



REQUIRED Cover Page

APPLICATION FOR PROFESSIONAL DEVELOPMENT GRANT

****All applicants please complete this cover page.**

Choose one: <input type="checkbox"/> Creative activity <input type="checkbox"/> Research activity <input checked="" type="checkbox"/> Professional Enhancement activity	Date of Last PDG Award (Semester and Year awarded): NA Date of ATU Faculty Appointment (Semester and Year): Fall 2003
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1. Project Title: Development and Presentation of a Manuscript titled "Management Implications of Angler Motivations and Preferences for Urban Fisheries"

2. Name of Principal Investigator/Project Director: Dr. John R. Jackson

3. School (abbrev): Physical and Life Sciences **4. Department:** Biological Sciences

5. Campus Mail Address: Room 4 McEver Hall **6. PI/PD Campus Phone:** 964-3226

7. Amount Requested: \$2,031.00 **8. Total Cost of Project:** \$2,031.00

9. Does this project involve: **10. Duration of Project:** May 1, 2007 – June 30, 2008

Yes No

- ☐ ☒ human subjects?
- ☐ ☒ animals/animal care facility?
- ☐ ☒ radioactive materials?
- ☐ ☒ hazardous materials?
- ☐ ☒ biological agents or toxins restricted by the USA Patriot Act?
- ☐ ☒ copyright or patent potential?
- ☐ ☒ utilization of space **not** currently available to the PI/PD?
- ☐ ☒ the purchase of equipment/instrumentation/software currently **available** to the PI/PD?

NOTE: If the answer is "yes" to any of the above questions, the investigator must attach appropriate documentation of approval or justification for use/purchase.

SIGNATURES

Charlie Dyer 4/30/07
Department Head Date

M. Bohorn 4-30-07
Dean Date

This Section to be completed by the Office of Academic Affairs

PDC Committee Award Recommendation: Yes _____ No _____
PDC Committee Proposal Rank: _____ of _____ Total Proposals.
Recommendation of VPAA: Yes _____ No _____
Recommendation of President: Yes _____ No _____
Award Date: _____

B. Abstract:

I am requesting travel funding so that I may give an invited oral presentation at the Urban Fishing Symposium as part of the 2007 Annual Meeting of the American Fisheries Society in San Francisco this September. During the upcoming summer I will conduct a literature review and write a manuscript titled "Management Implications of Angler Motivations and Preferences for Urban Fisheries". This manuscript will be published as part of a special symposium edition of the North American Journal of Fisheries Management. Requested funds will be used for air fare, hotel, meals, and registration. The estimated total cost of this travel is \$2,013.00.

C. Purpose/Objectives:

Recreational fishing has traditionally been one of the most favored participatory outdoor activities in the United States. However, urbanization, urban sprawl, and other factors have caused participation to decline over the past 20 years. In addition, recreational fishing participation is consistently lower than the national average for groups such as females, African-Americans, and urban residents. In response to these trends, many state agencies have developed urban fishing programs. The Urban Fishing Symposium that is being held at the 2007 Annual Meeting of the American Fisheries Society is the first of its kind since 1983, and it will be comprised of invited topics, case studies, and research, with both oral and poster presentations. The program thoroughly engages a diverse array of issues relevant to urban fishing program managers, developers, and fisheries administrators, including but not limited to, the role of aquaculture and fish stocking, funding sources, contaminants, program evaluation, marketing and promotion, collaboration, enforcement, human dimensions, and management. Aligned with the American Fisheries Society 2007 meeting theme of "Addressing Uncertainty and Unintended Consequences in Fish and Fisheries," the urban fishing symposium intends to provide the information necessary to protect against the uncertainty and unintended consequences of alienating non-traditional angler groups. See attached tentative symposium agenda.

