Participated in a one-day symposium sponsored by the Oregon State Legislative Joint Committee on Forest Products to identify timber-dependent communities. Salem, Oregon. 1990.

Provided analysis and testimony to the Oregon Legislature regarding a proposal to implement comprehensive effluent fees for air pollution. Salem, Oregon: Oregon Environmental Council. 1990.

Testified before Subcommittee on Regulation and Small Business Opportunities regarding the viability of flexible manufacturing networks. Washington, DC: U.S. House of Representatives Committee on Small Business. 1988.

Testified before the Portland City Council regarding the proposed location of a Fred Meyer shopping center in Portland, Oregon. Portland, Oregon: Sullivan, Josselson, Roberts, Johnson, and Kloos. 1985-86.

Provided economic analysis of a proposed upzoning of a site zoned for a neighborhood-level shopping center. Considered existing land uses, existing zoning, and the current and expected needs of the community. Portland, Oregon: Sullivan, Josselson, Roberts, Johnson, and Kloos. 1985-86.

Testified before the Idaho Public Utility Commission regarding appropriate methodologies for deregulating the electricity-generating industry and for determining the fair-market value of electricity produced by cogenerators and small power producers. Boise, Idaho: Lindsay, Hart, Neil, and Weigler. 1985.

Estimated the competitive wages necessary to attract and retain police and firefighters. Testified at arbitration hearings between the City and the Public Employees' Union. City of Portland. 1984-85.

Provided regulatory policy analysis representing Hy-Tech Corporation in a rate hearing before the Idaho Public Utility Commission. Boise, Idaho: Runft, Leroy, Coffin, and Mathews. 1984.

STATE, REGIONAL, AND NATIONAL PRESENTATIONS AND CONFERENCES

"Challenges to Economic Security." Panelist, environmental economics, Pacific Northwest Regional Economic Conference. Portland, Oregon. May 2002.

"Economic Alternatives in the Willamette River Basin." Keynote speaker, Willamette River Watershed Conference. Sponsored by: Oregon Chapters of the American Institute, and American Water Resources Association. Vancouver, Washington. April 2001.

"Economics, Salmon and the Pacific Northwest." Coordinator and presenter: Salmon/Water Workshop. Participants: ECONorthwest, Earthjustice, American Rivers, The Center for Environmental Law & Policy, Trout Unlimited, and Columbia River Inter-Tribal Fish Commission. Portland, Oregon. March 2001.

"Competition Matters: An Economist's Perspective of Collaborations and the National Forests." Speaker, University of Montana School of Forestry, Plum Creek Lectures. January, 2001.

"The New West: Changing Demographics, Economics, and Perceptions." Speaker, Washington State Trust Lands Conference. Seattle, Washington. November, 2000.

"Economic Benefits of Parks and Recreation." Speaker, 2000 Oregon Recreation & Park Association Annual Conference. Welches, Oregon. October, 2000.

"Hidden and Ignored Economic Costs in Natural Resource Decision Making." Speaker, NEPA/ESA Conference 2000. Austin, Texas. September, 2000.

"Regional Economic Impact Analysis." Speaker/Facilitator, Workshop on Estimating the Economic Values and Impacts of Water-Resources Projects in the Mississippi River Basin. Memphis, Tennessee. September, 2000.

"Application of Economic and Related Policy Information to Prioritize Riparian Restoration of the Willamette River, Oregon." Speaker, AWRA International Conference on Riparian Ecology and Management in Multi-Land Use Watersheds. Portland, Oregon. August, 2000.

"Economic Valuation and the Watershed." Speaker, Watershed Partnerships Seminar. U.S. Office of Personnel Management, Western Management Development Center. Denver, Colorado. September, June and March 2001, November and July, 2000, November and March, 1999, October and June, 1998.

"Both Sides Of The River: Salmon Recovery In The Columbia Basin." Panel participant: Searching for a Preferred Alternative. Eastern Washington University. Spokane, Washington. June, 2000.

"The Challenge of Healthy Communities," Keynote speaker, EPA Region 10 (Alaska, Washington, Oregon, Idaho) Office of Ecosystems and Communities. Seattle, Washington. May, 2000

"Beyond 2000: Regional, Border, and Global Issues for the Pacific Northwest." Panel participant: "Protection of salmon and other environmental issues." Western Washington University: Pacific Northwest Regional Economic Conference. Bellingham, Washington. April, 2000.

"The Economic Consequences of Watershed Management: Values, Impacts, and Equity." Speaker, Second Annual Wetland Workshop, Bureau of Reclamation, Great Plains Region. Estes Park, Colorado. October, 1999.

"Benefits and Mechanisms for Spreading Asset Ownership in the United States." Invited Participant, The Ford Foundation Conference. New York, New York. May, 1999.

"Economic Changes in the Pacific Northwest." Panel participant, Pacific Northwest Conference on Environmental & Resource Economics. Eugene, Oregon, May, 1999

"The Economic Consequences of Watershed Management: Values, Impacts, and Equity," Sustaining the Missouri River for Future Generations. Pierre, South Dakota, March, 1999

"The Ecosystem-Economy Relationship: Insights from Six Forested LTER Sites." Speaker, LTER Conference on Linking Natural and Socioeconomic Processes. Madison, Wisconsin, October, 1998.

"Making Decisions When Everything Matters." Speaker, National Wilderness Conference. Seattle, Washington, May, 1998.

"Designing a Report Card on the Health of the Nation's Ecosystems." Panelist, The H. John Heinz III Center for Science, Economics and the Environment. Washington, D.C., February 1998.

"Making Decisions When Everything Matters." Speaker, Oregon Chapter American Fisheries Society Annual Meeting; Population, Economics, and Ecosystems: Is Sustainability Attainable? Sunriver, Oregon, February 1998.

Participant, EPA/NSF Partnership for Environmental Research: Water and Watersheds STAR Grants Program Review Meeting. Corvallis, Oregon, January 1998.

"The Effects of Measure 47." Speaker, Oregon Speech-Language and Hearing Association's Fall Conference. Bend, Oregon, October 1997.

"How Can Researchers and the EPA Work Together to Improve Benefit/Cost Analysis?" Speaker, EPA Deputy Administrator's Environmental Economics Forum. Cambridge, Massachusetts, September 1997.

"The Economic Effects of Ecosystem Management." Paper presented at the Western Economic Association International Conference. Seattle, Washington, July 1997.

"Tracing the Economic Roots of Wetlands Restoration." Presenter, Pacific Northwest Chapter of Wetland Scientists and the Society for Ecological Restoration. Corvallis, Oregon, May 1997.

