rostad**, C. E., 1989, Analysis of halogenated organic compounds in water, fish, and sediment samples collected near and industrial outfall in the Calcasieu River estuary, Louisiana by GC/MS: 1989 International Chemical Congress of Pacific Basin Societies, December 17-22, 1989, Honolulu, Hawaii.

3. Abstracts (continued)

- 39 **Rostad**, C. E., and Field, J. C., 1990, Analysis of trifluoroethyl derivatives of sulfophenylcarboxylates by gas chromatography/negative ion chemical ionization/mass spectrometry: 32nd Rocky Mountain Conference on Analytical Chemistry, July 28-August 2, 1990, Denver, Colorado.
- 40 **Rostad**, C. E., and Pereira, W. E., 1990, Distribution of selected anthropogenic organic compounds on suspended sediment in the Mississippi River, 200th ACS National Meeting, August 26-31, 1990, Washington, D.C.
- 41 **Rostad**, C. E., and Pereira, W. E., 1991, Distribution of selected anthropogenic organic compounds on suspended sediment in the Mississippi River, U.S.G.S. Toxic Substances Hydrology Technical Meeting, Monterey, California, March 11-15, 1991.
- 42 Field, J.A., Barber, L.B., II, Leenheer, J. A., **Rostad**, C.E., and Thorn, K.A., 1991, Persistence of linear alkylbenzenesulfonates and their metabolites in sewage-contaminated ground water, U.S.G.S. Toxic Substances Hydrology Program--Technical Meeting, Monterey, California, March 11-15, 1991.
- 43 **Rostad**, C.E., 1991, Use of Gas Chromatography/Negative Ion Chemical Ionization/Mass Spectrometry in the Ultra-trace analysis of halogenated organic compounds in suspended sediment from the Mississippi River, 39th ASMS Conference on Mass Spectrometry and Applied Topics, May 19-24, 1991, Nashville, Tennessee.
- 44 **Rostad**, C.E., and Pereira, W.E., 1991, Distribution of selected anthropogenic organic compounds on suspended sediment in the Mississippi River, 33rd Rocky Mountain Conference on Analytical Chemistry, July 28 - August 1, 1991, Denver, Colorado.
- 45 Ellis, G.E., and **Rostad**, C.E., 1992, In situ application of semipermeable-membrane devices for monitoring bioconcentration of lipophilic contaminants in the Upper Mississippi River, 34nd Rocky Mountain Conference on Analytical Chemistry, August 2-6, 1992, Denver, Colorado.
- 46 **Rostad**, C.E., and Monsterleet, S.G., 1993, Distribution of organic carbon in the Mississippi River: Comparison of silt and colloidal transport, 25th Annual Meeting, Mississippi River Research Consortium, April 22-23, 1993, La Crosse, Wisconsin.
- 47 Leenheer, J.A., and **Rostad**, C.E., 1993, Transport of suspended organic matter in the Mississippi River, 25th Annual Meeting, Mississippi River Research Consortium, April 22-23, 1993, La Crosse, Wisconsin.
- 48 Schmitt, C.J., Huckins, J.N., Petty, J.D., **Rostad**, C.E., and Ellis, G.S., 1993, Halogenated organic contaminants in the Upper Mississippi River: Detection and measurement with a passive accumulator, 25th Annual Meeting, Mississippi River Research Consortium, April 22-23, 1993, La Crosse, Wisconsin.
- 49 **Rostad**, C.E., and Leiker, T.J., 1993, Comprehensive analysis of Mississippi River samples by GC/PCI/MS/MS and GC/NCI/MS, 41st ASMS Conference on Mass Spectrometry and Applied Topics, May 30-June 4, 1993, San Francisco, California.
- 50 Leenheer, J.A., and **Rostad**, C.E., 1993, Transport of suspended organic matter in the Mississippi River, 1993 American Society of Limnology and Oceanography/Society of Wetland Scientists, May 30 - June 3, 1993, Edmonton, Canada.

