

CURRICULUM VITAE

NAME:

Allan T. Scholz

ADDRESS:

Department of Biology
258 Science Hall
Eastern Washington University
Cheney, Washington 99004

TELEPHONE:

(509) 359-6397 Office

CITIZENSHIP:

United States

EDUCATION:

<i>Institution and Location:</i>	<i>Degree</i>	<i>Year Conferred:</i>
University of Wisconsin-Madison	B.S. Zoology	1976
University of Wisconsin-Madison	M.S. Zoology	1977
University of Wisconsin-Madison	Ph.D. Zoology	1980

RESEARCH AND TEACHING EXPERIENCE:

<i>Date:</i>	<i>Job Description:</i>	<i>Location:</i>	<i>Courses Taught / Duties:</i>
1967-75	Field and Laboratory Assistant	University of Wisconsin Laboratory of Limnology Madison, WI	Salmon migration and orientation project in San Juan Islands, British Columbia, Alaska, Japan, Lake Michigan and Lake Superior
1969	Fisheries Technician	National Marine Fisheries Service Seattle, WA	Puget Sound and Columbia River Salmon tracking
1972-76	Fisheries Research Technician	Wisconsin Department of Natural Resources Madison, WI	Salmon and trout imprinting project in Lake Michigan and Lake Superior
1976	Teaching Assistant	University of Wisconsin Department of Zoology Madison, WI	Biological Diversity
1976-78	Graduate Research Assistant	University of Wisconsin Laboratory of Limnology Madison, WI	Salmon imprinting project (Lake Michigan)
1978-79	Teaching Assistant	University of Wisconsin Department of Zoology Madison, WI	Limnology Ecology of Fishes Comparative Physiology Organismal Biology
1980	Postdoctoral Fellow	University of Wisconsin Laboratory of Limnology	Salmon imprinting project

Madison, WI

<i>Date:</i>	<i>Job Description:</i>	<i>Location:</i>	<i>Courses Taught / Duties:</i>
1980-84 1985-89 1989- Present	Assistant Professor Associate Professor (Tenured 1986) Professor	Eastern Washington University Department of Biology	Ichthyology Marine Ichthyology Fisheries Management Columbia River Fisheries Fisheries Field Techniques Aquatic Ecology Marine Biology Vertebrate Zoology Field Ecology Marine Field Ecology Intro. Biol. I Intro. Biol. II Intro. Biol. III Biological Investigation (Intro lab)
Summer 1983/1994	Visiting Professor	Shannon Point Marine Laboratory Western Washington University Annacortes, WA	Marine Ichthyology
1984- 1998	Director	Upper Columbia United Tribes Fisheries Research Center Eastern Washington University Department of Biology Cheney, WA	Rehabilitation of resident fish in the Upper Columbia Basin.
1989- 1991	Director	Turnbull Laboratory for Ecological Studies Eastern Washington University Department of Biology Cheney, WA	Oversight of research facility on Turnbull National Wildlife Refuge.

MEMBERSHIPS ON REGIONAL COMMITTEES:

- | | |
|-----------|---|
| 1988-2001 | Member, Lake Roosevelt Kokanee Salmon Hatcheries Steering Committee (Spokane Tribe, Colville Confederated Tribes, Washington Department of Fish and Wildlife, Bonneville Power Administration). |
| 1992-1998 | Member, US Fish and Wildlife Service, Colorado River Basin Fisheries Project, Chemosensory Project Steering Committee for endangered Colorado squawfish and razorback sucker. |

1992-1994 Member, Joint Committees of US Fish and Wildlife Service, Idaho Department of Fish and Game, Montana Department of Fish, Wildlife, and Parks, and Kootenai Tribe of Idaho attempting to develop recovery strategy for Kootenai River white sturgeon.

1992-1994 Member, Spokane County Shoreline Program Advising Committee.

1991-1992 Member, U.S. Bureau of Reclamation/U.S. Army Corps of Engineer/Bonneville Power Administration. Columbia River System Operation Review, Resident Fish Committee.

1989-1994 Member, Lake Roosevelt Forum, Fish and Wildlife Committee.

1989-1991 Member, Coeur d'Alene Basin Interagency Group. Representative for Coeur d'Alene Tribe.

1989-1991 Member, Technical Advisory Committee for the Dawn Mining Company Uranium Mill site closure, Washington Department of Social and Human Services, Office of Radiation Protection.

1988-1995 Member, Bonneville Power Administration, Kootenai River Sturgeon Hatchery Steering Committee.

1987-1997 Member, Columbia Basin Fish and Wildlife Authority, Members Steering Committee.

1987-1996 Columbia Basin Fish and Wildlife Authority, Resident Fish Committee (Chairman 1987-1989).

1987-1991 Member, Columbia Basin Fish and Wildlife Authority, Wildlife Committee.

1987-1989 Member, Albeni Falls Dam Wildlife Mitigation Planning Team.

1987 Member, Columbia River Fish Passage Center Biologist Hiring Committee.

1985-1987 Member, Northwest Power Planning Council, Resident Fish Advisory Committee.

1985-1987 Northwest Power Planning Council, Anadromous Fish Losses and Goals Advisory Committee.

1986-1987 Member, Grand Coulee Dam Wildlife Mitigation Planning Team.

1984-1987 Grand Coulee Reservoir Fisheries Technical Committee. Washington Department of Wildlife, Colville and Spokane Indian Tribes. Representative for Spokane Tribe. Developed fisheries rehabilitation plan for Lake Roosevelt.

1984-1991 Columbia Basin Tribal Water Budget Advisory Committee. Representative for Upper Columbia United Tribes.

1984 State and Federal Fisheries Agencies and Columbia Basin Indian Tribes, Losses and Goals Committee -- Member of technical work group that developed a joint proposal

for submission to the Northwest Power Planning Council for estimating hydropower induced losses and setting production goals for salmon and steelhead under the Council's Columbia Basin Fish and Wildlife Program.

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

American Fisheries Society (LIFE MEMBER)

American Society of Ichthyologists and Herpatologists

Northwest Scientific Association

Sigma Xi

AWARDS/HONORS

1978 National Sea Grant Graduate Student Research Award.

1986 Eastern Washington University, Board of Trustees Medal.

1987 Election to Phi Kappa Phi.

1988 Washington Centennial Scholars Speakers Bureau. Topic: History of the fisheries in the Upper Columbia Basin.

1989 Nominated for CASE Professor of the Year Award.

2001 Excellence Eastern Washington University, College of Science, Mathematics and Technology, Chair's Award for Service (on Library Affairs Council).

FUNDED RESEARCH GRANTS:

1979 Davis Fund Research Committee -- University of Wisconsin. Hormonal regulation of smolt transformation and olfactory imprinting in coho salmon. \$1,500.

1980 Trout and Salmon Foundation (with A.D. Hasler). TSH induction of smolt transformation in salmonids. \$3,000.

1981 Northwest Institute for Advanced Study. Goldfish behavior as a tool for removal programs in Eastern Washington lakes. \$1,435.

1982 Northwest Institute for Advanced Study (with Ronald J. White). Thyroid influences on imprinting behavior and brain maturation in salmon. \$3,400.

1982 State of Washington Water Research Center/Office of Water Resources and Technology (OWRT Grant No. A-112-WASH. WSU Project No. 143-10E-3991-5506). Alternatives to toxicants for goldfish eradication: Goldfish behavior as a tool for removal programs. \$14,977.

1982 State of Washington Department of Ecology/City of Medical Lake, WA (Grant No. WGF-82-041) (with Ray Soltero). The impact of trout/zooplankton predator-prey dynamics upon the restoration of Medical Lake, Spokane County, WA \$33,600.

- 1983 National Science Foundation. Acquisition of electrofishing boat with sonar and radiotracking systems for conducting fisheries research. \$34,997.
- 1983 Northwest Institute for Advanced Study. Harbor seal population estimates in northern Puget Sound. \$3,600.
- 1983 University of Washington Sea Grant Program. Radiotelemetry investigations of harbor seals at the Padilla Bay National Estuarine Sanctuary. \$2,500.
- 1983 State of Washington Water Research Center/Office of Water Policy. Developing alternative management technology for control of rough fish. \$12,500.
- 1983 Contract. Fish survey on west branch of Little Spokane River. \$497.
- 1983 Contract. Fisheries study in conjunction with Sheep Creek hydroelectric project. \$1,129.
- 1984 Northwest Institute for Advanced Study (with Ray Soltero). Biomanipulation of a trout fishery and its effect upon zooplankton community dynamics, phytoplankton productivity, water quality and fisheries potential of Medical Lake, Spokane County, WA. \$3,300.
- 1984 Washington Department of Ecology/City of Medical Lake, WA. (Extension of Grant No. WGF-82-041) Computer modeling of the Medical Lake ecosystem as a basis for intentional biomanipulation of the trout fishery and its impact upon the biota and water quality of Medical Lake. \$13,200.
- 1984 Bonneville Power Administration/Upper Columbia United Tribes. Developing a proposal for salmon mitigation and enhancement in the Columbia River System. \$18,800.
- 1984 University of Washington Sea Grant Program. Travel grant to attend salmon smoltification workshop in Pitlochry, Scotland. \$1,000.
- 1984 Administration for Native Americans/Upper Columbia United Tribes. Coordination with Northwest Power Planning Council's Fish and Wildlife Program and fish surveys of the Spokane, Kootenai, and Pend Oreille Rivers and Lake Coeur d'Alene. \$81,000.
- 1985 Bureau of Indian Affairs. Assessment of the effect of acid mine water on the rainbow trout fishery in Blue Creek, Spokane Indian Reservation. \$4,506.
- 1985 Northwest Power Planning Council. Resident fish production data base for the Upper Columbia River Basin above Grand Coulee Dam. \$19,998.
- 1985 Northwest Power Planning Council. Data base for estimating historical run sizes of anadromous fish in the Columbia River Basin and identification of factors contributing to losses. \$3,000.
- 1985 Washington Department of Game. Limnological and fisheries assessment of a rotenone rehabilitation project at Sprague Lake, Lincoln County, WA. \$20,000.
- 1985 Washington Department of Ecology/City of Medical Lake. Testing the predictive capabilities of the Medical Lake computer simulation model. \$13,000.
- 1985 Loon Lake and Deer Lake Property Owners Associations. Kokanee salmon investigations at Deer and Loon Lakes. \$7,250.