"The Pacific Northwest Economy: Transitions from Brown to Green." Panel Moderator, Pacific Northwest Regional Economic Conference. Spokane, Washington, April 1997.

Speaker, Oregon Department of Environmental Quality's Orphan Site Task Force, Portland, Oregon, January 1996.

"The Evolution of the Pacific Northwest's Regional Economy." Speaker, Carroll College, Helena, Montana, January 1996.

"Making Decisions When Everything Matters." Speaker, Washington Department of Ecology Director's Choice Forum, Seattle, Washington, September 1995.

"Marketing of Indian Water Rights." Speaker, Western States Water Council's Symposium on the Settlement of Indian Water Rights' Claims, Portland, Oregon, September 1995.

"Making Use of Experts When Litigating Disasters." Oregon Bar Association's 1995 Annual Meeting: Litigating Environmental Disasters: Lessons Learned Litigating the Exxon *Valdez* Oil Spill Case, Seaside, Oregon, September 1995.

"The Changing Northwest Economy." Speaker, Pacific Rivers Council Northwest Economic Conference, July 1995.

Invited Speaker, President Clinton's Pacific Rim Regional Economic Conference, Little Rock, Arkansas, June 1995.

"Incentives and Subsidies: Water and Energy Use in the Columbia Basin." Speaker, Northwest Water Law and Policy Project on Water Policy and Sustainability in the Columbia River Basin. Lewis and Clark Law School. May 19, 1995.

"The Two Oregons Debate: Timber vs. High-Tech." Speaker, City Club of Portland, Portland, Oregon. April 14, 1995.

"Creating Community for Quality Education." Speaker, Confederation of Oregon School Administrators, Portland, Oregon. March 6, 1995.

"Economic Forecast for 1995." Speaker, City Club of Portland, Portland, Oregon. January 6, 1995.

"Northwest Environmental Economics." Speaker, Oregon Chapter of the American Society of Landscape Architects; USDA Forest Service, Mt. Hood National Forest Landscape Architects; and University of Oregon, Landscape Architecture Department's Conference on Sustainable Future, Beaverton, Oregon. October 28, 1994.

"Managing the Northern Forests: Other Lessons from the West." Panelist, Vermont Law School's symposium on the northern forest lands and the law, South Royalton, Vermont. September 30, 1994.

"The Use of Economic Information in Decisionmaking and Economic Benefits of Spotted Owl Rules." Speaker, Washington Department of Natural Resources, Forest Practices Board Meeting, Olympia, Washington. September 13, 1994.

"Strategic Thinking in Oregon and Utah." Speaker, Meeting of the New Mexico Horizons Task Force, Santa Fe, New Mexico. August 25, 1994.

"Economics and Livability of Cities." Speaker, Washington State Department of Community, Trade and Economic Development Downtown Revitalization Program Meeting, Kent, Washington. August 5, 1994.

"Environmental Economics." Speaker, Sierra Club Legal Defense Fund Annual Meeting, Chico Hot Springs, Montana. May 24-28, 1994.

"Cycles & Trends: It's All a Matter of Timing." Speaker, 1994 Construction Industry Conference, Portland, Oregon. May 20, 1994.

"Contemporary Issues in Externalities." Speaker, NARUC-DOE Fifth National Conference on Integrated Resource Planning, Kalispell, Montana. May 15-18, 1994.

"The College Student and the Economy." Speaker, Pacific Northwest Association of College Admissions Counselors, Portland, Oregon. April 22, 1994.

"Oregon's Economy: The Recent Past and Projections for the Future." Keynote Speaker, Oregon State System of Higher Education's Counselor Conference, Eugene, Oregon. October 15, 1993.

"How Do We Value Biodiversity in Ecosystems?" Speaker, Forest Products Research Conference, U.S. Forest Service, Madison, Wisconsin. September 28, 1993.

"The Need for Sustainable Development and NW Regional Cooperation." Introduction, Pacific Northwest Sustainable Development Convenors Forum, Portland, Oregon. September 13, 1993.

"Role of Strategic Planning in Framing Performance Measures and Accountability." Speaker, City of Seattle Mayor's Retreat, Seattle, Washington. August 19, 1993.

"Meeting the Challenge: The Economic Benefits of Wildlife." Speaker, Oregon Department of Fish and Wildlife 100th Anniversary Celebration, Portland, Oregon. July 23, 1993.

"Oregon's Real Economy." Keynote Speaker, Oregon Downtown Development Association Annual Conference. June 11, 1993.

"Social Considerations of High Quality Forestry." Keynote Speaker, U.S. Forest Service Pacific Northwest Research Station Workshop on High Quality Forestry. May 11, 1993.

"The Effect of Taxes on Oregon's Economy." Oregon State Legislature, Joint Interim Committee on Revenue and School Finance. September 16, 1992.

"Trojan Shutdown or Phasedown - Who Pays?" Portland City Club. Portland, Oregon. August 21, 1992.

"Environmental Externalities and Utilities." Northwest Power Planning Council Work Session. June 24, 1992.

"Washington's Changing Economy: The Challenge for Future Regulation." Washington State Bar Association's Environmental and Land Use Law Section Seminar. May 29, 1992.

"Economic Forecast." District 10 Pacific Northwest Council Credit Professionals International Credit Association, 1992 Credit Conference. Portland, Oregon. May 19, 1992.

"The Economic Myths and Realities of Timber and Owls." Eugene City Club. Eugene, Oregon. March 1992.

"Economy of the Eugene-Springfield Area and How It May Influence Real Estate Values." Eugene Association of Realtors. Eugene, Oregon. March 1992.

"The Economics of the God Squad Hearings: How Will it Affect Oregonians?" League of Women Voters. Eugene, Oregon. February 1992.

"The Current Economic Issues Associated With Oregon's Natural Resources." City Club of Portland. Portland, Oregon. February 1992.

"The Oregon Economy: What's Going On and What's Going to Go On." Oregon Editorial Writers Conferences. Dinner Speaker, Eugene, Oregon. October 1991.

"The Economics of Water Resource Management." Western Regional Conference, National Association of State Budget Officers (NASBO). Seattle, Washington. August 1991.

"The Economy and Oregon's Public Schools." Oregon Association of School Business Officials (OASBO) 1991 Summer Conference. Bend, Oregon. July 1991.

"Achieving a Predictable Timber Supply and Community Stability While Protecting Forest Ecosystems." Briefing for Congressional and Governors' Staff of Oregon and Washington. Vancouver, Washington. May-June 1991.