I have been invited to write a manuscript and present the topic titled "Management Implications of Angler Motivations and Preferences for Urban Fisheries" at the Urban Fisheries Symposium. The Symposium is being held in September 2 – 6, 2007 in San Francisco, California. The abstract for the presentation is presented below. The manuscript will be a review of appropriate literature and incorporation of some of my past research in this area of study. I am seeking assistance for travel expenses to the meeting through an Arkansas Tech University Professional Development Grant.

Abstract: Fisheries managers may be better equipped to meet angler expectations if they understand why people fish and more importantly their expectations of the fishing experience. It is important to recognize that the angling population is not comprised of a single, homogeneous group, but rather a heterogeneous group made up of numerous subgroups. Therefore, motivational characteristics of angler subgroups should not be used to generalize behavior of the entire angling population. Experiences anglers seek to derive from fishing can be divided into two elements: activity-specific (unique to fishing) and activity-general (common to all outdoor recreational activities). Managers have the ability to control activity-specific elements, but it has been the perception that agencies

are unable to control activity-general elements. This assessment may be the result of the limited training fisheries managers receive in human dimensions or because most managers rank catch-oriented goals as more important than non-catch or activity-general goals. In the context of the urban environment, changing cultural and demographic patterns are likely to shape angler motivations and preferences and as a result, fisheries management must adapt. This manuscript provides a review of angler motivations/preferences and elaborates on why this information is critical for successful urban fisheries management.

D. Significance/Need: This will be the first organized symposium in 25 years. The need for a professional discussion and review of current trends in urban fisheries management is needed. The presentation and manuscript that will be developed from this project will add to the quality of the symposium and will represent the Fisheries and Wildlife Program at Arkansas Tech University contribution to this area of study.

E. Process for Attainment of Objectives/Goals:

A literature review of angler motivations and preferences will be conducted and the manuscript will be written this summer. An oral presentation will be given at the symposium in September.

F. Dissemination of Results:

As stated above, both an invited oral presentation and a manuscript to be published in *The North American Journal of Fisheries Management* will be produced through this project. The manuscript will be submitted by October 2007 for review. There is an anticipated 2008 publication date.

G. Repeated Requests:

This proposal has not received funding using the Professional Development Fund at Arkansas Tech University.

H. Budget:

Category	
Meals (7 days @ 28.00/day)	\$ 196.00
Hotel (6 nights @ 165.00/night)	\$ 990.00
Meeting Registration	\$ 345.00
Air Fare	\$ 400.00
Misc.	\$ 100.00
Total	\$2,031.00

The funds requested for this project are for travel expenses associated with the meeting. This includes air fare, shuttle to hotel, hotel costs, meeting registration, and meals. The total anticipated cost for the trip will be \$2,031.00.

I. Bibliography: None

J. Application Vita: See Attached

John Richard Jackson

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10 Pepper Place
Russellville, Arkansas 72802
Telephone: (479) 880-2900

EDUCATION

Doctor of Philosophy - Fisheries Management. Mississippi State University: (1996)
Master of Science - Wildlife Ecology. Mississippi State University. (1987)
Bachelor of Science - Wildlife Ecology. Michigan State University. (1983)
Teacher certification - Biology and General Science. Mississippi State University. (1988)
High School Education - Glenbrook South High School. Glenview, Illinois. (1979)

EMPLOYMENT

Assistant Professor - Fisheries
(08/03 – Present)

Dr. Charlie Gagen, Head
Department of Biological Sciences
Arkansas Tech University
McEver 34D
Russellville, AR 72801
479-965-0814

Assistant Professor - Fisheries
(10/99 – 8/03)
Visiting Assistant Professor - Fisheries
(01/98 – 10/99)

Dr. Carole Engle, Chair
Department of Aquaculture/Fisheries
University of Arkansas at Pine Bluff
P.O. Box 4912
Pine Bluff, AR. 71611
870-543-8537

Graduate Student Theses Directed:

Relation of floodplain lake fish communities and river connectivity in the lower White River, Arkansas. (Sandra Clark 2006)

Characterization of Floodplain Lake Fish Assemblages in the Lower White River, Arkansas (Ben Lubinski 2004)