3. Abstracts (continued)

- 51 Huckins, J.N., Petty, J.D., Lebo, J.A., Gibson, V.L., Clark, R.C., Schmitt, C.J., Poulton, B.P., **Rostad**, C.E., and Ellis, G.S., 1993, Development of lipid-containing semipermeable membrane devices for estimation of time-weighted water concentrations of bioavailable organic contaminants, 23rd International Symposium on Environmental Analytical Chemistry, June 14-16, 1993, Jekyll Island, Georgia.
- 52 **Rostad**, C.E., 1993, Colloidal distribution and transport of organic carbon in the Mississippi River, 1991-1992, 205th ACS National Meeting, March 28-April 2, 1993, Denver, Colorado.
- 53 **Rostad**, C.E., and Monsterleet, S.G., 1993, Distribution of organic carbon in the Mississippi River: Comparison of silt and colloidal transport, 205th ACS National Meeting, March 28-April 2, 1993, Denver, Colorado.
- 54 **Rostad**, C.E., Ellis, G.E., Schmitt, C.J., Huckins, J.N., and Petty, J.D., 1993, In situ application of semipermeable-membrane devices for monitoring lipophilic contaminants in the Mississippi River, 205th ACS National Meeting, March 28-April 2, 1993, Denver, Colorado.
- 55 **Rostad**, C.E., and Monsterleet, S.G., 1993, Comparison of silt and colloidal transport of organic carbon in the Mississippi River, 35th Rocky Mountain Conference on Analytical Chemistry, July 25-29, 1993, Denver, Colorado.
- 56 Ellis, G.E., and **Rostad**, C.E., 1993, Isolation of lipophilic organic contaminants along the Upper Mississippi River using a semipermeable membrane device, U.S.G.S. Toxic Substances Hydrology Program--Technical Meeting, September 20-24, 1993, Colorado Springs, Colorado.
- 57 **Rostad**, C.E., Monsterleet, S.G., Bishop, L.M., Ellis, G.S., 1993, Organic carbon associated with suspended silt and colloid from the Mississippi River and some of its tributaries, July 1991-May 1992, U.S.G.S. Toxic Substances Hydrology Program--Technical Meeting, September 20-24, 1993, Colorado Springs, Colorado.
- 58 Schmitt, C.J., Huckins, J.N., Petty, J.D., **Rostad**, C.E., and Ellis, G.E., 1993, Halogenated organic contaminants in the Upper Mississippi River: Test of a passive accumulator for use in the biomonitoring of environmental status and trends (BEST) program, Society of Environmental Toxicology and Chemistry, 14th Annual Meeting, November 14-18, 1993, Houston, Texas.
- 59 Schmitt, C.J., Huckins, J.N., Petty, J.D., **Rostad**, C.E., and Ellis, G.E., 1993, Halogenated organic contaminants in the Upper Mississippi River: Test of a passive accumulator, 55th Annual Midwest Fish and Wildlife Conference, December 12-15, 1993, St. Louis, Missouri.
- 60 **Rostad**, C.E., and Monsterleet, S.G., 1994, Comparison of halogenated organic compound transport associated with silt and colloid in the Mississippi River, 207th ACS National Meeting, March 13-17, 1994, San Diego, California.
- 61 **Rostad**, C.E., 1994, Transport of toxic organic compounds associated with suspended sediment in the Mississippi River: before, during and after the 1993 flood, 1994 Spring Meeting, American Geophysical Union, May 23-27, 1994, Baltimore, Maryland.