"New Perspectives and the Forest Service: A New Way of Thinking." Portland Metropolitan Chamber of Commerce, Portland, Oregon. May 1991.

"Reversal of Fortune: The Economics of New Perspectives." Western Forest Economists Conference, Keynote Speaker, Portland, Oregon. May 1991.

"New Perspectives and the Forest Service." Pacific Northwest Regional Economic Conference, Portland, Oregon, May 1991.

"Economics of Pollution and Clean-up: What Price to Society Today and Tomorrow?" Water Quality, Water Quantity: The Reluctant Marriage Conference. Northwestern School of Law of Lewis and Clark College and WaterWatch of Oregon, Inc. February 1991.

"New Perspectives University Colloquium Coordination Workshop." U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Denver, Colorado. January 1991.

"The Northwest Economy." Oregon Municipal Finance Officers Association. Portland, Oregon. November 1990.

"Transforming From a Natural Resource Based Economy." Visualizing the Future - Idaho's Second Century Symposium. Idaho Centennial Commission. Boise, Idaho. November 1990.

"The Nineties - A Decade for Change." Twenty-Seventh Annual PNWIS-AWMA Conference. Portland, Oregon. November 1990.

"The Northwest Economy." Commercial Investment Realtors of Lane County. November 1990.

"Clear Cut Crisis." Panelist. Oregon Public Broadcasting Symposium. Portland, Oregon. August 1990.

"Oregon's Changing Economy and Marketplace." Panelist. Oregon Downtown Development Association Annual Conference. Eugene, Oregon. July 1990.

"Generators Beware: Environmental Firms are Clustering for a Reason." Environmental Hazards Annual Conference. Keynote Speaker. Seattle, Washington. May 1990.

"New Perspectives on Forest Management." U.S. Forest Service Symposium. Forestry Sciences Laboratory, Corvallis, Oregon. April 1990.

"The Economy and the College Student." National Academic Advising Association Region 8 Conference. Keynote Speaker. Portland, Oregon. March 1990.

"Fast Forward to 2000: The Once and Future Northwest." Keynote speaker. City Club. Portland, Oregon. January 1990.

"Futures Focus Group: Governor's Commission on Higher Education, Portland Metropolitan Area." December 1989. Portland, Oregon.

"The Anatomy of a Timber Supply Crisis." Moderator. The Timber Supply Crisis: Potential Impacts and Economic Development Policy Options, a Colloquium. Northwest Policy Center. Seattle, Washington. November 1989.

"Economic Impacts of Protecting the Environment." Pacific Northwest Pollution Control Association Annual Conference. Eugene, Oregon. October 1989.

"Global Warming: The Stakes." "Sustainable Energy: A Path for Environmental Stewardship." Solar Energy Association of Oregon Annual Conference. Eugene, Oregon. October 1989.

"Whose Water? Past; Present; Future." Institute for Environmental Studies, University of Washington. Seattle, Washington. September 1989.

"The Once and Future Northwest." West Coast Public Radio Conference. Seattle, Washington. September 1989.

"Strategic Economic Development and the Environment." Land Conservation and Development Commission Workshop. Silver Falls, Oregon. September 1989.

"Oregon's Plan for Excellence." Council for Economic Development in Oregon, Annual Conference. September 1989.

"Transportation to the 21st Century." American Economic Development Council 1989, Western Region Conference. Eugene, Oregon. September 1989.

"Planning for Economic Growth." Oregon's Next Decade of Land Use Planning. 1989 Oregon Planning Institute. Eugene, Oregon. September 1989.

"Resource Regulation in Oregon's Future." Statewide retreat for natural resource agency heads. Silver Falls, Oregon. August 1989.

"Future Social, Economic, and Cultural Trends for Oregon: Implications for Public School Education." Oregon Leadership Academy's Spring Leadership Conference. Confederation of Oregon School Administrators. Eugene, Oregon. April 1989.

"Governor Goldschmidt's Strategic Economic Plan for Oregon." Oregon Chapter, American Planning Association Spring Conference. Beaverton, Oregon. March 1989.

"The Linkage Between Public-Works Infrastructure Financing and Economic Development." Special Districts Association of Oregon, Annual Conference. Ashland, Oregon. February 1989.

"Economic Development Impacts of Old Growth Preservation." Oregon's Forests in 2010; a conference on the future of Oregon's forests, hosted by U.S. Representative Peter DeFazio and Oregon State Representative David Dix. Eugene, Oregon. February 1989.

"Regional Economic Development Issues." 1988 Issues Conference of the Northwest Business Coalition. Portland, Oregon. November 1988.

"The Economic Future of the Northwest." 1988 Government Finance Officers' Association, Annual Conference. Seattle, Washington. November 1988.

"The Changing of State Economic Development Policy." Tenth Annual Association for Public Policy Analysis and Management Research Conference. Seattle, Washington. October 1988.

"The Oregon Economy." Oregon Business Week. Western Oregon State College. Monmouth, Oregon. August 1988.

"Evaluating the Role of Fish in the Development of the Pacific Northwest's Economy--or Is It the Other Way Around?" Salmon and Steelhead Roundtable, sponsored by the Northwest Power Planning Council. June 1988.

"Developing a Strategic Plan for Regional Economic Growth." Northwest Policy Center Journalists Forum. May 1988.

"Regional Economic Strategies in the Pacific Northwest." An hour-long interview for KOEW Radio. Seattle, Washington. March 1988.

Invited panelist on urban and rural economic growth. Agriculture Conference Days, Oregon State University. Corvallis, Oregon. February 1988.

Invited testimony before the Committee on Trade and Economic Development. Oregon State Legislature. January 1988.

Invited participant. Regional Strategies Conference. University of Washington, Institute for Public Policy and Management. Seattle, Washington. January 1988.

"A New Approach to Old Economic Development Strategies." Washington Energy Task Force. Olympia, Washington. December 1987.

"The Economic Past and Future of Oregon." Sunset Corridor Association's Fall 1987 conference. Beaverton, Oregon. October 1987.

"Regional Development Strategies: State and Local Roles." Thirteenth Annual Oregon Planning Institute. Eugene, Oregon. October 1987.

"Accelerating Our Economic Development." State of Washington, Economic Conference for Senior Officials: The Economics of the State and Its Regions--What We Know About the Present and What We Can Do for the Future. Washington Institute for Public Policy. Olympia, Washington. June 1987.

"Perspectives on Economic Development Strategies." Northwest Allied Newspapers, Annual Meeting. May 1987.

