



Belize Foundation for Research and Environmental Education

By Dr. Ron Caldwell and Dr. Adam Rollins

Lincoln Memorial University's Cumberland Mountain Research Center (CMRC) finalized a Memorandum of Agreement on April 9, 2009 with the Belize Foundation for Research and Environmental Education (BFREE). As a result, the CMRC is currently constructing a research laboratory onsite at BFREE. This new lab will foster collaborations among LMU faculty and students, resident BFREE scientists, and visiting scientists from institutions world-wide.

Dr. Ron Caldwell



Dr. Adam Rollins



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BFREE is surrounded by five Nature Reserves each administered by the Belizean government, and serves as a gateway to some of the best remaining tracts of Rain Forest across Central America. Additional information concerning BFREE can be accessed at bfreebz.org.

Drs. Ron Caldwell, Director CMRC, and Adam Rollins, Assistant Professor of Biology, were recently awarded mini-grant funds to study the distribution and biodiversity of terrestrial Mollusca (land snails) and Eumycetozoans (slime molds), respectively, across the tropical ecosystems of Belize. Two intense sampling periods are planned. The first sampling trip took place September 3rd-12th, with an additional trip planned after the end of the current semester.



Ron and Adam, with machetes flying, established six permanent plots within three distinct Rain Forest ecosystems. Yes, it was a real jungle out there! See the photo of Adam in front of a Bread Nut tree (left) establishing a plot while the Jaguar territorial marking scent (emitted from its glands) lingered in the air, and the unmistakable clops of a Tapir could be heard in the distance fleeing from the researchers. Bread Nut trees were found to

typically co-occur with Soapadilla trees, within the established plots. The leaves and fruit of the Bread Nut trees provide a food resource for many ground based animals and monkeys. In fact, Chichleros (rubber tree workers) would often tether their horses at the base of Bread Nut trees at night to forage on the leaves.

BFREE continued



Ron can be seen in this picture (left) inspecting a sixty foot section of a Cortes tree bole that has been cut into several equal length pieces. This tree will provide the framing, flooring, and walls for the new LMU CMRC science lab. Also seen in the picture is BFREE staffer Tom Pop a local Maya from Golden Stream Village. Tom cut the tree down and is responsible for milling the tree at the BFREE saw mill.

Bridge to Future (right)
Dr. Caldwell can be seen in this photo testing a new bridge on the northern boundary trail. The trail was widened and cleared for easier access to large timber areas for watershed research. It will also serve as a secondary route out to the main road if the primary becomes impassable.



This picture (left) shows one of the corner footers of our new lab. In the picture is our Maya staff members who will do the construction. Left to right: Saturnino Teul, Tom Pop, Dr. Caldwell, and Sipriano Canti (alcalde, mayor, of Golden Stream Village).

The results of Ron and Adam’s research will not only be beneficial to BFREE and LMU, but will provide valuable information to the Belizean government concerning the proper management of their Rain Forest resources.



Recent Grant Submissions

Congratulations to those who recently put in the extra time and hard work it takes to submit a grant application:

- Jack McCann —FIPSIE (Fund for the Improvement of Post Secondary Education) Special Focus Competition—Innovative Strategies for Community Colleges for Working Adults.
- Carol Campbell—TN Arts Build Communities (ABC) Grant.
- Ron Caldwell—Southern Appalachian Cooperative Ecosystem Studies Unit (SA-CESU) Cumberland Gap National Historic Park (CGNHP) Mapping Project.
- Elissa Graff—National Endowment for the Arts (NEA) Access to Artistic Excellence.
- Adam Rollins —Oak Ridge Associated Universities (ORAU), Effects of Fly Ash Contamination on Soil Microbial Ecology Using Cellular Slime Molds as Bioindicators.
- Mary Anne Modrcin —Department of Labor (DOL) Accelerated Nursing Career Pathways for Rural Appalachia.

Recent Grant Awards

The following are additional grant awards that have been processed by the ORGSP. If your grant award is not listed, please let us know.

- \$28,000 to Dr. Ron Caldwell for a project entitled, "Marking Property Boundary of Cumberland Gap National Historic Park."

Recent Scholarly Activity

Dr. Ann Callahan

Callahan, A. M. (in press). [Review of the book *The rebirth of the clinic: An introduction to spirituality in health care*]. *Social Work in Health Care*.

Callahan, A. M. (in press). [Review of the book *Islam and social work: Debating values, transforming practice*]. *The New Social Worker*.