- 1985 Administration for Native Americans. Operating budget for Upper Columbia United Tribes Fisheries Center, EWU, Dept. of Biology. \$113,000.
- 1985 Bureau of Indian Affairs. Fisheries hydrology studies of Chamokane Creek, Spokane Indian Reservation. \$65,000.
- 1985 Bureau of Indian Affairs (with Don Nichols). Fisheries and invertebrate study of Blue Creek, Spokane Indian Reservation. \$60,500.
- 1986 Washington Department of Wildlife/Bonneville Power Administration. Assessment of wildlife losses and development of a wildlife mitigation plan for the Spokane Indian Reservation. \$5,400.
- 1986 Bureau of Indian Affairs (with L. Goodrow). Funding for operation of Upper Columbia United Tribes Fisheries Center. \$30,900.
- 1986 Northwest Institute for Advanced Study (with R.J. White). Characterization of thyroid receptors in steelhead smolts via Scatchard Plot analysis. \$8,000.
- 1986 Bureau of Indian Affairs (with John Buchanan, EWU Dept. of Geology). Hydrogeological characterization of the Chamokane Creek Aquifer. \$50,100.
- 1987 Bureau of Indian Affairs. Determining instream flows to protect fish and invertebrates at Chamokane Creek using the Instream Flow Incremental Method (IFIM). \$35,000.
- 1987 Washington Department of Ecology. Rainbow Trout population estimate at Medical Lake, Spokane County, WA. \$4,500.
- 1987 Northwest Institute for Advanced Study (with R.J. White and F. Gibson). Biological inventory and limnological survey of Granite Lake, Spokane County, WA. \$18,700.
- 1987 Kalispel Tribe of Indians. Fisheries and limnological monitoring of the Pend Oreille River before construction of a TMP Newsprint mill. \$80,000.
- 1987 Bureau of Indian Affairs. Determining effects of acid mine pollution from the Midnite Uranium Mine on fish and invertebrates of Blue creek (extension). \$35,000.
- 1987 Washington Department of Wildlife. Biological assessment of Sprague Lake rehabilitation project. \$6,000.
- 1987 Bureau of Indian Affairs (with L. Goodrow). Operating budget for Upper Columbia United Tribes Fisheries Center, EWU Department of Biology. \$120,000.
- 1987 Northwest Power Planning Council (with D. Geist and J.K. Uehara). Cutthroat and bull trout investigations, low capital hatchery construction and habitat restoration on the Coeur d'Alene Indian Reservation. Amendment to Power Council's Fish and Wildlife Program. Approved February 1987.
- 1987 Northwest Power Planning Council (with J. Hisata, Washington Department of Wildlife and J. Marco, Colville Confederated Tribes). Fisheries investigations, kokanee hatchery construction and rainbow trout habitat restoration on the Spokane and Colville Indian Reservations and State of Washington lands adjacent to Franklin D. Roosevelt (Grand Coulee) Reservoir. Amendment to Power Council's Fish and Wildlife Program. Approved in February 1987. Approximately \$4 million was spent to construct two kokanee hatcheries for Lake Roosevelt which became operational in 1991 and 1992.

- 1987 Northwest Power Planning Council. Fisheries investigations on the Pend Oreille River adjacent to the Kalispel Indian Reservation. Amendment to Power Council's Fish and Wildlife Program. Approved February 1987.
- 1987 Northwest Power Planning Council. Fisheries Investigations and a low capital Sturgeon hatchery on the Kootenai Indian Reservation. Amendment to Power Council's Fish and Wildlife Program. Approved in February 1987. The Sturgeon hatchery was completed at a cost of approximately \$600,000 in 1991.
- 1987 Bonneville Power Administration/Idaho Department of Fish and Game. Wildlife mitigation planning for Albeni Falls Dam. \$4,200.
- 1988 United States Congressional Appropriation to fund operation of the Upper Columbia United Tribes Fisheries Center, EWU, Department of Biology. \$496,000.
- 1988 United States Congressional Appropriation to fund Spokane and Kalispel Indian Tribe's participation in Washington State's Timber, Fish and Wildlife Program \$110,000.
- 1988 Bonneville Power Administration. Assessment of fishery improvement opportunities on the Pend Oreille River. \$141,442.
- 1988 Bonneville Power Administration. Lake Roosevelt Monitoring Program to evaluate effectiveness of Lake Roosevelt kokanee hatcheries. \$100,670.
- 1988 Bonneville Power Administration. Experimental sturgeon culture station and Kootenai River sturgeon investigations. \$143,347.
- 1989 United States Congressional Appropriation to fund operation of the Upper Columbia United Tribes Fisheries Center, EWU, Department of Biology. \$392,116.
- 1989 Bonneville Power Administration. Lake Roosevelt monitoring program to evaluate effectiveness of Lake Roosevelt Kokanee hatcheries (continuation). \$202,952.
- 1989 United States Congressional Appropriation to fund Spokane and Kalispel Indian Tribes participation in Washington State's Timber, Fish and Wildlife Program. \$117,000.
- 1989 Bonneville Power Administration. Assessment of fishery improvement opportunities on the Pend Oreille River (continuation). \$153,232.
- 1989 Washington Department of Fisheries. Salmon Centennial Grant for developing a net pen culture system for the Spokane Tribe of Indians. \$2,000
- 1989 Bonneville Power Administration. Capital costs for constructing an experimental sturgeon culture station on the Kootenai Indian Reservation. \$150,000.
- 1990 United States Congressional Appropriation to fund operation of the Upper Columbia United Tribes Fisheries Center, EWU, Department of Biology. \$309,000.
- 1990 Bonneville Power Administration. Continuation of Lake Roosevelt monitoring program to evaluate effectiveness of Lake Roosevelt kokanee hatcheries. \$193,000.
- 1990 United States Congressional Appropriation to fund Spokane and Kalispel Tribe's participation in Washington State's Timber Fish and Wildlife Program. \$128,000.

- 1990 Bonneville Power Administration. Assessment of fishery improvement opportunities in the Pend Oreille River (continuation). \$54,298.
- 1990 Bonneville Power Administration/Coeur d'Alene Tribe. Enhancing cutthroat and bull trout in tributaries of the Coeur d'Alene Indian Reservation: Baseline fisheries and habitat surveys. \$79,829.
- 1991 Bonneville Power Administration. Continuation of Lake Roosevelt Monitoring Program to evaluate effectiveness of Lake Roosevelt Kokanee Hatcheries. \$210,000.
- 1991 United State Congressional Appropriation to fund Spokane and Kalispel Tribes participation in Washington State's Timber, Fish and Wildlife Program. \$127,000.
- 1991 Bonneville Power Administration. Biological investigations in Lake Roosevelt for System Operations Review. \$97,000.
- 1991 Bonneville Power Administration. Enhancing cutthroat trout and bull trout in tributaries of the Coeur d'Alene Indian Reservation (Continuation). \$117,000.
- 1991 Pendoray Newsprint Company/Kalispel Tribe of Indians. Post-operational limnological and biological assessment of a TMP Newsprint on the Pend Oreille River. \$83,040.
- 1991 U.S. Bureau of Indian Affairs/Kalispel Tribe. Water quality monitoring of a TMP Newsprint Mill near the Kalispel Indian Reservation. \$10,593.
- 1991 U.S. Environmental Protection Agency. Baseline assessment of water resources and water quality on the Spokane and Kalispel Indian Reservations. \$117,862.
- 1991 U.S. Congressional Appropriation for operation of the Upper Columbia United Tribes Fisheries Center at Eastern Washington University. \$177,583 to EWU, \$75,377 to Spokane Tribe and \$43,040 to Coeur d'Alene Tribe.
- 1991 U.S. Bureau of Indian Affairs. Water quality planning for Spokane and Kalispel Indian Reservations. Baseline assessment of water quality and fisheries in Little Falls Reservoir, Spokane Indian Reservation. \$19,846.
- 1991 U.S. Environmental Protection Agency (with Kate O'Laughlin). Analysis of heavy metals in well water from the Kalispel Indian Reservation \$3,475.
- 1991 Bonneville Power Administration/Washington Department of Wildlife Interagency Agreement (with Steve Martin). Bull trout, steelhead trout and chinook salmon interactions in southeastern Washington tributaries of the Snake River. \$63,795
- 1992 Bonneville Power Administration Spokane Tribe of Indians (with Ronald J. White). Determination of the critical period for synthetic chemical imprinting in kokanee salmon \$47,299.
- 1992 U.S. Bureau of Reclamation (with Ronald J. White). Cooperative agreement for chemical imprinting of Colorado squawfish and razorback suckers. Total award \$360,183 (\$37,646 for 1992).
- 1992 Bonneville Power Administration/Colville Confederated Tribes. Fish and Wildlife habitat enhancement at Blue Creek, Spokane Indian Reservation. \$57,500.

- 1992 Bonneville Power Administration. Biological investigation of Lake Roosevelt for Systems Operation Review (Continuation). \$161,277. (To Spokane Tribe of Indians).
- 1992 U.S. Bureau of Indian Affairs (with Becky Ashe). An inventory and assessment of quantity of quality of surface waters on the Spokane Indian Reservation. \$41,770
- 1992 U.S. Congressional Appropriation for Operation of the Upper Columbia United Tribes Fisheries Center at Eastern Washington University. \$297,000.
- 1993 Bonneville Power Administration / Spokane Tribe of Indians (with Ronald J. White). Assessment of smolt transformation and critical period for imprinting in Lake Roosevelt kokanee salmon. \$47,000.
- 1993 U.S. Bureau of Reclamation (with Ronald J. White). Colorado squawfish and razorback sucker chemosensory project. \$37,000.
- 1993 U.S. Congressional Appropriation for operation of the Upper Columbia United Tribes Fisheries Center at Eastern Washington University. \$299,000.
- 1994 Washington Department of Wildlife. Age and growth analysis of Yakima River resident trout. \$4,500.
- 1994 Bonneville Power Administration/Spokane Tribe of Indians (with Ronald J. White). Thyroid induced olfactory imprinting and smolt transformation in kokanee salmon. \$44,000.
- 1994 Bureau of Reclamation. Colorado squawfish and razorback sucker chemosensory project (continuation). \$37,000.
- 1994 U.S. Congressional Appropriation for Operation of Upper Columbia United Tribes Fisheries Center at Eastern Washington University and UCUT Reservations. \$296,000
- 1995 Bureau of Indian Affairs (Upper Columbia United Tribes) Operating Budget for Upper Columbia United Tribes Fisheries Center at Eastern Washington University. \$108,800
- 1995 Bonneville Power Administration (Spokane Tribe) Lake Roosevelt Kokanee Salmon Imprinting Project. \$19,200.
- 1996 Bureau of Indian Affairs (Upper Columbia United Tribes) Operating Budget for Upper Columbia United Tribes Fisheries Center at Eastern Washington University. \$35,248.
- 1996 Bonneville Power Administration (Spokane Tribe) Lake Roosevelt Kokanee Salmon Imprinting Project. \$95,231.
- 1996 Bureau of Reclamation Chemoreception Investigations of razorback sucker and Colorado Squawfish (Colorado River Fisheries Project). \$9,910.
- 1996 EWU Foundation / Eastern Washington University. Computer hardware and software for preparing biology lectures for computerized classrooms. \$13,000.
- 1997 Bonneville Power Administration (Spokane Tribe) Lake Roosevelt Kokanee Salmon Imprinting Project. \$95,231.
- 1997 Bureau of Indian Affairs (Upper Columbia United Tribes) Operating Budget for Upper Columbia United Tribes Fisheries Center at Eastern Washington University. \$35,248.

- 1997 Bureau of Reclamation Chemoreception Investigations of razorback sucker and Colorado Squawfish (Colorado River Fisheries Project). \$12,000.
- 1997 Hach Chemical Company. Donation of water quality sampling equipment to EWU Fisheries Program. \$8,300.
- 1998 Bonneville Power Administration (Spokane Tribe) Lake Roosevelt Kokanee Salmon and Walleye Investigation. \$135,000.
- 1998 Wildlife Supply Company. Donation of sampling equipment to EWU Fisheries Program. \$3,200.
- 1998 Bonneville Power Administration (Kalispel Tribe). Spokane River Fish Stock Assessment: Compilation of existing data. \$11,690.
- 1998 Spokane Walleye Club. Donation to purchase 4-WD truck for EWU Fisheries Program. \$12,000.
- 1999 Bonneville Power Administration (Spokane Tribe) (with M.B. Tilson and J. McLellan). Kokanee Salmon Coded Wire Tagging Investigation and Walleye Population Dynamics in Lake Roosevelt. \$114,901.
- 1999 U.S. Fish and Wildlife Service. Thyroid hormone content investigation to determine imprint timing in pallid sturgeon and paddle fish. \$13,375.
- 1999 Washington Department of Fish and Wildlife. Sprague Lake fishery assessment to evaluate long-term effects of Sprague Lake Restoration Project. \$24,138.
- 1999 Washington Department of Fish and Wildlife. Collection of baseline information to develop a fishery management plan for Rock Lake. \$24,202.
- 1999 Spokane Walleye Club. Donation toward purchase of new boat motor for EWU electrofishing boat. \$3,000.
- 1999 Kettle Falls Walleye Club. Donation toward purchase of a new boat motor for EWU electrofishing boat. \$1,000.
- 1999 Pend Oreille Walleye Club. Donation toward purchase of a new boat motor for EWU electrofishing boat. \$200.
- 2000 Bonneville Power Administration (Spokane Tribe). Kokanee salmon and walleye investigations in Lake Roosevelt (continuation). \$112,339.
- 2000 (with Mike Lewis, WDFW). Bonneville Power Administration. Improvements to water supply at WDFW Ford, WA hatchery and Moses Lake, WA creel survey. Funded in 2001.
- 2001 (with H. McLellan) Bonneville Power Administration (Spokane Tribe). Comparison of performance of two stocks of kokanee salmon released in Lake Roosevelt. \$96,543.
- 2001 (with J. Scott) Bonneville Power Administration (Coeur d'Alene Tribe and JUD Engineering, Spokane, WA). Assessment of food habits of fishes in Coeur d'Alene Lake, ID to forecast impact on stocking of adfluvial hatchery fish released in tributary streams. \$31,345.
- 2001 (with J. McLellan, WDFW and H. McLellan, EWU). Bonneville Power Administration. Fish stock status in Palouse River and upper Crab Creek watersheds. \$2,042,262 over period of

4 years. Submitted by WDFW in April 2001. Approved for funding by Northwest Power Planning Council's Independent Scientific Review Panel in August 2001. Currently in process to determine when funding will occur.

