



Spring 2003

RMA

Resource Modeling Association

Newsletter

www.resourcemodeling.org

www.resourcemodellng.org

Come to North Carolina!

Our 2003 conference “Quantifying, Monitoring, and Modeling Ecosystem Health and Sustainability” provides a forum for new developments in modeling and analysis of natural resource systems, particularly ecological, economic and management aspects in forestry, fisheries, wildlife, agriculture, ecosystem and biodiversity conservation, and management of multiple use resources. The location is Duke Marine Laboratory in Beaufort, North Carolina, USA. For tourism and travel information visit Beaufort.net. The invited speakers include Rolfe Leary, Rolfe Leary & Associates; Ram Oren, Nicholas School of the Environment, Duke; Larry Crowder, Duke Marine Laboratory; and Francis M. Fujioka, USDA Forest Service, Pacific Southwest Forest Fire Laboratory. Additional information is inside, on page 3.



This is the place!

From the President

—Jon Conrad

The Northeastern United States has had a long, cold winter. Here at Cornell, the students are primed for Spring Break, with a mass migration to more southerly climes beginning this Friday, March 14th. At the same time, Ithaca will start to see the first neotropical song birds returning, and with a little luck we might have warmer temperatures and crocuses to greet the students upon their return. Hope springs eternal.

Speaking of migrations, two RMA Board Members have made moves or are planning to move, and this has resulted in some changes in the venue of the 2004 RMA Meetings. **Rob Alexander** has left Massey University in Palmerston, North, New Zealand, to take a position at Sweet Briar College near Lynchburg, Virginia. Rob had offered to host the 2004 RMA Meetings in

Eds. Note: As we go to press, our president has announced that he will be unable to attend the meeting due to having cataract surgery. We will miss him in Beaufort and wish him well.

New Zealand, but with his relocation back to the U.S., he had to bow out. Into the breach boldly strides **John Hearne**, who has recently relocated from the University of Natal in Pietermaritzburg, South Africa, to RMIT University in Melbourne, Australia. John has graciously offered to host the 2004 RMA Meetings, in December, in Melbourne.

So, for those of you located in the Northern Hemisphere, and who have experienced a similar winter, take heart because we are almost up to 12 hours of daylight and the songbirds are headed north. For those of you in the Southern Hemisphere, or who missed out on all the cold and snow, you might catch the tail-end of winter if you hop a plane to Ithaca today. On the other hand, you might want to devote your travel money to Beaufort, North Carolina, U.S.A.

New Member Profile

Teruhiko Marutani was born in Tokyo. He completed his education at Kwansai Gakuin University, receiving a B.S., an M.S., and, in 2002, a Ph.D. He is now a research worker in the Department of Economics at Kwansai Gakuin University. His research interests are in resource management related to economics and biology. His other interests include speculation in foreign exchange as well as tennis and skiing. Welcome to the Resource Modeling Association!

Special Modeling Session at AMS/MAA 2004

There will be a special session on Natural Resource Modeling chaired by Catherine A. Roberts (Holy Cross) and Suzanne Lenhart (Univ. TN) held at the Joint Mathematics Meeting in Phoenix, Arizona, January 7-10. Anyone interested in speaking in the session should contact Cathy at croberts@holycross.edu, immediately. She will be assembling the list of presenters within the next month.

A Note about the News(letter)

Apologies from the Newsletter Co-editors for the lack of winter edition and the lateness of this issue. (It has been a very challenging year.) We have figured out some ways to improve the system and hope to be much more timely next year!

On a related note, it would be very helpful for members to email us with news, either about themselves or other members. Such things as recent publications, new jobs, sabbaticals, current projects, opportunities that may be of interest to other members, etc., would be welcome. It's difficult to assemble a NEWSletter without sufficient news!

We are wondering what RMA members think about converting to an on-line newsletter. On the one hand, it would seem that an organization whose members are dedicated to resource modeling ought not to be contributing to the consumption of resources by publishing a paper newsletter. And production of a paper newsletter consumes more of the organization's own financial and human resources than would an on-line newsletter. Members would know exactly where to find the newsletter (and back issues), and information in it could be more up-to-date.

On the other hand, it may be that a significant number of our members do not have easy access to the Internet. Also receiving a paper reminder of the organization and its activities may be more effective for some. And paper newsletters can, after they've been read, be left in places, like departmental offices, where they could serve to bring the organization to the attention of non-members. In fact, we encourage you to do that with this issue! Perhaps two issues per year would be good, one post annual conference and one far enough in advance of the upcoming meeting to provide useful information.

We propose a transition period of having both a paper and an on-line newsletter. What do you think? Either bring your thoughts to the Beaufort meeting, where we'll raise this issue at the Board meeting, or e-mail the Co-editors, or both. A further clarification for those of you detail-oriented folk: we are not proposing the addition of the Newsletter to the webmaster's work load. The Newsletter editor(s) would produce an online publication instead of (or in addition to) a paper one.