Callahan, A. M. (2009). The Constant Gardener. *Catalyst*.

Callahan, A. M. (in press) [Review of the book *Spiritual resources in family therapy*]. *Social Work and Christianity*.

Callahan, A. M. (2009). Growing through organizational change. *Families in Society*, 90(3).

Callahan, A. M. (2009). Coming-out at work: A spiritual journey. *Reflections: Narratives of Professional Helping*, 15(2), 54-59.

Callahan, A. (2009, March). Social working on a Sunday. *Catalyst*, 52(2), 8.



Recent Scholarly Activity Continued

Dr. Ann Callahan continued

Joined the Book Review Staff for the "Journal of Social Work Values and Ethics."

Dr. Alan Biel

Biel, A. J., Technology enhanced scripted scenario: A method for running multiple small groups simultaneously, *JIAMSE* 19(3): 68.

Presented a poster at the International Association of Medical Science Educators 2009 meeting in Leiden, The Netherlands, won best presentation. The title of the poster was: "Use of Technology to Enhance Small Group Learning."

Dr. Adam Rollins

Presented "Dynamics of mid-Appalachian red spruce-hardwood ecotones," and "The isolated red spruce communities of Virginia and West Virginia" at the Ecology and Management of High-Elevation Forests of the Central and Southern Appalachian Mountains Conference in Slatyfork, WV, 2009.

Caldwell, R., & Rollins, A. (2009). Southern Belize and the Belize Foundation for Research and Environmental Education. *Inoculum* 60(3):57-58.

Landolt, J. C., S. L. Stephenson, and A. W. Rollins. (200-). Dictyostelid cellular slime molds of Arkansas. *Castanea*.

Conducted peer-review of manuscripts:

- Check List: Journal of Species Lists and Distribution. 2009.
- Proceedings of the Conference of the Ecology and Management of High-Elevation Forests of the Central and Southern Appalachian Mountains. 2009
- Mycotaxon. 2009.

Graduate Education

Drs. Peggy Quarles, Helen Cole, and Kathy Hulley, professors in Curriculum and Instruction in the Graduate College of Education, have published an article, "Does Assessment Have to Drive the Curriculum?" in the Forum on Public Policy: A Journal of the Oxford Round Table, Spring, 2009. This is an online publication that will be published in the hard copy of the journal later this year.

Thomas Mackie

Presented at the Lincoln Symposium held at Tusculum College (Lincoln's Living Legacy: 200 Years of Interpretation). His main presentation was "Remembering Lincoln: His Early Chords of Mystic Memory." The half-day event was sponsored by the Lincoln Project (www.thelincolnproject.com) and Tusculum College. <http://www2.tusculum.edu/news/?p=1299>. In addition to the main presentation, he participated in a panel discussion on public history for the Museum Studies Program students at Tusculum College.

Recent Scholarly Activity Continued

Dr. Casey Bassett

Awarded the Essential Skills in Medical Education (ESME) Certificate in Medical Education by the International Association on Medical Science Educators (IAMSE). She attended the ESME course at the IAMSE annual meeting last year (2008) and successfully completed her coursework this academic year to fulfill requirements for her ESME certificate.

Congratulations to all those who are mentioned and thank you for being ambassadors for research and scholarly activity at LMU.

Foundation Corner

By Martha Scheidler, Director of Foundations

So many grant proposals, so little time! I'm sure that is exactly how the ORGSP staff and I all feel. And if we feel like that, the University faculty must certainly feel the same way. Where or how to look for funding? Your first stop on the information highway should be the ORGSP website. There you will find grant announcements along with deadline dates. Your next step could be an internet search for private foundation funding. That is where I can be of help.

As simply as we can explain it, the ORGSP staff can help you look for federal and/or state grant opportunities, while I handle private foundations and corporations. If you are searching the internet and find opportunities for funding from a private foundation, please call or email me. Often, private foundations do not have a large staff and may not be able to take your email or phone call. I may already have started work on a grant proposal to that foundation, and we don't want them to think we are submitting two proposals. It is best to contact me first. You may have found a source of funding that I have not uncovered. Always feel free to contact me or the ORGSP with ideas for projects. We can work together to explore avenues of funding that best fits your needs.

On a personal note, I have been on campus now almost three months. It has been great fun and very interesting to work with so many talented people from our growing campus community. I have learned so much from all of you! I'm looking forward to a well-funded future!