- 2001 Bureau of Land Management. Development of field guide to resident fish of the interior Columbia River Basin in eastern Washington. \$10,000.
- 2002 Bureau of Land Management. Field guide to resident fish of the interior Columbia River Basin in eastern Washington (continuation). \$9,000.
- 2002 (with H. McLellan). Bonneville Power Administration (Spokane Tribe). Comparison of two stocks of kokanee salmon released in Lake Roosevelt (continuation). Proposal submitted in January 2002, funding pending. \$65,000.

PUBLICATIONS:

- 1972 Scholz, A.T., D.M. Madison, A.B. Stasko and A.D. Hasler. Orientation of salmon in response to water currents in or near the home stream. *Amer. Zool.* 12:654.
- 1972 Madison, D.M., A.T. Scholz and A.D. Hasler. Behavioral evidence for imprinting to chemical cues in salmon. *Amer. Zool.* 12:13.
- 1973 Scholz, A.T., J.C. Cooper, D.M. Madison, R.M. Horrall, A.D. Hasler, A.E. Dizon and R.J. Poff. Olfactory imprinting in coho salmon: Behavioral and electrophysiological evidence. *Proc. Conf. Great Lakes Res.* 16: 143-153.
- 1973 Madison, D.M., A.T. Scholz, J.C. Cooper, R.M. Horrall and A.D. Hasler. Olfactory hypothesis and salmon migration: A synopsis of recent findings. *Fish. Res. Bd. Canada Tech. Rep.* 414, 37 pp.
- 1975 Scholz, A.T., R.M. Horrall, J.C. Cooper, A.D. Hasler, D.M. Madison, R.J. Poff and R.I. Daly. Artificial imprinting of salmon and trout in Lake Michigan. *Wisc. Dept. Nat. Resources Fish. Mgmt. Rept. No. 80*, 46 pp.
- 1976 Scholz, A.T., R.M. Horrall, J.C. Cooper and A.D. Hasler. Imprinting to chemical cues: The basis for homestream selection by salmon. *Science* 196: 1247-1249.
- 1976 Cooper, J.C. and A.T. Scholz. Homing of artificially imprinted steelhead trout. *J. Fish. Res. Board Can.* 33: 826-829.
- 1976 Cooper, J.C., A.T. Scholz, R.M. Horrall and A.D. Hasler. Experimental confirmation of the olfactory hypothesis with artificially imprinted coho salmon. *J. Fish. Res. Board Can.* 33: 703-710.
- 1978 Scholz, A.T., J.C. Cooper, R.M. Horrall and A.D. Hasler. Homing of morpholine imprinted brown trout, *Salmo trutta*. *Fish. Bull.* 76: 293-295.
- 1978 Scholz, A.T., C.K. Gosse, J.C. Cooper, R.M. Horrall, A.D. Hasler, R.J. Poff and R.I. Daly. Homing of rainbow trout transplanted in Lake Michigan: A comparison of three procedures used for imprinting and stocking. *Trans. Am. Fish. Soc.* 107: 439-444.
- 1978 Hasler, A.D., and A.T. Scholz. Olfactory imprinting in coho salmon. In K. Schmidt Koenig and W.T. Keeton (eds.). *Animal Migration, Navigation and Homing*. Springer Verlag, New York. pp. 356-369.

- 1978 Hasler, A.D., A.T. Scholz and R.M. Horrall. Olfactory imprinting and homing in salmon. *Amer. Sci.* 66: 347-355.
- 1980 Scholz, A.T. *Hormonal regulation of smolt transformation and olfactory imprinting in coho salmon*. Ph.D. Thesis. University of Wisconsin, Madison. 363 pp.
- 1982 Scholz, A.T. Thyroid activation of olfactory imprinting in coho salmon. In E.L. Brannon, (ed.) *Proceedings of Salmon and Trout Migratory Behavior Symposium*. Univ. Wash., Seattle, WA.
- 1982 Hasler, A.D. and A.T. Scholz. Artificial imprinting: A procedure for conserving salmon stocks. pp 179-199. In J. Bardach, J.J. Magnuson and R.C. May (eds). *Fish Behavior and its use in the Capture and Culture of Fishes*. ICLARM Conference Proceedings 5, 512 p. International Center for Living Aquatic Resource Management, Manila, Philippines.
- 1982 Scholz, A.T. and S. Krival. Ultrasonic tracking of goldfish in Clear Lake, Spokane County, WA. *Underwater Telemetry Newsletter* 12(2): 4-5.
- 1983 Hasler, A.D. and A.T. Scholz. *Olfactory Imprinting and Homing in Salmon: Investigations into the Mechanism of the Imprinting Process*. *Zoophysiology*, Vol. 14. Springer-Verlag, Berlin, Heidelberg, New York, Tokyo. 134 pp.
- 1983 Scholz, A.T. The seasonal distribution and aggregation behavior of goldfish (*Carassius auratus L.*) in eastern Washington lakes: New technology for control of goldfish populations based on their behavioral ecology. Final report to Office of Water Policy/Washington Water Research Center OWP project No. A-112-WASH, OWP Agreement No.14-34-001-2151. 26 pp.
- 1983 Scholz, A.T. Report of fish survey conducted on the west branch of the Little Spokane River. Final report submitted to Mr. David Pierce, Rt. 1, Box 238, Chatteroy, WA 99003. 8 pp.
- 1983 Scholz, A.T., D. Geist, M. Shiffer, T. Kleist and D. Engle. Report of fish survey conducted on Sheep Creek, Ferry County, WA in conjunction with the Sheep Creek hydroelectric project. Final report submitted to Mr. Glen Phillips, Rt. 3, Box 25, Northport, WA 99157. 14 pp.
- 1984 Scholz, A.T., S. Krival, J. Uehara, E. Anderson, S. O'Neil and M. Muzi. Field investigations on the behavioral ecology of goldfish in Clear and Medical Lakes, Spokane County, WA: Developing new management technology for control of goldfish populations. In W. Funk, (ed.) *Proceedings of the Conference on Washington and Idaho Lakes and Their Future*. American Water Resources Association and Washington Water Research Center, Washington State University, Pullman, WA.
- 1984 Uehara, J.K., A.T. Scholz, B.Z. Lang and E. Anderson. The incidence of the ectoparasitic copepod, *Lernaea cyprinacea L.* on four species of fish in Medical Lake, Washington. *J. Parasitology* 70(1):183-184.
- 1985 Scholz, A.T. Further investigations of goldfish in eastern Washington lakes and evaluation of electrofishing as a tool for conducting removal operations. Project completion Report to Office of Water Policy/Washington Water Research Center. OWP Project No. A-112-WASH; O.W.P. Agreement No. 14-34-2151. 15 pp.
- 1985 Scholz, A.T., R.J. White, M. Muzi, and T. Smith. Uptake of radio-labeled triiodothyronine in the brain of steelhead trout (*Salmo gairdneri*) during parr-smolt transformation:

- Implications for the mechanism of thyroid activation of olfactory imprinting. *Aquaculture* 45: 199-214.
- 1985 Scholz, A.T., R. Soltero, E. Anderson, K. O. McKee, and J.K. Uehara. Biomaniipulation of a trout fishery and its effect upon zooplankton community dynamics, phytoplankton productivity, and water quality of Medical Lake, Spokane County, WA. *Proc. N. Amer. Lake Mgmt. Soc.* 4: 48-56.
- 1985 Scholz, A.T., J.K. Uehara, D. Geist, T. Kleist, K. O'Laughlin, and I. Zozaya. Resident Fish production data base for the Upper Columbia River Basin above Chief Joseph/Coulee Dams. Final Report submitted to Northwest Power Planning Council. August 8, 1985. 276 pp.
- 1985 Scholz, A.T., J.K. Uehara, D. Geist, T. Kleist, E. Anderson, K. O'Laughlin, L. Field, and I. Zozaya. Users Manual: Documentation for Resident Fish Production Program. Final Report Submitted to Northwest Power Planning Council August 8, 1985. 121 pp.
- 1985 Scholz, A.T., J.K. Uehara, and D. Geist. Rainbow trout production in Blue Creek, a tributary of Lake Roosevelt on the Spokane Indian Reservation. Upper Columbia United Tribes Fisheries Center. Technical Report No. 1: 24 pp.
- 1985 Scholz, A.T., K. O'Laughlin, D. Geist, D. Peone, J. Uehara, L. Field, T. Kleist, I. Zozaya, and K. Teesatuskie. Compilation of information on salmon and steelhead total run size, catch, and hydropower related losses in the Upper Columbia River Basin above Grand Coulee Dam. Upper Columbia United Tribes Fisheries Center. Technical Report No. 2: 168 pp.
- 1986 Scholz, A.T., J.K. Uehara, J. Marco and J. Hisata. Feasibility report on restoration of Lake Roosevelt Fisheries. In: Northwest Power Planning Council. Applications for Amendments: Columbia River Basin Fish and Wildlife Program. Vol. 4. pp 1215-1374.
- 1986 Scholz, A.T., D.R. Geist and J.K. Uehara. Feasibility report on restoration of Coeur d' Alene Tribal fisheries. In: Northwest Power Planning Council. Application for Amendments: Columbia River Basin Fish and Wildlife Program. Vol. 3: pp 1489-1578.
- 1986 Geist, D.R. and A.T. Scholz. Feasibility report for mitigation of the Kalispel Tribal Fisheries. In: Northwest Power Planning Council. Application for Amendments: Columbia River Basin Fish and Wildlife Program. Vol. 4. pp 1375-1488.
- 1986 Uehara, J.K. and A.T. Scholz. Feasibility report on a low capital sturgeon/kokanee hatchery on the Kootenai River. In: Northwest Power Planning Council. Application for Amendments: Columbia River Basin Fish and Wildlife Program. Vol. 3. pp. 1039-1056.
- 1986 Scholz, A.T., R. Plotnikoff, J.K. Uehara, D.R. Geist and K. O'Laughlin. Ecological assessment of rainbow trout and benthic macro-invertebrates in Blue Creek: Preliminary findings on the effects of acid mine contamination from the Midnite Uranium Mine. Upper Columbia United Tribes Fisheries Center Fisheries Technical Report No. 3: 22 pp.
- 1986 Brittingham, M.C., T. Peone and A.T. Scholz. Aerial survey of whitetail and mule deer on the Spokane Indian Reservation: winter counts 1986. Upper Columbia United Tribes Fisheries Center. Wildlife Technical Report No. 1: 18 pp.
- 1986 Brittingham, M.C. and A.T. Scholz. Spokane Indian Tribal Plan to mitigate for wildlife losses caused by the construction and operation of Grand Coulee Dam. Upper Columbia United Tribes Fisheries Center. Wildlife Technical Report No. 2. 33 pp.