RMA Board

Jon Conrad, President
Applied Economics & Mgt
Cornell University
455 Warren Hall
Ithaca, NY 14853
JMC16@cornell.edu

Tony Charles, Past-President
Finance and Mgt Science
Saint Mary's University
Halifax NS B3H 3C3
Canada
t.charles@stmarys.ca

Kenneth S. Lyon, Treasurer
Department of Economics
Utah State University
Logan, UT, 84322-3530
U.S.A.
klyon@b202.usu.edu

John Hearne
Journal Editor
Dept of Mathematics & Stats.
RMIT City Campus
GPO Box 2476V
Melbourne 3001
AUSTRALIA
john.hearne@rmit.edu.au

Rollie Lamberson, Executive
Secretary
Department of Mathematics
Humboldt State University
Arcata, CA 95521-4957
RHL1@axe.humboldt.edu

Robert R. Alexander, Director
Dept of Applied & Intl Econ
Massey University
Private Bag 11222
Palmerston North
NEW ZEALAND
R.R.Alexander@massey.ac.nz

Keith Criddle, Director
Department of Economics
Utah State University
Logan UT 84322-3530
kcriddle@econ.usu.edu

Catherine Roberts, Director
Dept of Math & Comp Science
College of the Holy Cross
Worcester MA 01610
croberts@holycross.edu

Karl & Diane Beres
Newsletter Co-editors
Dept of Math & Comp Science
Ripon College
P.O.Box 248
Ripon, WI 54971-0248
U.S.A.
beresk@ripon.edu
beresd@ripon.edu

RMA WEBSITE:
www.resourcemodeling.org
OR
www.resourcemodeling.org

2003 Conference Details

The Duke University Marine Laboratory is situated on Pivers Island within the Outer Banks of North Carolina, only 150 yards across the channel from the historic town of Beaufort, NC. Beaufort is accessible by air from Raleigh/Durham International Airport (164 miles) and New Bern Simmons Nott Airport (40 miles).

Cape Lookout Lighthouse Beaufort is the third oldest town in the state and is surrounded by fishing and agricultural communities. The area is well known for its historic and scenic attractions as well as being a seaside resort. A wide boardwalk along the waterfront offers a panoramic view of the water, fishing, and pleasure boats. More than 100 homes make up Beaufort's historic district. The Restoration Grounds lie in the center of this area where costumed hostesses guide visitors through the area. Other local attractions include the NC Maritime Museum, the Harvey W. Smith Watercraft Center, and the Old Burying Ground. There are very popular tours and excursions to the Cape Lookout National Seashore and Cape Lookout Lighthouse as well as the Rachel Carson National Estuarine Sanctuary -where wild horses, descendants of those shipwrecked centuries ago, graze on the marsh grass.

The meeting will include a Field Trip to the Croatan National Forest (Red-cockaded woodpecker and Longleaf Pine/Wiregrass restoration) and Weyerhaeuser Coastal Tree Farm (Environmental impact of intensive forest management)

The Conference Banquet will be a Seafood Buffet. The Banquet Speaker will be Bill Coles, Professor Emeritus, Department of Mathematics, University of Utah, Salt Lake City, UT reading "*Redemption at Pudge's Bar: A mathematicians fantasy, and other stories*" (Prerecorded)

Following the conference will be a Trip to Alligator River NWR (Red Wolf Restoration) and Outer Banks. If there is sufficient interest, the U.S. Fish and Wildlife Service in Manteo, North Carolina, will have several wildlife biologists talk to us about some of their current programs, especially the Red Wolf recovery program in the Alligator

River National Wildlife Refuge. This will happen on Friday morning. That afternoon we will take a canoe trip in this refuge. On Friday evening some rangers will take us on a wolf howling safari. There may be a small charge for the canoe trip. On Saturday the activities will be on the Outer Banks of North



Carolina and will be conducted by commercial outfits. There may be several possible outings, including tours using sea kayaks and a dolphin tour using a jet boat. Since these trips are operated by commercial groups, there will be a cost involved. If a sufficient number of people are interested in a particular trip, we may be able to arrange a group trip at a reduced rate.

A registration form is available on the RMA web site.

The conference organizing chair Bill Smith can be contacted at

USDA Forest Service
National Forest Health Monitoring Program
Research Triangle Park, NC
bdsmith@fs.fed.us

2003 Conference Agenda

- Monday, June 16 Registration and Social
- Tuesday, June 17 Conference Sessions till 1500
Excursion on R/V Susan Hudson 1600-2000
- Wednesday, June 18 Conference Sessions till 1200
Field Trip 1300-1700 Banquet 1830
- Thursday, June 19 Conference Sessions till 1500
Excursion on R/V Susan Hudson 1600-2000
- June 19-20 Trip to Alligator River NWR (Red Wolf Restoration (<http://alligatorriver.fws.gov/redwolf.html>) and Outer Banks.