Effects of Increased Minimum Flow and Stream Temperature on Nongame Fish Populations of the Ouachita River, Arkansas (Shawn Sanders 2004)

Characteristics, Preferences, and Motivations of Young-Adult Recreational Fishing License Holders in Arkansas (Annette Williams 2004)

Angler Characterization and Youth Recruitment in a Pilot Community-Fishing Program for Central and Southeast Arkansas (Christopher Long 2003)

An Index of Biotic Integrity for Fish Assemblages in Arkansas' Wadeable Ozark Highland Streams (Dan Dauwalter 2002)

ORGANIZATIONS AND HONORS

Program Committee - First International Ictalurid Symposium (1998)

The American Fisheries Society (1993-current)

Treasurer, Arkansas Chapter of the American Fisheries Society (2001-2003)

President, Arkansas Chapter of the American Fisheries Society (2006-2007)

The American Fisheries Society (Mississippi State University Subunit President 1993-94)

Southern Division Student Representative of The American Fisheries Society (1994-95)

Eagle Scout (Boy Scouts of America) Northeast Illinois Council, Glenview, Illinois

National Exchange Club (Starkville Mississippi Chapter President 1992-93)

Explorer Post 2001 Advisor, 1991-1996 (Boy Scouts of America)

RECENT GRANTS FUNDED

Long-Term Fisheries and Fisheries Habitat Monitoring for the Arkansas River Navigation Project. U.S. Army Corp of Engineers. October 1, 2006 – September 30, 2009. \$392,250.

Effects of Increased Minimum Flow and Stream Temperature on the Fishes of the Ouachita River (Five Year Post Monitoring Evaluation). Arkansas Game and Fish Commission. August 1, 2005-September 20, 2007. \$40,000.

Characterization of Floodplain Fish Assemblages in the Lower White River, Arkansas. U.S. Army Corp of Engineers. September 1, 2003 – September 30, 2005. \$123,162.

Continuing Development of Indices of Biotic Integrity for Arkansas Ecoregions. Tetra Tech Incorporated. January-June 2002. \$15,000.

Characterization and Classification of Oxbow Lake Fish Assemblages in the White River, Arkansas, USDA-ARS. August 1, 2001-September 30, 2003. \$41,650.

PUBLICATIONS

Dissertation:

Jackson, J. R. 1996. Polychlorinated biphenyl characterization and bioaccumulation pathways in channel catfish and yellow bullhead from the Yockanookany River, Mississippi. Doctoral dissertation. Mississippi State University, Mississippi State.

Thesis:

Jackson, J. R. 1987. Invertebrate availability and preference by northern bobwhite chicks in Mississippi old fields. Master's thesis. Mississippi State University, Mississippi State.

Recent Peer Reviewed Publications:

Clark, S, J.R. Jackson, and S.Lochmann. 2007. A comparison of shoreline seines to fyke nets for sampling littoral fish communities in floodplain lakes. North American Journal of Fisheries Management. 27:000-000.

Dauwalter, D. C., and J. R. Jackson. 2005. A re-evaluation of U.S. state fish-stocking recommendations for small, private warmwater impoundments. Fisheries 30 (8):18-28.

Dauwalter, D. C., and J. R. Jackson. 2004. A provisional fish index of biotic integrity for Ouachita Mountain streams in Arkansas. Journal of Environmental Monitoring and Assessment 19:27-57.

Jackson, J. R., and D. C. Jackson. 1999. Macrohabitat partitioning by channel catfish and yellow bullhead in a floodplain-river ecosystem. First International Ictalurid Symposium, Davenport, Iowa.

Jackson, J. R., and D. C. Jackson. 1999. Comparability of channel catfish stock descriptors obtained from different hoop net configurations. Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies 51(1997):79-87.

Flotemersch, J. E., D. C. Jackson, and J. R. Jackson. 1999. Channel catfish movements in relations to river channel-floodplain connections. Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies 51(1997):106-112.