- 1987 Scholz, A.T., D.R. Geist, J.K. Uehara and E. Anderson. Post-restoration fisheries investigations at Medical lake, Spokane County, WA: 1981-1985. *Vol. 1. The effects of stocking rainbow trout on zooplankton community dynamics, phytoplankton biovolume and water quality.* Final report submitted to the Washington State Department of Ecology, City of Medical Lake and Northwest Institute for Advanced Studies. Department of Biology, Eastern Washington University, Cheney, WA. 112 pp.
- 1987 Geist, D.R., J.K. Uehara and A.T. Scholz. Post-restoration fisheries investigations at Medical Lake, Spokane County, WA: 1981-1985. *Vol. 2. Development of a multiple regression model to forecast phytoplankton biovolume based on rainbow trout-Daphnia pulex interactions: Computer simulation and biomanipulation experiments to test predictive capabilities and assumptions.* Final report submitted to the Washington State Department of Ecology, City of Medical Lake and Northwest Institute for Advanced Studies. Department of Biology, Eastern Washington University, Cheney, WA. 74 pp.
- 1987 Uehara, J.K., A.T. Scholz and D.R. Geist. Post-restoration fisheries investigations at Medical Lake, Spokane County, WA: 1981-1985. *Vol. 3. Compendium of fisheries and limnological data collected from 1977 to 1985.* Final report submitted to the Washington State Department of ecology, City of Medical Lake and Northwest Institute for Advanced Studies. Department of Biology, Eastern Washington University, Cheney, WA. 81 pp.
- 1987 Geist, D.R., A.T. Scholz and J.K. Uehara. Post-restoration fisheries investigations at Medical Lake, Spokane County, WA: 1987. Rainbow trout population estimate at Medical Lake, Spokane County, WA: Final report submitted to the Washington State Department of Ecology. Department of Biology, Eastern Washington University, Cheney, WA. 19 pp.
- 1987 Scholz, A.T., R. Ekstrom, P. Ritter, and J. Hisata. A biochemical genetic investigation of the Kokanee salmon, *Oncorhynchus nerka* (Walbaum) populations of Deer and Loon Lakes Stevens County, WA. Final report submitted to Loon and Deer Lake Property Owners Associations. 47 pp.
- 1987 Scholz, A.T. and K. O'Laughlin. Comments on Dawn Mining Company's Closure Plan for their uranium mill and tailings ponds located near Ford, WA: A case history of an attempt to relocate dirt contaminated by radioactivity and other potentially hazardous substances from New Jersey to Washington State. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 19: 74 pp.
- 1987 Nichols, D.G. and A.T. Scholz. Blue Creek metals analysis: Concentrations of Al, Cd, Mn, U, Zn, and Ni in whole eviscerated fish, fish livers, invertebrates and water. Upper Columbia United Tribes Fisheries Center. Technical Report No. 9: 106 pp.
- 1988 Scholz, A.T., T. Peone, J.K. Uehara, and D.R. Geist. Rainbow trout population estimates in Blue Creek, Spokane Indian Reservation from 1985 to 1987: Detecting impacts of Uranium mine discharge on the rainbow trout population. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 10: 47 pp.
- 1988 Scholz, A.T., T. Peone, M.R. Barber, J.K. Uehara, and D.R. Geist. Brown trout, rainbow trout, mountain whitefish, piute sculpin and torrent sculpin population and production estimates in Chamokane Creek, Spokane Indian Reservation: 1986 and 1987. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 11: 78 pp.
- 1988 Plotnikoff, R.W., B.Z. Lang, and A.T. Scholz. The effect of Midnite Uranium mine drainage on the benthic macroinvertebrate community of Blue Creek, Spokane Indian reservation, WA. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 7: 109 pp.

- 1988 Barber, M.R., A.T. Scholz, and K. O'Laughlin. Predicting the effect of reduced stream flow on rainbow trout, brown trout and sculpin populations in Chamokane Creek using the Instream Flow Incremental Methodology (IFIM). Upper Columbia United Tribes Fisheries Center. Technical Report. No. 12: 137 p.
- 1988 Barber, M.R., A.T. Scholz and T. Kleist. Determination of habitat availability for rainbow trout in Blue Creek using the Instream Flow Incremental Methodology (IFIM). Upper Columbia United Tribes Fisheries Center. Technical Report. No. 8: 77 pp.
- 1988 O'Laughlin, K., M.R. Barber, and A.T. Scholz. Water chemistry analysis of Chamokane Creek, Spokane Indian Reservation. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 13: 116 pp.
- 1988 McLanahan, E. and A.T. Scholz. Kalispel Indian plan to mitigate for wildlife losses caused by the construction and operation of Albeni Falls Dam. Upper Columbia United Tribes Fisheries Center. Wildlife Technical Report No. 3: 27 pp.
- 1988 O'Laughlin, K., M.R. Barber, A. T. Scholz, F. Gibson and M. Weinand. (IFIM) analysis of benthic macroinvertebrates in Chamokane Creek, Spokane Indian Reservation. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 14: 317 pp.
- 1988 Geist, D.R., T. Peone, M.R. Barber, A.T. Scholz and K. O'Laughlin,. Food preferences of rainbow trout and brown trout in Chamokane Creek in relation to prey availability. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 15: 41 pp.
- 1988 Uehara, J.K., T. Peone, M.R. Barber and A.T. Scholz. Growth rates of brown trout and rainbow trout in Chamokane Creek in comparison to other trout streams in the Pacific Northwest. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 16: 33 pp.
- 1988 Plotnikoff, R.W. and A.T. Scholz. Analysis of the impact to water quality on Blue Creek, Washington by mine drainage effluent from the Midnite Uranium Mine. Upper Columbia United Tribes Fisheries Center. Technical Report. No 21: 51 pp.
- 1988 Cairns, S., B.Z. Lang and A.T. Scholz. Further investigations on the impact of Midnite Mine effluent on the benthic macroinvertebrate community of Blue Creek: Trends in density and diversity of benthic macroinvertebrates collected in pre-impact, impact and recovery zones. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 22. 132 pp.
- 1988 Scholz, A.T., K. O'Laughlin, T. Peone, J. Uehara, T. Kleist and J. Hisata. Environmental factors affecting kokanee salmon, *Oncorhynchus nerka* (Walbaum) in Deer and Loon Lakes, Stevens County, WA. Final report submitted to Deer Lake Property Owners Association, Loon Lake Property Owners Association and Washington Department of Wildlife. 167 pp.
- 1988 Scholz, A.T., D. Olsen, D. Nichols and K. O'Laughlin. Compendium of discharge and water quality data collected at Galbraith Springs, Spokane Indian Reservation. Upper Columbia United Tribes Fisheries Center. Technical Report. No. 23. 37 pp.
- 1989 Nichols, D.G. and A. T. Scholz. Concentrations of cadmium, strontium and uranium in fish and water samples collected from a small stream receiving uranium mine drainage effluent. J. Freshw. Ecol. 5(1): 13-25.
- 1989 Willms, R.A., A.T. Scholz and J. Whalen. The assessment of a developing mixed species fishery in Sprague Lake, Adams and Lincoln Counties, Washington following restoration with

- rotenone. Final report submitted to Washington Department of Wildlife. Federal Aid in Fish Restoration. 159 pp.
- 1989 Scholz, A.T. and M.R. Barber. Brown trout and rainbow trout population, production and growth in Chamokane Creek, Spokane Indian Reservation WA. *In*: Proceedings of the symposium on Native American Fisheries, Western Regional Conference, American Fisheries Society. 27 pp.
- 1989 O'Laughlin, K., M.R. Barber and A.T. Scholz. Predicting the effects of reduced streamflow on fish and macroinvertebrates in Chamokane Creek using the Instream Flow Incremental Methodology. *In*: Proceedings of the symposium on Native American Fisheries, Western Regional Conference, American Fisheries Society. 16 pp.
- 1989 O'Laughlin, K., A. T. Scholz, J. Uehara, S. Cairns, D. Geist, R. Plotnikoff and B. Lang. Evaluation of the impact of uranium mine effluent on the biota of Blue Creek, Spokane Indian Reservation. *In*: Proceedings of the symposium on Native American Fisheries, Western Regional Conference, American Fisheries Society. 16 pp.
- 1989 Barber, M.R., R.A. Willms and A.T. Scholz. A fisheries inventory of Box Canyon Reservoir, Pend Oreille River, WA. *In*: Proceedings of the symposium on Native American Fisheries, Western Regional Conference, American Fisheries Society. 25 pp.
- 1989 Peone, T., A.T. Scholz and J. Griffith. Kokanee salmon investigations at Grand Coulee Reservoir (Lake Roosevelt). *In*: Proceedings of the symposium on Native American Fisheries, Western Regional Conference, American Fisheries Society. 24 pp.
- 1989 Barber, M.R., B.L. Renberg, R. A. Willms, A.T. Scholz and J.T. Vella. A baseline fisheries investigation of the Pend Oreille River, WA, on the Kalispel Indian Reservation, prior to the introduction of effluent from a thermomechanical newsprint mill. Upper Columbia United Tribes Fisheries Center. Technical Report No. 30: 129 pp.
- 1989 Barber, M.R., R.A. Willms, A.T. Scholz, L.O. Clarke, R.L. Renberg, K. O'Laughlin, K.L. Woodward, and R.D. Heaton. 1989. Assessment of the fishery improvement opportunities on the Pend Oreille River. 1988 Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-66, Contract DE-A179-88BP39339. 374 pp. + 382 pp Appendix.
- 1989 McLanahan, E. and A.T. Scholz. Preliminary evaluation of environmental concerns associated with the transfer of the Boulder/Katka Management Unit, Panhandle National Forest, from the United States Forest Service to the Kootenai Indian Tribe of Idaho. Final report submitted to the Bureau of Indian Affairs. 10 pp.
- 1989 McLanahan, E. T. Peone, D. Brown, D. Chess and A.T. Scholz. Aerial survey of deer populations on the Spokane Indian Reservation, February 1989. Upper Columbia United Tribes Fisheries Center. Wildlife Technical Report No. 5. 29 pp.
- 1990 White, R.J. A.T. Scholz, M.V. Baker and D.E. Liljegren. Detection of triiodothyronine (T₃) receptors in isolated steelhead trout, *Oncorhynchus mykiss*, brain nuclei. *J. Fish. Biol.* 36: 783-785.
- 1990 Peone, T., A.T. Scholz, J.R. Griffith, S. Graves and M.G. Thatcher. Lake Roosevelt Fisheries Monitoring Program: 1988-1989. Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-63. Contract No. DE-8179-88BP91819. 234 pp + 431 pp Appendix.