"New Economic Strategies for Regional Development." Twenty-First Annual Pacific Northwest Regional Economic Conference. Seattle, Washington. May 1987.

Invited testimony before the Committee on Trade and Economic Development. Oregon State Legislature. January 1987.

"The Economics of Economic Development." Seventh Biennial Legislative Conference on the Economy. Salem, Oregon. January 1987.

"Changing Oregon's Economy From an Old Growth Economy." Oregon Natural Resources Council. September 1986.

"Outlook for the National, State, and Local Logging Industry for 1986." Associated Oregon Loggers, Inc. 16th Annual Convention. Springfield, Oregon. January 1986.

"Idaho Economic Development--Prescriptions for Progress." Governor's 1985 Economic Symposium. Boise, Idaho. December 1985.

"Getting the Goods and Paying for Them." PNPCA--Sewer Design/Construction Program. Portland, Oregon. October 1985.

"Small Businesses in the Pacific Northwest: The Real Wealth of Nations." Meeting of Portland Oregonian Business Forecast. Portland, Oregon. July 1985.

"Amendments to Oregon's Land Use Planning Goal 9: The Economy." Invited testimony before City Club of Portland, Standing Committee on Land Use. Portland, Oregon. July 1985.

"Making Sure Oregon's Journey on the River Styx is Roundtrip." Democratic Business Forum. Portland, Oregon. July 1985.

"A Look at the Northwest Region." Round Table for Unions in the Wood Products Industry. Portland, Oregon. May 1985.

"A Descriptive, Explanatory, and Prescriptive Analysis of the Economics of Washington and Oregon." Nineteenth Annual Pacific Northwest Regional Economic Conference. Portland, Oregon. May 1985.

"Economic Development and the Future of Portland." Invited testimony before Portland Commissioner, Mike Lindberg and staff. Portland, Oregon. January 1985.

"Can Our Taxes Survive Our Economic Development?" Council of Governments, Annual Dinner Meeting. Salem, Oregon. January 1985.

"Small Business Formation." Meeting of Portland Oregonian Business Forecast. Portland, Oregon. January 1985.

"Can Our Taxes Survive Our Economic Development?" League of Oregon Cities. Eugene, Oregon. November 1984. Also, the State Senate Democratic Caucus, Silver Falls State Park, Oregon. January 1985.

"Economic Development and the Future of Portland." Presentation and discussion. The City of Portland, Office of Public Works. November 1984.

"National and Northwest Economic Outlook" and "Business Formation in the Northwest." Inaugural Meeting of Portland Oregonian Business Forecast. Portland, Oregon. July 1984.

"State Economic-Diversification Strategies." Oregon Democratic Campaign Workshop. Portland, Oregon. June 1984.

"The Economy ~~and~~ the College Student: More Recent Observations." Pacific Northwest Regional Economic Conference. Olympia, Washington. May 1984.

"The Implications of Increasing Average Costs of Electrical Generation in the Pacific Northwest." Northwest Conservation Act Coalition Conference. Spokane, Washington. April 1984.

"The State of the Economy." Building Trades Business Agents Institute. Eugene, Oregon. March 1984.

"The Economics of Fish and Power." Pacific Northwest Electric Power and Conservation Planning Council. Portland, Oregon. February 1983.

"The Economics of Fish and Power." Hydro-Power Symposium, American Fish Society, Montana Chapter. Kalispell, Montana. February 1983.

"The Economy and the College Student." American Association of Higher Education. Seattle, Washington. November 1982.

"Directions in Oregon Land-Use Planning." Oregon Chapter of the American Society of Landscape Architects. Eugene, Oregon. November 1982.

"Housing and the Economy." State Housing Division and Oregon State Home Builders Association. Salem, Oregon. October 1982.

"Achieving Energy Conservation by Rate Design in the Residential Sector." Regional Power Plan Workshop, Pacific Northwest Electric Power and Conservation Planning Council. Seattle, Washington. October 1982.

"The Economics of the Northwest Region." Central Oregon Project Energy Conference. Sun River, Oregon. September 1982.

"Land Use, Public Facilities, and Economic Development." Portland City Club. Portland, Oregon. July 1982.

"Financing the Infrastructure." Oregon Legislative Joint Interim Task Force on Managing and Financing Growth. Eugene, Oregon. July 1982.

"Economic Impacts of Energy Investments." International City Management Association, Northwest Regional Conference, League of Oregon Cities. Salishan Lodge, Oregon. March 1982.

"Developing Industrial Lands." Testimony before the Industrial Lands Subcommittee of the Joint Legislative Committee on Land-Use. Portland, Oregon. March 1982.

"Current Economic Issues." Labor Education and Research Center, Building Trades Representative Institute. University of Oregon. Eugene, Oregon. March 1982.

"Oregon Economic Conditions and Forecasts." Presented to the Oregon Association of School Boards. Inn at Otter Crest, Newport, Oregon. January 1982.

"The State and National Economies: The Foreseeable Impact on Local Government." State Council of Firefighters, Labor Education and Research Center. University of Oregon. December 1981.

"Environmental Impacts and the Evaluation of Resource Acquisitions.". Third Annual, Alternative and Renewable Energy Resource Conference, and Bonneville Power Administration. University of Montana. September 1981.

"State and Local Economic Development: Target Variables--Tools and Strategies." Fifteenth Annual, Pacific Northwest Regional Economic Conference. Boise, Idaho. April 1981.

"Economic Growth--Public and Private Sector--Financing--Problems and Future Development." Oregon League of Women Voters. Eugene, Oregon. April 1981.

"The Economic Outlook." Society of Industrial Realtors, 1st Annual Real Estate Conference. Portland, Oregon. April 1981.

"Oregon's Economic Forecast". Oregon Senate Review Committee. Salem, Oregon. March 1981.

"Current Economic Conditions." Labor Education and Research Center's Session for Business Agents, Building Trades Union. University of Oregon. Eugene, Oregon. March 1981.

"Economics and Public Policy Issues in Mass Transit." Transit Union Representatives' Training Institute. Asilomar, California. January 1981.

"Mass Transit: Economics and Public Policy." Mass Transit Union Representative Training Institute. U.S. Department of Transportation and AFL-CIO, George Meany Center for Labor Studies. University of Oregon (Eugene, Oregon), July 1980. University of California (Berkeley, California). November 1980 and January 1981.

"National/Regional/Oregon Economics." League of Oregon Cities. Portland, Oregon. December 1980.

"Economics and Public-Policy Issues in the Mass Transit Industry." Transit Union Representatives' Training Institute. Asilomar, California. November 1980.