You can reach Martha at
(423) 869 6398
martha.scheidler@lmunet.edu



Institutional Review Board News

Welcome new members!

- Dr. Tiffany Alley, Assistant Professor of Microbiology and Immunology at LMU-DCOM
- Dr. Helen Cole, Professor of Graduate Education/Chair of Curriculum and Instruction
- Dr. Dave Hinkes, Assistant Professor of Business
- Jeff James, Program Director and Assistant Professor, Nurse Anesthesia Concentration
- Dr. Beryl Owens, retired MD. Dr. Owens is the IRB's new community member.

University Research Committee News

Welcome new members!

- Chair: Dr. Alan Biel, Dean for Research and STEM Initiatives and Professor of Microbiology at LMU-DCOM
- Dr. Gary Peevely, Associate professor of Graduate Education/Ed. D Program/GRED
- Martha Scheidler, Director of Foundations
- Marca Cenatiempo, Director of Health Sciences Research and Grants

Grants and Proposals Writing Class

Thursday, November 12

1- 4pm LMU-DCOM Auditoria 101

Designed for beginning grant proposal writers, this class presents a general overview of the grant and funding processes as well as the level of detail required in a successful proposal. Each component of the grant writing process will be addressed, including: documenting the need; identifying the target population; writing measurable objectives; developing a work plan, an evaluation plan and dissemination plan.

Course Materials

- [Course Pretest/Post test](#)
- [Course Agenda](#)
- [Course Presentation](#)
- [Program Planning Checklist](#)
- [Proposal Preparation Checklist](#)
- [Resources](#)



The class will be taught by Sheila Snow-Croft, Outreach Education Coordinator for the National Network of Libraries of Medicine/Southeastern Atlantic (NN/LM SE/A).

For more information and training opportunities, contact

Lisa Travis, Medical Librarian

(423) 869 7132

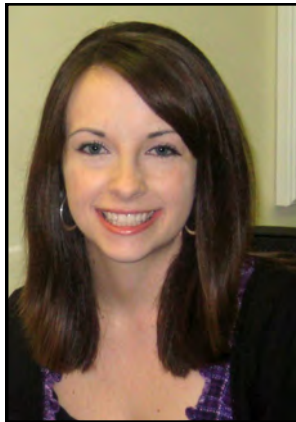
lisa.travis@lmunet.edu

Upcoming Funding Opportunities and Deadlines

Links to funding agencies and to new funding opportunities searchable by discipline are available on the ORGSP web page at

<http://www.lmunet.edu/curstudents/ORGSP/funding-sources.shtml>

Welcome Aboard



Stephanie Maiden is the new Administrative Assistant for the Office of Research Grants and Sponsored Programs, and the Office of Institutional Research.



A Note from the ORGSP Staff

Please remember that the ORGSP staff is here to assist you during the grant application and pre-approval process. Do not hesitate to contact us if you have any questions or concerns. All proposals seeking sponsored funding must be processed by the ORGSP. To ensure that the application process goes as smoothly as possible, it is important to be familiar with, and follow the required procedures. The first step in the grant application process is the submission of a pre-approval/internal routing form to the ORGSP. It is important that this form be filled out correctly and turned in promptly. It will be used by the grant’s reviewers to render a decision as to whether the University can support the proposed activities. The ORGSP cannot accept pre-approval forms that do not have the signature of the department chair. Once the grant is ready for submission, additional administrative signatures are required. If the grant is received one week prior to the date to be submitted, these signatures will be secured for the applicant by the ORGSP. A copy of the pre-approval/internal routing form can be found on our website at the link provided below, as well as more detailed information on the submission process.

<http://www.lmunet.edu/curstudents/ORGSP/forms.shtml>





ORGSP Contact Information

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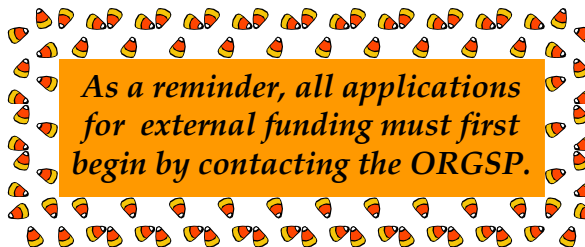
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If your grant award, application, presentation, or publication has not been mentioned in this edition, please forward your information to us using the contact information listed above.

The ORGSP is located in Duke Hall, Office Suite 304



Happy Halloween from
the ORGSP!