- 1990 Barber, M.R., R.L. Renberg, J.J. Vella, A.T. Scholz, K.L Woodward and S. Graves. 1990. Assessment of fishery improvement opportunities on the Pend Oreille River, WA. 1989 Annual Report. U.S. Department of Energy. Bonneville Power Administration. Project No. 88-66. Contract No. DE-179-88BP39339. 188 p + 206 pp Appendix.
- 1990 Chess, D. and A.T. Scholz. 1990 Timber Fish and Wildlife Program of Washington State. Annual Report April 1988 - March 1989. Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 31. 153 pp.
- 1990 Merker, C. and A. T. Scholz. Spokane Tribe of Indians Wildlife Mitigation and restoration for Grand Coulee Dam: Advanced design report and management plan. Upper Columbia United Tribes Fisheries Center. Wildlife Technical Report No. 6. April 1990. 63 pp. + Appendix.
- 1990 Merker, C. and A. T. Scholz. Kalispel Tribe of Indians Wildlife Mitigation for Albeni Falls Dam: Advanced Design Report and Management Plan. Upper Columbia United Tribes Fisheries Center. Wildlife Technical Report No. 7. June 1990. 35 pp + Appendix.
- 1990 Peone, T. and A. T. Scholz. 1990. Spokane Tribal Kokanee Hatchery Annual Operating Plan. Upper Columbia United Tribes Fisheries Center. Eastern Washington University. Submitted to U.S. Department of Energy, Power Administration, Portland, OR. August 1990. 28 pp.
- 1991 Ashe, B.L., K.L. Lillengreen, J.J. Vella, L.O. Clark, S. Graves, M. Barber and A.T. Scholz. Assessment of the fishery improvement opportunities on the Pend Oreille River. 1990 Annual Report. U.S. Department of Energy Bonneville Power Administration. Project No. 88-66. Contract No. DE-A179-88BP39339. 349 pp.
- 1991 Griffith, J.R. and A.T. Scholz. Lake Roosevelt Fisheries Monitoring Program: 1990 Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-63. Contract No. DE-8179-88DP91819. 218 pp + 358 pp Appendix.
- 1991 Graves, S., K.L. Lillengreen, D.C. Johnson and A.T. Scholz. Fisheries habitat evaluation on tributaries of the Coeur d'Alene Indian Reservation. 1990 Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 90-44. Contract No. DE-B179-90BP10544. 85 pp + 36 pp Appendix.
- 1991 Ashe, B.L., M. Ikramuddin and A.T. Scholz. Analysis of heavy metals in well water from the Kalispel Indian Reservation. Upper Columbia United Tribes Fisheries Center. Technical Report No. 39: 15 pp.
- 1992 Scholz, A.T., R.J. White, V.A. Koehler and S.A. Horton. Measurement of thyroxine concentration as an indicator of the critical period for imprinting in kokanee salmon (*Oncorhynchus nerka*): Implications for operating Lake Roosevelt Kokanee Hatcheries. (Supplement to lake Roosevelt Monitoring Program -- 1991 Annual report). U.S. Department of Energy, Bonneville Power Administration. Project No 88-63. Contract No. DE-8179-88BP91819. 84 pp + 8 pp Appendix.
- 1992 Scholz, A.T., R.J. White, S.A. Horton, and V.A. Koehler. Measurement of egg and larval thyroxine concentration as an indicator of the critical period for imprinting in razorback suckers [*Xyrauchen texanus* (Abbot)]: Implications for recovery of endangered stocks in the Colorado River Basin. Final report submitted to U.S. Bureau of Reclamation, Salt Lake City, UT and U.S. Fish and Wildlife Service, Denver, CO. 27 pp.
- 1992 Scholz, A.T., R.J. White, S.A. Horton and V.A. Koehler. Notes on the development and measurement of thyroxine concentration in flannelmouth sucker (*Catostomus latipinnis*)

- eggs and larvae. Final report submitted to U.S. Bureau of Reclamation, Salt lake City, UT and U.S. Fish and Wildlife Service, Denver, CO. 20 pp.
- 1992 Ashe, B.L. and A.T. Scholz. Summary of baseline fisheries investigations on the Pend Oreille River and recommendations for fishery improvement opportunities. Final Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-66. Contract No. DE-179-88BP39339. 392 pp + 201 pp Appendix.
- 1992 Lillengreen, K., D.C. Johnson and A.T. Scholz. Fisheries habitat evaluation on tributaries of the Coeur d'Alene Indian Reservation: 1991 Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 90-44. Contract No. DE-B179-90BP10544. 147 pp.
- 1992 Martin, S.W., K. Underwood, M.A. Schuck and A.T. Scholz. Bull trout (*Salvelinus confluentus*), steelhead trout (*Oncorhynchus mykiss*) and spring chinook salmon (*O. tshawytscha*) interaction investigations in southeast Washington streams. 1991 Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 90-53. Contract No. DE-B179-91BP10548. 206 pp.
- 1993 Doughtie, C., A.T. Scholz, H. Galloway, R. Peone and D. Richards. Annotated bibliography of information about surface and groundwater quality and quantity on the Spokane Indian Reservation, including reservation boundary waters on the Spokane River and Lake Roosevelt: Summary report and appendices. Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 40: 146 pp + 1,387 pp Appendix.
- 1993 Geiger, D., A.T. Scholz, C.S. Doughtie, H.G. Kube and D.L. Richards. Annotated bibliography of information about surface and groundwater quality and quantity on the Kalispel Indian Reservation, including reservation boundary water on the Box Canyon Reservoir of the Pend Oreille River. Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 41: 240 pp.
- 1993 Peone, R.J., A.T. Scholz, C.S. Doughtie and H.G. Kube. An inventory of surface and groundwater resource on the Spokane Indian Reservation, including identification of factors with potential to impact water quality, utilizing Geographic Information System Mapping. Upper Columbia United Tribes Fisheries Center. Technical Report No. 42: 100 pp.
- 1993 Thatcher, M., J.R. Griffith, A. McDowell and A.T. Scholz. Lake Roosevelt Fisheries Monitoring Program: 1991 Annual Report. Project No. 88-63. Contract No. DE-8179-88DP91819. In press.
- 1993 Chess, D.W., F. Gibson, A.T. Scholz and R.J. White. The introduction of Lahontan cutthroat trout into a previously fishless lake: Feeding habits and effects upon the zooplankton and benthic community. *J. Freshw. Ecol.* 8(3): 215-225.
- 1993 Geist, D.R., A.T. Scholz and R.A. Soltero. Relationship between Phytoplankton volume and rainbow trout - *Daphnia pulex* interactions after phosphorus inactivation, Medical Lake, Washington. *J. Freshw. Ecol.* 8 (4): 341 - 353.
- 1993 Scholz, A.T., R.J. White, S.A. Horton, M.B. Tilson, C. Williams, and B. Haines. Thyroxine concentration and chemical imprinting of razorback sucker (*Xyrauchen texanus*) and Colorado squawfish (*Ptychocheilus lucius*) eggs and larva reared at Dexter National Fish Hatchery, N.M. Eastern Washington University, Department of Biology. Colorado River Fisheries Chemoreception Project. Technical Report No. 3: 73 pp.

- 1993 Skillingstad, T.H., B.L. Ashe and A.T. Scholz. An assessment of the Pend Oreille River, Washington receiving effluent from a thermomechanical newsprint mill: 1991 / 1992 post operation report. Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 47: 290 pp.
- 1993 Heaton, R.D., R.J. Peone and A.T. Scholz. Baseline water quality data for selected lakes and streams on the Spokane Indian Reservation, including the Spokane River Arm of Lake Roosevelt and Little Falls Reservoir. Upper Columbia United Tribes Fisheries Center. Technical Report No. 43. 189 pp.
- 1993 Scholz, A.T., R.J. White, M.B. Tilson and S.A. Horton. Artificial imprinting of Lake Roosevelt kokanee salmon (*Oncorhynchus nerka*) with synthetic chemicals: measurement of thyroxine content as an indicator of the sensitive period for imprinting to olfactory cues. Annual report 1992. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-63. Contract No. DE-B179-88BP91819. 60 pp.
- 1993 Lillengreen, K and A.T. Scholz. Fisheries habitat evaluation on tributaries of the Coeur d'Alene Indian Reservation: Project Completion Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 90-44. Contract No. DE-B179-90BP10544. 156 pp.
- 1994 Skillingstad, T.H. and A.T. Scholz. Trends in water quality in the Box Canyon Reservoir of the Pend Oreille River adjacent to the Kalispel Indian Reservation. Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 44: 45 pp.
- 1994 Horton, S.A. and A.T. Scholz. Chemosensory sensitivity of razorback suckers (*Xyrauchen texanus*) and Colorado squawfish (*Ptychocheilus lucius*) to synthetic chemicals, morpholine and phenethyl alcohol used for artificial imprinting. Eastern Washington University, Department of Biology. Colorado River Fisheries Chemoreception Project. Technical Report No. 4: 98 pp.
- 1994 Scholz, A.T., M.B. Tilson, R.J. White, S.A. Horton, B. Haines, B. Jensen and R. Hamann. Thyroxine induced chemical imprinting in Colorado squawfish (*Ptychocheilus lucius*) and razorback suckers (*Xyrauchen texanus*): Results of 1993 investigations. Eastern Washington University, Department of Biology, Colorado River Fisheries Chemoreception Project. Technical Report No. 5: 67 pp.
- 1994 Tilson, M.B., A.T. Scholz, R.J. White and H. Galloway. Assessment of smolt transformation tendency and the critical period for olfactory imprinting in kokanee salmon. 1993 Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 88-63. Contract No. DE-B179-88BP91819. 156 pp.
- 1994 Galloway, H., A.T. Scholz, J. Hendrickson, R. White, M.B. Tilson and W. Fredenberg. Evaluation of thyroxine content as an indicator of imprint timing in juvenile bull trout (*Salvelinus confluentus*). Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 50: 35 pp.
- 1994 Tilson, M.B., A.T. Scholz, R.J. White and M. Deleray. Whole body thyroxine content as a predictor of the critical period for imprinting in juvenile westslope cutthroat trout (*Oncorhynchus clarki lewisii*). Upper Columbia United Tribes Fisheries Center. Fisheries Technical Report No. 51.
- 1994 Underwood, K.D., S.W. Martin, M.L. Schuck and A.T. Scholz. Investigation of bull trout (*Salvelinus confluentus*), steelhead trout (*Oncorhynchus mykiss*) and spring chinook salmon (*O. tshawytscha*) interaction in Southeast Washington streams. Final report

- submitted to U.S. Department of Energy, Bonneville Power Administration. Project No. 90-53. Contract No. DE-B179-91BP17758. 175 pp.
- 1995 Modde, T., A.T. Scholz, J.H. Williamson, G.B. Haines, B.D. Burdick and F.K. Pfeifer. 1995. An augmentation plan for razorback sucker in the upper Colorado River Basin. American Fisheries Society Symposium 15:102-111.
- 1995 Tilson, M.B., A.T. Scholz, R.J. White, and J.L. Hendrickson. 1995. Artificial imprinting and smoltification in juvenile kokanee salmon: Implications for operating Lake Roosevelt kokanee hatcheries. Upper Columbia United Tribes Fisheries Research Center, Department of Biology, Eastern Washington University, Cheney, WA. Annual Report (1994) submitted to U.S. Department of Energy, Bonneville Power Administration, Portland, OR. Project No. 88-63; Contract No. DE-B179-88BP91819. 125 pp.
- 1995 Tilson, M.B., A.T. Scholz, J.L. Hendrickson and B. Haines. Preliminary results using an olfactory maze to investigate chemical imprinting in razorback sucker (*Xyrauchen texanus*): Result of 1994 investigations. Eastern Washington University, Department of Biology, Cheney, WA 99004. Colorado River Fisheries Project Technical Report No. 6: 27 pp. Submitted to U.S. Bureau of Reclamation, Salt Lake City, UT. Cooperative Agreement 2-FC-40-11830.
- 1996 Scholz, A.T., M.B. Tilson, J.L. Miller and B. Haines. Evidence for Chemical Imprinting in Razorback Sucker (*Xyrauchen texanus*): Results of 1995 Investigations. Eastern Washington University, Department of Biology, Cheney, WA. Colorado River Fisheries Project Technical Report No. 7. Submitted to: U.S. Department of Interior, Bureau of Reclamation, Salt Lake City, UT. Cooperative Agreement No. 2-FC-40-11830. 100 pp.
- 1996 Tilson, M.B., A.T. Scholz and J.L. Miller. Artificial Imprinting of Juvenile Kokanee Salmon (*Onchorhynchus nerka*): Implications for Operating Lake Roosevelt Kokanee Salmon Hatcheries. Annual Report 1995. U.S. Department of Energy, Bonneville Power Administration, Portland Oregon. Project No. 88-63. Contract No. DE-8179-88 DP91819. 85 pp.
- 1997 Tilson, M.B. and A.T. Scholz. Artificial Imprinting of Juvenile Kokanee Salmon (*Onchorhynchus nerka*): Implications for Operating Lake Roosevelt Kokanee Salmon Hatcheries. Annual Report 1996. U.S. Department of Energy, Bonneville Power Administration, Portland Oregon. Project No. 88-63. Contract No. DE-8179-88 DP91819. 66 pp.
- 1997 Cichosz, T.A., J.P. Shields, K.D. Underwood, A.T. Scholz, and M.B. Tilson. Lake Roosevelt Fisheries and Limnological Research: Annual Report 1996: U.S. Department of Energy, Bonneville Power Administration, Portland, OR. Project No. 94-043. Contract No. 94BI32148. Report No. DOE/BP-32148-2: 331 pp.
- 1997 Scholz, A.T. and B. Haines. Chemoreception in razorback sucker (*Xyrauchen texanus*) and Colorado squawfish (*Ptychocheilus lucius*): Exposure of swimup larvae to synthetic chemicals, concomitant with elevated thyroid hormone levels, influences choices of sexually mature adults in an olfactory maze. Eastern Washington University, Department of Biology, Cheney, WA. Colorado River Fisheries Technical Report No. 8. Submitted to U.S. Bureau of Reclamation, Salt Lake City, UT. Cooperative Agreement No. 2-FC-40-11830. 93 pp.
- 1998 Scholz, A.T. and B. Haines. Razorback sucker (*Xyrauchen texanus*) and Colorado squawfish (*Ptychocheilus lucius*) chemoreception project: Final report. Eastern Washington University, Department of Biology, Cheney, WA. Colorado River Fisheries Project