"State and Local Economic Development in Oregon." "Vehicles for Local Economic Development." Annual conference of the League of Oregon Cities. Salem, Oregon. November 1980.

"The Pacific Northwest as Viewed by a Practitioner of the Dismal Science." Fourth Annual, Northwest Regional Financial Planning Conference. May 1980.

"Approaches to Estimating the Effects of Public Policies on Urban Land Prices." Pacific Northwest Regional Economic Conference. Portland, Oregon. May 1980.

"The Pacific Northwest's Economic Future." Annual, Northwest Regional Financial Planning Conference, International Association of Financial Planners. Portland, Oregon. May 1980.

"New England and the Pacific Northwest: Regional Economic Comparisons." Fourteenth Annual, Pacific Northwest Regional Economic Conference. Portland, Oregon. May 1980.

"Approaches to Estimating the Economic Effects of Public Policies on Urban Land Prices." Pacific Northwest Regional Economic Conference. Portland, Oregon. May 1980.

"Measuring the Effects of Public Policy on Land Prices." U.S. Department of Housing and Urban Development and the Urban Land Institute. Washington, D.C. February 1980.

"The Economics of the Extended Family." Oregon Community Education Association. Eugene, Oregon. February 1980.

"Urban Growth Boundaries." Oregon Land-Use Conference for Realtors and Homebuilders, sponsored by Dialogue Northwest. Portland, Oregon. May 1979.

"Neighborhood Revitalization." Neighborhood Revitalization Workshop, Oregon Savings and Loan League. Portland, Oregon. May 1979.

"The Economics of Land Use." Legislative Conference on the Economy, Oregon Council on Economic Education. Willamette University. Salem, Oregon. January 1979.

"The Effects of Legislative Action on Land Value." Seminar on Residential Property Values in Transition. Central Oregon Chapter of the American Society of Appraisers. September 1978.

"Shopping Patterns and Municipal Regulations in Nairobi." Western Regional Science Association meetings. Long Beach, California. February 1974.

"Urbanization, Land Use and Long-Range Planning in the State of Oregon." Eighth Annual, Pacific Northwest Regional Economic Conference. Seattle, Washington. April 1974.

"Land-Use Planning, Economic Development and the Distribution of Population in Oregon." Seventh Annual, Pacific Northwest Regional Economic Conference. Portland, Oregon. April 1973.

"Critical Appraisal of the American Institute of Architects National Policy on Urban Growth." AIA/Press Seminar. Portland, Oregon. September 1972.

"The Economics of Poverty in Relation to Choice." Annual Meeting of the American Psychology Association. San Francisco. September 1968.

"Municipal Investment: An Econometric Analysis." Harvard Seminar on Regional and Urban Economics, Resources for the Future. Cambridge, Massachusetts. November 1967.

TELEVISION AND RADIO COMMENTARIES

National Public Radio Series (taped for KLCC radio, Eugene, OR): "Current Economic Issues"

"Bush vs. Clinton: A Clear Economic Choice." September 1992.

"Why Oregon's Water Policies Are All Wet." August 1992.

"Thanks for the Memories, Larry Campbell." July 1992.

"Tackling Intercollegiate Athletics." November 1991.

"Discussing the Conversation." September 1991.

"Coming Soon: The Legislative Session." July 1991.

"The Graduate (Circa 1991)." June 1991.

"The Prognosis for Health Care." May 1991.

"Family Crisis and Their Costs." April 1991.

"All in the Families." March 1991.

"Mixing Oil and Water." March 1991.

"An Oregon Forecast That's Partly Sunny." February 1991.

"Teaching Our Schools a Lesson." January 1991.

"Taking Five." November 1990.

"Clear Cut Crisis." Panelist. Oregon Public Broadcasting Symposium. Portland, Oregon. August 1990.

"Oregon's Changing Economy and Marketplace." Panelist. Oregon Downtown Development Association, Annual Conference. Eugene, Oregon. 1990.

"The Once and Future Northwest." West Coast Public Radio Conference. Seattle, Washington. September 1989.

"Regional Economic Strategies in the Pacific Northwest." An hour-long interview for KOEW Radio. Seattle, Washington. March 1988.

"The University of Oregon's Riverfront Research Park." Radio interview, Willamette Science and Technology Center's series, "Getting Technical." KWAX-FM. Eugene, Oregon. September 1985.

COMMUNITY SERVICE, SPEECHES, AND WORKSHOPS

"Economic Case Against Logging." Panel participant, University of Oregon, Environmental Law Conference. Eugene, Oregon, March 2000.

"Space, Time and Eugene's Economy." Panel participant, City of Eugene, 1999-2000 City Goals Process, Environmental Scan. Eugene, Oregon. February 1999

Lane County Forecast '99, Panel discussion sponsored by the *Register-Guard* and Eugene Area Chamber of Commerce. Eugene, Oregon, February 1999

"Making Sense of Trends and Cycles." Principal Speaker, Lane Council of Governments Appreciation Dinner. Eugene, Oregon, January 1999.

"Environmental Issues in the Pacific Northwest." Speaker, University of Oregon Department of Economics, Lecture Series. Eugene, Oregon, July 1998.

"Economic Forecast 1998." Oregon Association of Realtors: Spring Real Estate Conference. Eugene, Oregon. March 1998.

Oregon Speech-Language & Hearing Association's Fall Conference. Bend, Oregon. October 1997.

"Thriving in a Hostile Environment." Oregon Department of Revenue. Salem, Oregon. October 1996.

"Voting Your Pocketbook." City Club of Portland. Portland, Oregon. November 1996. Aired on Oregon Public Broadcasting and area cable television.

Lewis & Clark Law School, Seminar on Growth Management. November 1992.

"Measures 5 and 7: How Do They Impact the Oregon Economy?" Clergy and Laity Concerned (CALC) Fall forum. October 1992.

"The Changing Economy and Housing." Eugene Housing Committee/City Club. Eugene, Oregon. June 1991.

"Changes in the Pacific Northwest Economy." Eugene Estate Planning Council. Eugene, Oregon. May 1991.

"Eugene's Economic Future: If Not Timber, What?" City Club of Eugene. November 1990.

"Region on Trial." Northwest Public Affairs Network. Seattle, Washington. September 1990.

"Ancient Forest National Symposium and Retreat." The Wilderness Society. Breitenbush Park, Oregon. August 1990.

"Ancient Forests." Oregon Public Broadcasting. Portland, Oregon. August 1990.

"Oregon's Changing Economy and Marketplace." Oregon Downtown Development Association. Eugene, Oregon. July 1990.