3. Abstracts (continued)

- 62 **Rostad**, C.E., Leenheer, J.A., and Monsterleet, S.G., 1994, Transport of toxic organic compounds associated with silt and colloid in the Mississippi River, American Water Resources Association Annual Summer Symposium, June 26-29, 1994, Jackson Hole, Wyoming.
- 63 **Rostad**, C.E., 1995, Organic colloid as a mode of transport for toxic halogenated organic compounds in the Mississippi River, American Chemical Society, 209th National Meeting, Anaheim, California, April 2-6, 1995.
- 64 Huckins, J.N., Petty, J.D., Orazio, C.E., Lebo, J.A., Gibson, V.L., Clark, C.N., **Rostad**, C.E., Gala, W.R., and Kaiser, E.M., 1995, Effects of temperature, concentration and biofouling on semipermeable membrane device (SPMD) sampling rates in water, Second SETAC World Congress, Vancouver, British Columbia, Canada, November 5-9, 1995.
- 65 Rees, T.F., Whitaker, R. Leenheer, J.A., **Rostad**, C.E., Thorn, K.A., Barber, L.B., 1996, Attenuation and fractionation of nitrogen and organic carbon beneath an artificial recharge research basin, Water Reuse 96, San Diego, California, February 25-28, 1996.
- 66 **Rostad**, C.E., Rutherford, D.W., and Daniel, S.R., 1996, Colloid phase and particulate phase Koc's as a function of water solubility for selected halogenated organic compounds in the Mississippi River, American Chemical Society, 13th Rocky Mountain Regional Meeting, Lakewood, Colorado, June 9-12, 1996.
- 67 **Rostad**, C.E., Rees, T.F., Daniel, S.R., and Noyes, T.I., 1996, Evaluation of Large-Scale Tangential Flow Ultrafiltration for Isolation of Colloids from Samples of River Water, American Chemical Society, 212th ACS National meeting, Orlando, Florida, Aug. 25-29, 1996.
- 68 Petty, J., Huckins, J., Orazio, C., Lebo, J., Echols, K., Meadows, J., Gale, R., Gibson, G., Clark, R., Prest, H., Moring, B., **Rostad**, C., 1997, Semipermeable membrane devices: Status and overview, 4th Annual International SPMD Workshop and Symposium, Kansas City, Missouri, June 11-13, 1997.
- 69 Huckins, J.N., Petty, J.D., Orazio, C.E., Lebo, J.A., Gale, R.W., Meadows, J.C., Echols, K.R., Gibson, V.L., Clark, R.C., Prest, H., **Rostad**, C.E., 1997, SPMD Theory and Performance: Current State of the Art, 4th Annual International SPMD Workshop and Symposium, Kansas City, Missouri, June 11-13, 1997.
- 70 **Rostad**, C.E., Garbarino, J.R., 1997, Carbonate and Organic Carbon Associated with Colloids in the Mississippi River and Major Tributaries, 39th Rocky Mountain Conference on Analytical Chemistry, Denver, Colorado, August 3-7, 1997.
- 71 Stricos, B.J., **Rostad**, C.E., Barber, L.B., 1997, Fate and Transport of Total Organic Halide in a Wetland Area, 39th Rocky Mountain Conference on Analytical Chemistry, Denver, Colorado, August 3-7, 1997.
- 72 **Rostad**, C.E., Rees, T.F., Daniel, S.R., Noyes, T.I., 1997, Particle sizes of colloids in the Mississippi River, American Chemical Society, 214th National meeting, Las Vegas, Nevada, September 7-11, 1997.
- 73 **Rostad**, C.E., Thorn, K.A., Noyes, T.I., 1997, Organic carbon associated with colloids from groundwater impacted by reclaimed water, American Chemical Society, 214th National meeting, Las Vegas, Nevada, September 7-11, 1997.

3. Abstracts (continued)

74 Thorn, K.A., **Rostad**, C.E., Noyes, T.I., 1997, Spectroscopic characterization of colloids in a ground recharge system for treated sewage effluent, American Chemical Society, 214th National meeting, Las Vegas, Nevada, September 7-11, 1997.

4. Unpublished academic thesis:

Rostad, C.E., 1996, *Partitioning of lipophilic organic contaminants among suspended particulate, colloid, and dissolved phases in the Mississippi River*, Colorado School of Mines, Thesis number 4477, 210 pages plus diskette.