Technical Report No. 9. Submitted to U.S. Bureau of Reclamation, Salt Lake City, UT.
Cooperative Agreement No. 2-FC-40-11830. 88 pp.

- 1998 (MS) Fredenberg, W., A.T. Scholz, R.J. White, H. Galloway and M.B. Tilson. Evaluation of thyroxine content as an indicator of imprint timing in juvenile bull trout. Submitted to N. Amer. J. Fish. Mgmt.
- 1998 Tilson, M.B. and A.T. Scholz. Kokanee salmon coded wire tagging investigation in Lake Roosevelt: Annual Report 1997. U.S. Department of Energy, Bonneville Power Administration, Portland, OR. Project No. 94-043, Contract No. 94BI32148. 75 pp.
- 1998 McLellan, J.G., H.J. Moffatt, A.T. Scholz and B.J. Tucker. Walleye population dynamics in Lake Roosevelt. Annual Report 1997. U.S. Department of Energy, Bonneville Power Administration. Portland, OR. Project No. 94-043, Contract No. 94BI32148. 80 pp.
- 1999 McLellan, J.G., H.J. Moffatt and A.T. Scholz. Walleye (*Stizostedion vitreum vitreum*) population dynamics in Lake Roosevelt, Washington, 1998. Annual Report. U.S. Department of Energy, Bonneville Power Administration, Portland, OR. Project No. 91-6000-624, Contract No. 94BI32148. 43 pp. + appendices.
- 1999 Tilson, M.B., A.T. Scholz and J.G. McLellan. Kokanee salmon (*Oncorhynchus nerka*) coded wire tagging investigations in Lake Roosevelt, Washington. Annual Report. U.S. Department of Energy, Bonneville Power Administration. Project No. 91-6000-624. Contract No. 94BI32148. 67 pp.
- 2000 Scholz, A.T., R.J. White, M.B. Tilson, J.L. Miller and K.N. Knuttgen. Evaluation of thyroxine content in egg and larval pallid sturgeon, *Scaphirhynchus albus* (Forbes and Richardson, 1905), as a potential indicator of imprint timing. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Pallid Sturgeon Project Technical Report No. 1: 77 pp. (Final report submitted to: United States Department of the Interior, Fish and Wildlife Service, Missouri River Fish and Wildlife Assistance Office, Pallid Sturgeon and Paddlefish Recovery Program, Bismark, ND.)
- 2001 McLellan, H.J., A.T. Scholz, J.G. McLellan and M.B. Tilson. Lake Whatcom kokanee salmon investigations in Lake Roosevelt, 1988—2000. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Contributions to Fisheries Management in Eastern Washington No. 1 (July 2001): 67 pp.
- 2001 McLellan, H.J. and A.T. Scholz. Meadow Creek vs Lake Whatcom Stock kokanee salmon investigations in Lake Roosevelt, 2000. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Contributions to Fisheries Management in Eastern Washington No. 2 (July 2001): 35 pp.
- 2001 McLellan, J.G., H.J. McLellan and A.T. Scholz. Assessment of the Lake Roosevelt walleye population: A compilation of data from 1997—1999. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Contributions to Fisheries Management in Eastern Washington No. 3 (December 2001): 74 pp.
- 2002 McLellan, H.J. and A.T. Scholz. Movements and growth of marked walleye recaptured in Lake Roosevelt from 1999 to 2001. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Contributions to Fisheries Management in Eastern Washington No.4 (January 2002): 49 pp

- 2002 Scholz, A.T., B.Z. Lang, H.J. McLellan and R. Peck. Brook stickleback, *Culaea inconstans* (Kirtland 1841) established in eastern Washington. Manuscript submitted to Copeia, January 2002. 10 pp + Figure and Table.
- 2002 McLellan, J.G., H.J. McLellan and A.T. Scholz. The use of closed and open population models to estimate the size of a walleye population in a large reservoir (Lake Franklin D. Roosevelt, Washington). Manuscript submitted to N. Amer. J. Fish. Mgmt., January 2002. 20 pp + Figure and 6 Tables.
- 2002 McLellan, H.J., A.T. Scholz and C. Lee. Meadow Creek vs Lake Whatcom kokanee salmon investigations in Lake Roosevelt, 2001. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Contributions to Fisheries Management in Eastern Washington No. 5. (In preparation for March 2002 publication date.)
- 2002 Scholz, A.T. and H.J. McLellan. A review of gas bubble trauma in Columbia River fishes, its role in the density independent mortality of resident fish in Lake Franklin D. Roosevelt in 1997, and its continuing long-term impacts in reservoir fish populations. Eastern Washington University, Department of Biology, Fisheries Research Center, Cheney, WA. Contributions to Fisheries Management in Eastern Washington No. 6. (In preparation for March 2002 publication date.)
- 2002 Lee, C and A.T. Scholz. Distribution of fishes in Latah (Hangman) Creek, Spokane County, Washington and Kootenai and Benewah Counties, Idaho. (In preparation for submission to Northwest Science in about March or April 2002.)
- 2002 Lee, C. and A.T. Scholz. Range extension for Tui chub, *Gila bicolor* (Girard, 1856): Cove Creek, tributary of Latah (Hangman) Creek, Spokane River drainage, Washington. (In preparation for submission to Northwest Science in about February 2002.)
- 2002 Scholz, A.T. and K.N. Knuttgen. Distribution of grass pickerel (*Esox americanus vermiculatus* Lesueur, 1846) in eastern Washington. (In preparation for submission to Copeia in about June 2002.)

PAPERS PRESENTED AT SCIENTIFIC MEETINGS:

- 1972 Scholz, A.T. Artificial imprinting of salmonid fishes in Lake Michigan. Lake Michigan Fisheries Conference. Michigan City, IN. April 4, 1972.
- 1973 Scholz, A.T., D.M. Madison and A.D. Hasler. Imprinting coho salmon smolts to artificial chemicals as a means of controlling the movements of adults. 16th Conf. on Great Lakes Research; International Association for Great Lakes Research. Sandusky, OH. April 29, 1973.
- 1973 Madison, D.M., A.T. Scholz, and A.D. Hasler. Behavioral evidence for olfactory imprinting in salmon. 26th Conference on Canadian Freshwater Fisheries Research, Halifax, Nova Scotia. February 1973.
- 1973 Madison, D.M., A.T. Scholz and A.D. Hasler. Salmon homing to synthetic odors: Behavioral and neurophysiological indices. Ethological Congress. Washington, D.C. January 1973.
- 1974 Scholz, A.T. Olfactory imprinting and homing in salmonid fishes. 37th Conf. Amer. Soc. Limnol. Oceanogr. Seattle, WA. June 28, 1974.

- 1975 Scholz, A.T. Artificial imprinting of salmon and trout smolts. National Marine Fisheries Service: Symposium on salmon homing. Seattle, WA. August 1975. Invited Speaker.
- 1975 Scholz, A.T. Chemical imprinting in coho salmon. Annual meeting A.I.B.S. and A.A.A.S. Corvallis, OR. August 1975.
- 1976 Scholz, A.T. Salmon migration in Lake Michigan: Sensory mechanisms used for homing. American Fisheries Society-Wisconsin Chapter. Stevens Point, WI. January 1976.
- 1978 Scholz, A.T. Ultrasonic tracking of morpholine-imprinted coho salmon. 1st Conf. Behavioral Ecology of Fishes. University of Illinois, Urbana, IL. October 1978.
- 1979 Scholz, A.T. Endocrine influences on physiology and migratory behavior of salmonids. Seminar presented to U.S. Fish and Wildlife Service Laboratory, Marquette, MI. February 1979.
- 1980 Scholz, A.T. Endocrine influences on olfactory imprinting in salmonid fishes. University of Washington, Department of Zoology, Comparative Endocrinology Seminar. Seattle, WA. October 1980. Invited speaker.
- 1980 Scholz, A.T. Hormonal regulation of smolt transformation and olfactory imprinting of coho salmon. Fourth Smoltification Workshop, Newport, OR. November 1980.
- 1980 Presented Colloquiums at Old Dominion University, Department of Biology, Norfolk, VA in February 1980, Loyola University, Chicago, IL in February 1980, and Eastern Washington University, Cheney, WA in March 1980 on "Thyroid involvement in olfactory imprinting and migratory behavior in coho salmon and steelhead trout."
- 1981 Scholz, A.T. Thyroid activation of smolt transformation and olfactory imprinting in coho salmon. Symposium on Regulatory Mechanisms of Animal Behavior. York University, Toronto, Ontario. March 5-7, 1981. Invited Speaker
- 1981 Scholz, A.T. Hormonal regulation of olfactory imprinting and homing in coho salmon. Symposium on salmon and trout migratory behavior. University of Washington, Seattle, WA. June 7-10, 1981. Invited Speaker.
- 1982 Scholz, A.T. and E. Anderson. Effect of stocking rainbow trout upon the restoration of Medical Lake, Spokane County, WA. Amer. Fish. Soc. Idaho Chapter Meeting. Boise, ID. February 1982.
- 1982 Scholz, A.T. and S. Krival. An experience in rough fish management with goldfish in eastern Washington. Amer. Fish. Soc. Idaho Chapter Meeting. Boise, ID. February, 1982.
- 1982 Scholz, A.T. Alternatives to rotenone for goldfish eradication: Utilizing goldfish behavior as a tool for removal programs. Northwest Scientific Association. Annual meeting. Walla Walla, WA. March 1982
- 1983 Scholz, A.T. Goldfish control techniques. Washington Department of Game, Fisheries Division School, Twisp, WA. June 1983. Invited speaker.
- 1983 Scholz, A.T. Development of new management technology for the control of goldfish in eastern Washington. AWRA Conference on Washington and Idaho Lakes and Their Future. American Water Resources Association. Spokane, WA. November 1983. Invited speaker.