"The Spotted Owl and the Northwest Economy." Local radio and television stations. Eugene, Oregon. Spring 1990.

"Economy and the College Student." Golden Key Club, University of Oregon. Eugene, Oregon. January 1990.

"Metropolitan Economic Development Strategies: A Panel Discussion." Eugene Area, Chamber of Commerce. Eugene, Oregon. December 1989.

"Lane County Regional Economic Trends." Conference on the Economy of Lane County, sponsored by Lane Council of Governments and Eugene-Springfield Metro Partnership. Springfield, Oregon. November 1989.

"Timber Issues Call-In." Invited participant. KSOR Public radio for Southern Oregon and Northern California. Ashland, Oregon. July 1989.

"Oregon's Economy in 1989 and Beyond." Emerald Valley Development Professionals. Eugene, Oregon. January 1989.

"Education and the Economy." Churchill High School, Career Awareness Program. Eugene, Oregon. January 1989.

"The Economic Future of Lane County." Eugene/Springfield Leadership Conference. Eugene, Oregon. September 1988.

"Career Opportunities in Economics." Student Economic Association. University of Oregon. May 1988.

"Developing Oregon's Economy Strategically." Junction City-Harrisburg Area, Chamber of Commerce. Junction City, Oregon. March 1988.

"Strategies for Oregon's Economic Development." Eugene Active 20-30 Club. Eugene, Oregon. March 1988.

"Presidential Campaign '88: The Candidates and the Economic Issues." Student Economics Association, Presidential Symposium. University of Oregon. March 1988.

"The Economy and the College Student." New Student Host Program's Academic Symposium. Eugene, Oregon. September 1987.

"The Economic Future of Lane County." Eugene/Springfield Leadership Conference. Eugene, Oregon. September 1987.

"The Environment and Regional Economic Development." Earth Week 1987. University of Oregon. April 1987.

"How to Make Oregon's Journey to the River Styx Roundtrip." Eugene/Springfield Leadership Conference. Eugene, Oregon. April 1987.

Reviewed nominations and selected award winners for the Oregon Chapter of the American Planning Association, Awards Jury. Albany, Oregon. March 1987.

"Lane County Business and Economic Forecast for 1987." Lane Community College. December 1986.

"Lane County Business and Economic Forecast for 1987 and Beyond." Eugene-Springfield Leadership Conference. September 1986.

"Old Growth, New Growth: Timber Issues in the Pacific Northwest." Earth Day. University of Washington. April 1986.

"The Economy and the College Student." Oregon State Correctional Institution and Oregon State Penitentiary. February 1986.

"Lane County Business and Economic Forecast for 1986." Eugene Kiwanis Club. February 1986.

"Lane County Business and Economic Forecast for 1986." Eugene Hospital and Clinic. February 1986.

"Economic Future of Lane County." Metro Scene sponsored by the Eugene Area Chamber of Commerce. Eugene, Oregon. January 1986.

"An Overview of the National, State, and City Outlook." Lane County Business and Economic Forecast for 1986. Eugene, Oregon. December 1985.

"The Economics of Housing." Lecture and discussion for a course on "Housing in Society." University of Oregon. November 1985.

"How to Make Oregon's Journey on the River Styx Roundtrip." South Lane Public Issues Forum. Cottage Grove, Oregon. November 1985.

"The Benefits of Small Business." University of Oregon, Speaker Service reception. University of Oregon. September 1985.

"Northwest Economic Future--Where We Are and Where We're Going." Eugene Downtown Rotary Club. Eugene, Oregon. September 1985.

"The University of Oregon's Riverfront Research Park." Radio interview. Willamette Science and Technology Center's series, "Getting Technical." KWAX-FM. Eugene, Oregon. September 1985.

"Making Sure Oregon's Journey on the River Styx is Roundtrip." National Association of Accountants. Eugene, Oregon. September 1985.

"How to Make Washington's Journey on the River Styx Roundtrip." Olympia Economist Club. Olympia, Washington. March 1985.

"Northwest Economic Future--Where We Are and Where We're Going." City Club of Portland, Standing Committee on Land Use. Portland, Oregon. March 1985.

"Oregon's Economic Development: Promises and Prospects." University of Oregon, Forum. Albany, Oregon. March 1985.

"Is There Economic Life After High School?" Student Body, Sheldon High School. Eugene, Oregon. March 1985.

"The Budget Deficit and the Trade Deficit: Symptoms of the Fiscal Revolution." First United Methodist Church. Eugene, Oregon. March 1985.

"Oregon's Economic Conditions, Prospects, and Policies." Lane Democratic Forum. Eugene, Oregon. February 1985.

"Myth and Reality: Oregon's Economy and Taxes." Southern Oregon State College. February 1985.

"Can Lane County Survive?" Eugene-Springfield Real Estate Research Committee, Semi-Annual meeting. November 1984.

"The Level and Composition of Economic Growth in Greater Portland." First quarterly meeting of *The Business Journal*, Board of Economists. Portland, Oregon. July 1984.

"Strategic Economic Planning for Higher Education." Mission Planning Commission, Lewis and Clark College. January 1984.

"Is There Economic Life After High School?" Crescent Valley High School. Corvallis, Oregon. November 1983.

"The U.S. Economy." Sundstrand Data Control. Sunriver, Oregon. September 1983.

"Economics and the Editorial Page." Wendell Webb Seminar, School of Journalism. University of Oregon. June 1983.

"Is There Economic Life After High School?" Sheldon High School. Eugene, Oregon. June 1983.

"Economic Recovery: How Soon? How Good?" Parents' Weekend. University of Oregon. May 1983.

"The Economy and the College Student." Economics Department, Lewis and Clark College. May 1983.

"The Economy and College Student." College Faculty and Staff and Guests of Business, Lewis and Clark State College. Lewiston, Idaho. February 1983.

"A Business and Economic Forecast for 1983: Eugene's Economy." Business Assistance Team, The Eugene Chamber of Commerce, and Lane Community College. Eugene, Oregon. December 1982.

"Local Economic-Development: Causes and Strategies." Linn-Benton Economic Development Forum. Corvallis, Oregon. November 1982.

"Economic Development in Lake Oswego." Lake Oswego Chamber of Commerce Workshop. Inn at Spanish Head, Lincoln City, Oregon. October 1982.

"Evaluation of the Industrial Sector Forecasting Models of the Pacific Northwest Utilities." Conference Commission and the Northwest Energy Policy Project, Bonneville Power Administration Workshop. Portland, Oregon. October 1982.