- 1984 Scholz, A.T. and R.A. Soltero. Biomanipulation of a trout fishery and its effect upon zooplankton community dynamics, phytoplankton productivity and water quality of Medical Lake, Spokane County, WA. Northwest Scientific Association. Annual Meeting. Missoula, MT. March 1984
- 1984 E. Anderson and A. Scholz. Feeding habits of four species of fish in Medical Lake, Spokane County, WA: Evidence for resource partitioning as indicated by electivity and diet overlap indices. Northwest Scientific Association Annual meeting, Missoula, MT. March 1984.
- 1984 E. McClanahan and A. Scholz. Radiotracking harbor seals in northern Puget Sound. Northwest Scientific Association. Annual meeting. Missoula, MT. March 1984
- 1984 Scholz, A.T. Thyroid involvement in olfactory imprinting in salmonids: Thyroid receptivity in developing salmon brains. Washington State University Zoology Department Colloquium. Pullman, WA. March 1983. Invited speaker.
- 1984 Scholz, A.T. The goldfish problem in eastern Washington. Washington State University, Pullman, WA. Fisheries Seminar. March 1983. Invited speaker.
- 1984 Scholz, A.T. Computer modeling of the Medical Lake ecosystem as a basis for intentional biomanipulation and its effect on the water quality and fisheries potential of Medical Lake. American Fisheries Society--Idaho, Moscow Chapter, ID. April 1984. Invited speaker.
- 1984 Scholz, A.T. Thyroid involvement in brain development during smoltification of salmon. International workshop on smolt transformation in salmonids. Stirling, Scotland. July 1984. Invited speaker.
- 1985 Scholz, A.T. Fisheries as a component of the ecosystem: Top level predator-prey interactions can influence lower trophic levels via negative feedback. University of Idaho, Department of Life Sciences Colloquium, Moscow, ID, February 1985. Invited Speaker.
- 1985 Geist, D.R. and A.T Scholz Computer programs to evaluate growth and feeding habits. American Fisheries Society, North Pacific International Chapter, Annual Meeting, Port Angeles, WA, March 1985. Invited Speaker.
- 1986 Scholz, A.T. Organizer and chairman of a symposium on the Northwest Power Planning Council's Fish and Wildlife Program. Northwest Scientific Association Annual Meeting. Cheney, WA March 1986.
- 1986 Scholz, A.T. Chairman, Aquatic Sciences Section Northwest Scientific Association Annual meeting. Cheney, WA, March 1986.
- 1986 Scholz, A.T. Restoring Native American fisheries in the Upper Columbia River Basin, above Grand Coulee Dam. Northwest Indian Water Rights Conference. Spokane, WA. December 1986. Invited Speaker.
- 1987 Scholz, A.T. A biochemical genetic investigation of the Kokanee salmon populations in Loon and Deer Lake, Stevens County, WA. Washington Dept. of Wildlife. Annual biologists meeting. Port Townsend, WA. May 1987. Invited speaker.
- 1987 Scholz, A.T. Characterization of thyroid hormone receptors in the brains of Wells fish hatchery steelhead trout undergoing smolt transformation. Washington Dept. of Wildlife. Annual biologist meeting. Port Townsend, WA. May 1987. Invited speaker.

- 1987 Scholz, A.T. and J. Hisata. Rainbow trout and walleye floy-tagging studies in Grand Coulee Reservoir. Washington Dept. of Wildlife. Annual biologists meeting. Port Townsend, WA. May 1987. Invited speaker.
- 1987 Whalen, J. and A.T. Scholz. Limnological and biological monitoring subsequent to the Sprague Lake fisheries rehabilitation. Washington Dept. of Wildlife, Annual biologist meeting. Port Townsend, WA. May 1987.
- 1988 Scholz, A.T. Evaluation of Lake Roosevelt rainbow trout net pen program. Conference on Northwest fisheries sponsored by Spokane Walleye Club, Ridpath Hotel, Spokane, WA. January 1988.
- 1988 White, R.J., M. Baker, A.T. Scholz and D. Liljegren. Demonstration of triiodothyronine receptors in steelhead trout brain nuclei. Western Regional Conference on Comparative Endocrinology, Seattle, WA. March, 1988.
- 1988 Scholz, A.T. Heavy metal contamination of fish in Lake Coeur d'Alene, ID. First annual public forum: Coeur d'Alene Lake and its drainage basin. Sponsored by Idaho Water Resources Research Institute and the United States Geological Survey. Coeur d'Alene, ID. June 1988. Invited speaker.
- 1989 Scholz, A.T. Early scientific exploration of the Upper Columbia River Basin. Annual meeting of Washington Association of College Biology Teachers. Cheney, WA. April 1989. Invited speaker.
- 1989 Willms, R.A. and A.T. Scholz. Evaluation of the development of a mixed species fishery in Sprague Lake following treatment with Rotenone. Washington Department of Wildlife annual biologists meeting. Port Townsend, WA. May 1989
- 1989 Scholz, A.T. Instream Flow Incremental Analysis of fish and benthic invertebrate habitat in Chamokane Creek, Spokane Indian Reservation. American Fisheries Society, Western Regional Conference, Symposium on Native American Indian Fisheries. Seattle, WA. July 1989. Invited speaker.
- 1989 Scholz, A.T. Participant in discussions concerning: (1) the improvement in salmon and steelhead runs in the Columbia River Basin resulting from the Columbia Basin Fish and Wildlife Program and (2) the long-range future direction of the Columbia Basin Fish and Wildlife Program. Northwest Power Planning Council Salmon and Steelhead Roundtable. Portland, OR. September 1989. Invited participant.
- 1990 Scholz, A.T. Overview of Lake Roosevelt resident fish enhancement projects. Bonneville Power Administration, Fish and Wildlife Program Review, Coordination and Consultation, Resident fish and wildlife projects. Sandpoint, ID. November 1990.
- 1990 Griffith, J. and A.T. Scholz. Lake Roosevelt fisheries investigations: 1988 and 1989. Bonneville Power Administration. Fish and Wildlife Program Review, Coordination and Consultation. Resident fish and wildlife projects. Sandpoint, ID. November 1990.
- 1990 Renberg-Ashe, R. and A.T. Scholz. Assessment of existing fish populations and fisheries enhancement opportunities in Box Canyon Reservoir, Pend Oreille River, WA. Bonneville Power Administration. Fish and Wildlife Program Review, Coordination and Consultation. Resident fish and wildlife projects. Sandpoint, ID. November 1990.
- 1991 Scholz, A.T. Potential for utilizing synthetic chemical imprinting techniques to restore stocks of endangered Colorado River Basin Fish species. U.S. Fish and Wildlife Service

- workshop on chemoreception in Colorado River fishes. New Orleans, LA. February 1991. (Invited Speaker).
- 1991 Scholz, A.T. Chemosensitivity of endangered Colorado squawfish and razorback suckers to synthetic chemicals-- morpholine and phenethyl alcohol. Seminar presented to U.S. Fish and Wildlife Service, Colorado River Basin Fisheries project office, Vernal, UT. September 1991
- 1991 Scholz, A.T., R.J. White, V.A. Koehler and S.A. Horton: Measurement of thyroxine as an indicator of the critical period for imprinting in kokanee salmon (*Oncorhynchus nerka*): Implications for operating Lake Roosevelt Kokanee hatcheries. Bonneville Power Administration. Annual review of resident fish and wildlife projects. Sandpoint, ID. November 1991.
- 1991 Scholz, A.T., J. Griffith and M.G. Thatcher Jr. Investigations of the impact of Grand Coulee Dam operation of the kokanee salmon, rainbow trout and walleye fisheries of Lake Roosevelt. Bonneville Power Administration. Annual review of resident fish and wildlife projects. Sandpoint, ID. November 1991.
1991. Ashe, B.L. and A.T. Scholz. Summary of a three year assessment of fisheries improvement opportunities and recommendation for fisheries enhancement projects in Box Canyon Reservoir, Pend Oreille River. Bonneville Power Administration. Annual review of resident fish and wildlife projects. Sandpoint, ID. November 1991.
- 1991 D. Chad Johnson, K. Lillengreen and A.T. Scholz. Assessment of bull trout and cutthroat trout habitat and potential for restoration of tributaries on the Coeur d'Alene Indian Reservation. Bonneville Power Administration. Annual review of resident fish and wildlife projects. Sandpoint, ID. November 1991.
- 1992 Scholz, A.T. Thyroxine levels in eggs and larvae of razorback and flannelmouth suckers indicate that the swimup stage may be a critical period for olfactory imprinting. Seminar presented to U.S. Bureau of Reclamation and U.S. Fish and Wildlife Service, Colorado River Basin Chemosensory Project Review. Denver, CO. February 1992. (Invited speaker).
1992. Scholz, A.T. Shad introduction in the Columbia River Basin and their potential impact on salmon restoration. Columbia Basin Fish and Wildlife Authority -- Shad conference. Portland, OR. March 1992.
- 1992 Ashe, B.L. and A.T. Scholz. Recommendations for improvement of largemouth bass in the Pend Oreille River. Washington State Lakes Protection Association-- 6th Annual conference, Spokane WA. September 1992. (Invited speaker).
- 1993 Scholz, A.T. Chemosensory capabilities of razorback suckers and Colorado squawfish. Annual biologist meeting of Colorado River Endangered fishes Recovery Program. Grand Junction, Colorado. January 1993. Invited speaker.
- 1993 Scholz, A.T. Lake Roosevelt kokanee creel survey and fisheries investigations. 19th Annual International Kokanee Workshop. Spokane, Washington. March 1993. Invited speaker.
- 1993 Scholz, A.T. Kokanee salmon imprinting investigations. 19th Annual International Kokanee Workshop. Spokane, Washington. March 1993.
- 1994 Modde, T. and A.T. Scholz. Augmentation Plan for Razorback sucker in the Upper Colorado River Basin. American Fisheries Society. Western Regional Conference. Phoenix, AZ. June 1994.

- 1995 A.T. Scholz. Chemoreception in razorback sucker. Presented at Colorado River Endangered Fish Recovery Program -- Upper Basin Researchers Annual Meeting in Grand Junction, CO. February 1995. Invited speaker.
- 1996 Scholz, A.T. 1996. Olfactory imprinting in razorback sucker. Annual meeting of Colorado River Basin Fisheries Recovery Program. Page. AZ. January 1996.
- 1996 Scholz, A.T. Lake Roosevelt Fisheries Investigations. Sigma Xi Noon Seminar Series. EWU. Winter 1996.
- 1996 Scholz, A.T. Olfactory Imprinting in Kokanee Salmon: Implications for Enhancing the Lake Roosevelt Kokanee Fishery. Sigma Xi Noon Seminar Series. EWU. Spring 1996.
- 1996 Scholz, A.T. Chemosensory imprinting in endangered razorback sucker and Colorado squawfish. Zoology Colloquium. Washington State University, Pullman, WA, October 1996. Invited speaker.
- 1997 Tilson, M.B. and A.T. Scholz. Lake Roosevelt Kokanee Coded Wire Tagging and Imprinting Investigations. International Kokanee Conference. Spokane, WA, March 1997.
- 1998 Haines, B. and A.T. Scholz. Chemoreception in razorback sucker. Upper Colorado River Recovery Implementation Team Annual Researchers Meeting. Salt Lake City, UT. February 1998.
- 1998 A.T. Scholz, J.G. McLellan, and H.J. Moffatt. Incidence of gas bubble trauma in Lake Roosevelt Fishes in 1997. International conference on ecosystem-based management in the Upper Columbia River Basin. Castlegar, British Columbia, Canada. April 1998.
- 1998 M.B. Tilson, A.T. Scholz and R.J. White. (Poster.) Parr-smolt transformation in kokanee salmon. International conference on ecosystem-based management in the Upper Columbia River Basin. Castlegar, British Columbia, Canada. April 1998.
- 1998 H.J. Moffatt, J.G. McLellan, A.T. Scholz and T. Nelson. (Poster.) A preliminary estimate of the largescale sucker (*Catostomus macrocheilus*) population in Lake Roosevelt, Washington, 1997. International conference on ecosystem-based management in the Upper Columbia River Basin. Castlegar, British Columbia, Canada. April 1998.
- 1998 J.G. McLellan, A.T. Scholz, H.J. Moffatt and B.J. Tucker. (Poster.) Walleye (*Stizostedion vitreum vitreum*) population dynamics in Lake Roosevelt, Washington, 1997. International conference on ecosystem-based management in the Upper Columbia River Basin. Castlegar, British Columbia, Canada. April 1998.
- 1999 J.G. McLellan and A.T. Scholz. Walleye population dynamics in Lake Roosevelt, Washington. Washington Lake Management Society annual meeting, Spokane, Washington. April 1999.
- 2000 M.B. Tilson and A.T. Scholz. Homing and return rates of hatchery kokanee in Lake Roosevelt. 25th International Kokanee Conference. Nelson, British Columbia. March 1999.
- 2000 A.T. Scholz. Factors influencing declines in the abundance in the Lake Roosevelt (Grand Coulee Dam reservoir) bioregion and efforts to restore a functioning ecosystem via stocking hatchery kokanee salmon and rainbow trout. Lake Roosevelt Forum. Symposium on Lake Roosevelt. Spokane, WA. May 2000.
- 2000 A. Scholz. Continuing impacts of gas bubble trauma on Lake Roosevelt fishes. Lake Roosevelt Forum. Symposium on Lake Roosevelt. Spokane, WA. May 2000.