"The Oregon Economy." University of Oregon Day at the Eugene Hilton. Eugene, Oregon. October 1982.

"Capitalist Theory Today." Nineteenth Annual, Grace Graham Vacation College. August 1982.

"Economic Development Strategies." City of Coos Bay Workshop. Coos Bay, Oregon. August 1982.

"Economic Development Strategies." City of Oregon City Workshop. Oregon City, Oregon. August 1982.

"Reaganomics: A Status Report." Labor Education and Research Center, UFCW Training Program. University of Oregon. July 1982.

"Plant Modernization and Its Impact on Structure of Wood Products Industry." Bureau of Governmental Research Service, University of Oregon. July 1982.

"The Current Recession and the Prospects for Surviving." Office of University Relations Workshop. Bend, Oregon. June 1982.

"Economic Development Strategies." Lake Oswego Chamber of Commerce, Forum Meeting. Lake Oswego, Oregon. May 1982.

"The Economic Outlook for the 1980s." Spring Parents' Weekend, Student University Relations Council, University of Oregon. Eugene, Oregon. May 1982.

"Economic Recovery in Lane County." Lane County Small Business Association, Lane Community College Downtown Center. Eugene, Oregon. April 1982.

"Local Economic-Development Strategies." Employment and Training Department, Lane County. Eugene, Oregon. March 1982.

"Economic Outlook for the Forest-Products Industry." Koppers Chemicals and Coatings. Eugene, Oregon. March 1982.

"Future Options for Economic Development." KOZY-TV. Eugene, Oregon. January 1982.

"Basic Concepts of Economics--Schools of Thought, from Keynes to Reaganomics and Beyond." "Economic Growth." "Policy Outcomes and Strategies for Labor." Labor Education and Research Center, Economics Seminar. Salem, Oregon. December 1981.

"Growth Industries: The Next 20 Years." Lane County Private Industry Council. Lane County Fairgrounds, Eugene, Oregon. November 1981.

"Reaganomics." Department of Economics. University of Montana. May 1981.

"Is There Life After High School." Junior Achievement's 1981 Oregon Management Conference. Inn at Otter Crest, Newport, Oregon. February 1981.

"The Economy of the Willamette Valley" and "Commercial and Industrial Locations--Some Hints About What Business Looks For." League of Oregon Cities. Portland, Oregon. November 1980.

"Economics of Today." Lecture and discussion. Economics Workshop sponsored by Rogue Community College. Grants Pass, Oregon. April 1980.

"Inflation, Recession, and Economic Growth." Lecture and discussion. Vacation College, University of Oregon. Eugene, Oregon. August 1980.

"Economic Conditions, Land-Use Patterns and Real Estate in Eugene-Springfield." Eugene Board of Realtors. Eugene, Oregon. March 1980.

"Economic Conditions, Land-Use Patterns, and Real Estate in Eugene-Springfield." Eugene Board of Realtors. Eugene, Oregon. March 1980.

"Oregon's Economy: Diagnosis and Prescription." Albany Area Chamber of Commerce. Albany, Oregon. May 1980.

"Northwest Economic Outlook." Oregon Society of Certified Public Accountants. Eugene and Portland, Oregon. November-December 1979.

"Oregon's Economy." Staff retreat, Eugene Hospital and Clinic. Eugene, Oregon. November 1979.

"Oregon's Economy." City Club of Portland. Portland, Oregon. September 1979.

"Economics: Various Viewpoints." Alumni Summer College. Linfield College. August 1979.

"Eugene's Economy and Growth Management." Lecture and discussion for a class on "Community Concerns." North Eugene High School. March 1979.

"Economic Costs of Growth Management Policies." Speech and discussion. Growth Management Workshop sponsored by Jackson and Josephine Counties and Oregon State University, Extension Service. February 1979.

"Urban Economics and Public Policy." Short Courses, Department of Urban and Regional Planning, University of Oregon. Eugene, Oregon. 1977, 1978, 1979.

"Economic Forecasts for the Eugene-Springfield Area." Emerald Executive Association. Eugene, Oregon. October 1978.

"Economic Growth in the Eugene-Springfield Area." League of Women Voters of Central Lane County. Eugene, Oregon. May 1978.

"Hood River's Economy: Some Alternatives for Local Economic Planning." County Planning Commission, City Planning Commission, County Commissioners, City Council, Chamber of Commerce, and various citizens groups. Hood River, Oregon. March 1978.

"Oregon's Non-Forest Economy." Forests and Oregon's Economic Future Conference, sponsored by the Oregon Student Public Interest Research Group (OSPIRG). Eugene, Oregon. February 1978.

"Community Development Corporations and Eugene's Economy." Community Forum Series. Eugene, Oregon. February 1978.

"The Economics of the Community School." Workshop on the Extended Family, sponsored by the Oregon Community Education Association. Eugene, Oregon. February 1978.

"The Economy of the Eugene-Springfield Metro Area." Joint session of the Retired Officers Association and the Navy League. Eugene, Oregon. January 1978.

"Lane County's Economy and Vehicles for Economic Development." Economic Development Forum, sponsored by the City of Eugene, the City of Springfield, Lane County, and the Eugene-Springfield Chamber of Commerce. Springfield, Oregon. November 1977.

"Vehicles for Economic Development: Workshops on Local Economic Planning." Conducted for the Eugene City Council. Eugene, Oregon. October-November 1977.

"Urban Fiscal Crises." Lecture and discussion. Vacation College, University of Oregon. Eugene, Oregon. August 1977.

"The Economics of Oregon's Future." Oregon Conference on Survival. Menucha in Corbett, Oregon. June 1977.

"Economic Development and Portland." Paper and discussion. Invited by Mayor Neil Goldschmidt. Portland, Oregon. November 1975.

"The Western Environmental Trade Association's (WETA's) Evaluation of OCC&DC's Coastal Zone Management Program." Oregon's Lane Conservation and Development Commission. Salem, Oregon. May 1975.

"Economic Impacts of the Proposed Pacific Rim Center." Portland City Planning Commission and the Portland City Council. August-November 1973.

"Economics and Ecology: Key Issues in the Controversy." Public Discussion Series on Environment and Population. University of Oregon. February 1970.

"Intra-Urban Industrial and Residential Location." "The Urban Ghetto Problems of Race and Poverty." "Urban Renewal and Federal Housing Policy." "Municipal Finance." "The Urban Transportation Problem." Short Course in Business and Economics, Hill Foundation Seminar for Newsmen, University of Oregon. Eugene, Oregon. July 1969.

"The Application of Benefit-Cost Analysis to Education." NDEA School Administration, In-Service Project. Eugene, Oregon. October 1968, March 1969.

"Expenditures: Oregon in Perspective." Conference on State and Local Tax Policy for Oregon: Perspectives and Alternatives. Sponsored by the School of Business and Technology, Department of Economics and the Cooperative Extension Service of Oregon State University. Corvallis, Oregon. March 1969.

"Urban Problems; Finance, Housing and Transportation." Oregon House Committee on Urban Affairs. Salem, Oregon. February 1969.

"Economics and Real Property." Oregon State Tax Commission, Appraisal Short Course, Oregon State University. Corvallis, Oregon. August 1968.

"The Function and Incidence of Taxation." Hill Foundation Seminars for Newsmen, University of Oregon. Eugene, Oregon. July 1968.

EXHIBIT D

Supplemental Filing:
The Impact of Cable Modem Service on the Public Right of Way

Prepared by:

Andrew Afflerbach, Ph.D., Principal Engineer
David Randolph, P.E., Principal Engineer

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This is a supplemental discussion of the burden imposed by cable modem service on the public rights of way (ROW). Contrary to the suggestions made by other submissions in this proceeding, the provision of cable modem service does require a far more elaborate cable system than does video.[1]

It is simply incorrect to contend, as do some filings, that adding cable modem service to a video-only cable system entails infrastructure and equipment changes only at the headend and subscriber premises (Matt-does this need cite?). On the contrary, significant, costly, and burdensome physical upgrades are necessary to transition a video-only system to advanced two-way services, as is discussed in detail in Columbia Telecommunications Corporation's (CTC) filing of June 15, 2002.

For example, consider the burden imposed by the construction of conduit in the public ROW to house all the additional fiber necessary to offer advanced, two-way services. Most of this fiber, and the conduit, is not necessary in a system that provides only digital and analog video services.

Fiber optic cable must be housed in conduit or must be armored. Unless armored, it cannot be direct-buried, which would be cheaper and less burdensome to the public ROW. The cable industry generally uses conduit to house underground fiber optic cable because conduit provides greater flexibility, scalability, and ease of repair.

The construction of conduit in the public ROW is usually accomplished by trenching (digging a trench down the ROW, laying the conduit in it, and then burying the conduit) or by boring (tunneling under the ROW approximately every 30 feet or more and then linking the tunnels).

The burden on the public ROW is not limited to the actual construction and placement of conduit. Related burdens include locating pull-boxes, vaults, or manholes in the public ROW approximately every 500 feet and at every intersection for the following reasons:

- To provide for future access to the conduit;
- To provide for future interconnection sites for the fiber;
- To store cable slack that will enable future repair or relocation;
- To protect cable splices, which have to be in sealed splice enclosures and cannot be direct-buried; and
- To place the conduit under the road.

[1] This Report refers frequently to "video-only" or "video" cable services. These terms are meant to refer to both analog and digital cable services, including traditional broadcast, pay-per-view, and multiple-channel programming (such as sports events with choice of camera angle or audio).

Pull-boxes and vaults range in size from a small to a large refrigerator. They generally do not enable access other than by hand and allow for only limited storage of slack or splicing.

Manholes tend to be far larger, sometimes as large as a room-size vault. They enable underground entry by cable company personnel in order to enable splicing, cable break-out, storage of slack, and other cable maintenance. Both pull-boxes and manholes are generally accessed through a hand-hole or manhole in the public ROW.

Burying such boxes underground requires digging large holes in the public ROW, frequently in the road itself. Extensive repair is necessary to the public ROW, particularly the roadway, after the construction of conduit. Unfortunately, the repairs are frequently substandard and inadequate to return the public ROW to its pre-construction condition. As a result, the long-term burden of repair and reconstruction falls on the local government and on taxpayers.

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Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of	)	
Inquiry Concerning High Speed Access to the Internet Over Cable and Other Facilities	)	GN Docket No. 00-185
Internet Over Cable Declaratory Ruling	)	
Appropriate Regulatory Treatment for Broadband Access to the Internet Over Cable Facilities	)	CS Docket No. 02-52

COMMENTS OF ALLIANCE OF LOCAL ORGANIZATIONS AGAINST PREEMPTION ("ALOAP")

DECLARATION OF ANDREW AFFLERBACH, Ph.D.

1. My name is Andrew Afflerbach. I am Principal Engineer for Columbia Telecommunications Corporation. I hold a Ph.D. and M.S. in astronomy from the University of Wisconsin and a B.S. in physics from Swarthmore College. I have served as an engineer in evaluating and overseeing cable company design and construction full-time for the past six years and part-time for the previous ten years. I specialize in oversight of cable system upgrades and in analysis of emerging technologies. I have published extensively in scholarly journals and trade association publications, including an extensive primer on cable technology that was published by the International County/City Management Association.

2. I am the author of the August 2002 Columbia Telecommunications Corporation Supplementary Report titled "The Impact of Cable Modem Service on the Public Right of Way." Based on my knowledge and experience, the Report is accurate.

Verification

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief, and that this declaration was executed on August 5, 2002, in Columbia, Maryland.

Andrew Afflerbach

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of	)	
Inquiry Concerning High Speed Access to the Internet Over Cable and Other Facilities	)	GN Docket No. 00-185
Internet Over Cable Declaratory Ruling	)	
Appropriate Regulatory Treatment for Broadband Access to the Internet Over Cable Facilities	)	CS Docket No. 02-52

COMMENTS OF ALLIANCE OF LOCAL ORGANIZATIONS AGAINST PREEMPTION ("ALOAP")

DECLARATION OF DAVID L. RANDOLPH

1. My name is David L. Randolph. I hold a professional engineer (P.E.) license and a Masters of Science in Electrical Engineering. I have thirty-five years of experience in the cable industry, including operation, design, construction of new cable systems, rebuilds, and upgrades of over 200 cable systems using microwave, fiber optics, and active reverse. The cable systems I built or upgraded provide services including both analog and digital addressable technology, and high-speed two-way services. Most recently, I served as Regional Vice President for Engineering for Adelphia Cable for the West Coast and Southwest regions. In

that capacity, I oversaw the consolidation, upgrade, and rebuild of numerous cable systems for such services as digital TV, high-speed data, and voice over IP.

2. I contributed to the August 2002 Columbia Telecommunications Corporation Supplementary Report titled "The Impact of Cable Modem Service on the Public Right of Way." Based on my knowledge and experience, the Report is accurate.

Verification

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief, and that this declaration was executed on August 5, 2002, in Apple Valley, California.

David Randolph

David Randolph