2001 H. McLellan and A.T. Scholz. Lake Roosevelt kokanee salmon investigations. 27th International Kokanee Conference. Spokane, WA. March 2001.

COMMUNITY SERVICE LECTURES:

- 1981 Scholz, A.T. The Magic Journey: Migration of Salmon. Sigma Xi, EWU chapter meeting, Cheney, WA. April 30, 1981.
- 1983 Scholz, A.T. The effect of trout-zooplankton predator prey dynamics on the phytoplankton productivity and water quality of Medical lake, WA. Presented to Medical Lake Town Council Meeting, Medical Lake, WA. February 1983.
- 1983 Scholz, A.T. Radiotelemetry investigations of harbor seals in northern Puget Sound. Padilla Bay National Estuarine Sanctuary-Interpretive Center Program. Bayview, WA. August 1983.
- 1983 Scholz, A.T. Developing a computer model of the Medical Lake ecosystem and its potential for managing the fisheries potential and water quality of Medical Lake. Presented to Medical Lake Town Council, Medical lake, WA. September 1983.
- 1984 Scholz, A.T. and J.K. Uehara. Assessing the effect of rainbow trout predation on zooplankton community structure, phytoplankton biovolume, and water quality at Medical Lake, WA using a trout bioenergetics model: Predicting the effect of stocking different levels of trout on other components of the Medical Lake ecosystem through computer simulation of the model. Presented demonstration to Medical Lake Town Council, Washington Department of Game and Washington Department of Ecology at Medical Lake Town Council Meeting. November 1984.
- 1985 Scholz, A.T., J.K. Uehara and E. Anderson. Comments on a proposed newsprint mill on the Pend Oreille River. Washington Department of Ecology SEPA hearing, Usk, WA. February 1985.
- 1985 Scholz, A.T. Deer Lake fisheries investigations. Oral report to Deer Lake Homeowners Association, annual meeting. June 1985.
- 1985 Scholz, A.T. Loon Lake fisheries investigations. Oral report to Loon Lake Homeowners Association, annual meeting. June 1985.
- 1985 Scholz, A.T. Comparison of the kokanee salmon fishery in Loon and Deer Lakes and factors affecting water quality in Deer Lake. Oral report to Deer Lake Homeowners Association. November 1985.
- 1986 Kleist, T. and A.T. Scholz. Loon and Deer Lake fisheries investigations. Report presented to Loon and Deer Lake Homeowners Associations. June 1986.
- 1986 Ekstrom, R., P. Ritter and A. Scholz. Genetic Analysis of Loon and Deer Lake kokanee salmon populations. Report presented to Loon and Deer Lake Homeowners Associations. June 1986.
- 1987 Scholz, A.T. Lake Roosevelt fisheries investigations. Lecture presented to Spokane Walleye Club, Spokane, WA. March 1987
- 1987 Scholz, A.T. and R.J. White. Evidence for thyroid receptors and thyroid-induced neuron development in steelhead trout brains. EWU Faculty Research Seminar. Cheney, WA April 1987.

- 1987 Scholz, A.T. and R.A. Soltero. Rainbow trout populations in Medical Lake, Spokane County, WA. Report presented to Medical Lake City Council, Medical Lake, WA. June 1987.
- 1987 Scholz, A.T. Comments on Dawn Mining Company's mill closure plan and its impact on the fishery in Chamokane Creek. Washington Department of Social and Health Services, public hearing. Reardan, WA. October, 1987.
- 1987 Scholz, A.T. Fisheries research at EWU. Presentation to EWU Foundation Spokane, WA. November, 1987.
- 1988 Scholz, A.T. Sprague Lake and FDR Reservoir walleye investigations. Lecture presented to Spokane Walleye Club. Spokane, WA. April 1988.
- 1988 Scholz, A.T. Final report on fisheries investigations at Deer and Loon Lakes, Stevens County, WA and recommendations for the management of the sport fishery. Report presented to Deer and Loon Lake Property Owners Associations. June, 1988.
- 1988 Scholz, A.T. Comments on fish and wildlife enhancement projects in northeastern Washington. Washington State Senate, Legislative Committee Hearing. Spokane, WA. June 1988.
- 1988 Scholz, A.T. Comments on fish and wildlife. Bonneville Power Administration's Hearings in Perspective. Spokane, WA. July 1988.
- 1988 Scholz, A.T. Largemouth bass investigations at Sprague Lake and Pend Oreille River. Lecture presented to Inland Empire Bass Club, Spokane, WA. August, 1988.
- 1988 Scholz, A.T. Comments on economic impact of fish and wildlife resources in northeastern Washington and north Idaho. Bonneville Power Administration's Programs in Perspective. Spokane, WA. September 1988.
- 1989 Scholz, A.T. Largemouth and smallmouth bass enhancement at Sprague Lake: Evaluation of the Sprague Lake Rehabilitation Project. Lecture presented to the Inland Empire Bass Club, Spokane, WA. January 1989.
- 1989 Scholz, A.T. Deer Lake Sewer project: Trends in lake biota from 1911-1985. Deer Lake Property Owners Association. April 1989.
- 1989 Scholz, A.T. Address to Medical Lake Town Council on potential impact of reversing restriction on motor boats to the water quality of Medical Lake. Medical Lake City Council Meeting. Medical Lake, WA. May 1989.
- 1990 Scholz, A.T. Attended BPA, COE, BOR Systems Operations Review Scoping Meeting. Kalispel, MT. August 1990.
- 1990 Scholz, A.T. Participated in Bonneville Power Administration Programs in Perspective. Spokane, WA. August 1990.
- 1990 Scholz, A.T. Participated in Sen. Slade Gorton's Hearings on listing Columbia River salmon as an endangered species. Potential environmental and economic consequences to NE Washington and N. Idaho if salmon are listed as threatened or endangered. Spokane, WA. August 1990. (Invited Participant).
- 1991 Scholz, A.T. Participated in Bonneville Power Administration Program in Perspective. Spokane WA. July 1991.

- 1991 Scholz, A.T. Upper Columbia River Basin fisheries: An historical overview from the time contact to present. Presented to the Lake Roosevelt Forum. Nespelem, WA. August 1991.
- 1991 Scholz, A.T. Participated in numerous Northwest Power Planning Council, Columbia Basin Fish and Wildlife Authority, Bonneville Power Administration, U.S. Army Corps of Engineers and U.S. Bureau of Reclamation meeting and workshops on: (1) restoring and enhancing fish and wildlife populations in the Columbia River Basin, and (2) scoping for a region wide environmental impact statement that will be used for renegotiating the US Canada Columbia River Power Treaty and Coordination Agreement between federal agencies, Public Utility Districts, and private utilities for sharing water for power production. Meeting held in Washington, Idaho, Oregon and Montana.
- 1992 Scholz, A.T. Impact of Grand Coulee Dam operation on the fisheries of Lake Roosevelt. Presented to Lake Roosevelt Forum. Wellpinit, WA. April 1992.
- 1992 Scholz, A.T. Panelist for Northwest Power Planning Council consultation on endangered species status for Kootenai River White Sturgeon. July 1992.
- 1993 Scholz, A.T. Panelist for Northwest Power Planning Council strategy for salmon roundtable, Portland, OR. April 1993. Invited participant.
- 1993 Scholz, A.T. Testified at Northwest Power Planning Council Phase IV resident fish amendment hearing, Spokane, WA. June 1993.
- 1993 Scholz, A.T. Testified at Northwest Power Planning Council Phase IV resident fish amendment hearing, Lewiston, ID. July 1993.
- 1994 Scholz, A.T. Testified at Northwest Power Planning Council (NPPC) meeting about audit of fish and wildlife program expenditures versus on-the-ground benefits to fish and wildlife, Coeur d'Alene, ID. March 1994.
- 1994 Scholz, A.T. Testified at Northwest Power Planning Council anadromous fish amendment hearing, Cheney/Spokane, WA. October 1994.
- 1995 Interacted with Northwest Power Planning Council, Bonneville Power Administration, and Columbia Basin Fish and Wildlife Authority in implementing Columbia River Basin Fish and Wildlife Program.
- 1996 Interacted with Northwest Power Planning Council, Bonneville Power Administration, and Columbia Basin Fish and Wildlife Authority in implementing Columbia River Basin Fish and Wildlife Program.
- 1997 Interacted with Northwest Power Planning Council, Bonneville Power Administration, and Columbia Basin Fish and Wildlife Authority in implementing Columbia River Basin Fish and Wildlife Program.
- 1997 Lecture to Spokane Walleye Club on Taxonomy and Life Histories of Lake Roosevelt fishes, Spokane, WA. November 1997.
- 1998 Interacted with Northwest Power Planning Council, Bonneville Power Administration, and Columbia Basin Fish and Wildlife Authority in implementing Columbia River Basin Fish and Wildlife Program.

- 1998 Poster display on Lake Roosevelt Fisheries Work at Northwest Gamefish Show. Spokane, WA. January 1998.
- 1998 Lecture to Spokane Walleye Club on Walleye Population Dynamics and Growth in Lake Roosevelt. Spokane, WA. March 1998.
- 1998 Lecture to Kettle Falls Walleye Club on Taxonomy and Life History of Lake Roosevelt Fishes. Kettle Falls, WA. April 1998.
- 1999 J.G. McLellan and A.T. Scholz. Status of Lake Roosevelt Walleye Population. Spokane Walleye Club. Spokane, Washington. February 1999.
- 1999 Scholz, A.T., J.G. McLellan, H.J. Moffatt and M.B. Tilson. Poster displays on Lake Roosevelt Fishery Research at Northwest Gamefish Show in Spokane, Washington. (Four separate displays.) January 1999.
- 2000 Scholz, A.T., H.J. McLellan, C. Lee and H. Taylor. Poster displays on Lake Roosevelt, Sprague Lake and Rock Lake fisheries research. Northwest Gamefish Show. Spokane, WA. January 2000.
- 2000 Scholz, A.T. Lecture on "Amazing world of fishes" presented to 2nd grade class of St. John elementary school, St. John, WA. April 2000.
- 2001 Scholz, A.T., H.J. McLellan, C. Lee, J. Scott, G. Turner and C. Moen. Poster displays on taxonomy, distribution, and life history of native and introduced fishes of eastern Washington, and Latah (Hangman) Creek fisheries research. Northwest Gamefish Show. Spokane, WA. January 2001.
- 2001 Turner, G. and A.T. Scholz. Warmwater fish research in eastern Washington. Spokane Walleye Club. Spokane, WA. May 2001.
- 2001 Scholz, A.T. Invited participant to Washington Department of Fish and Wildlife's eastern region "Director's Roundtable". Spokane, WA. Nov. 2001.