



**USAIN**

# 12TH BIENNIAL CONFERENCE

May 9-12, 2010 • Purdue University • West Lafayette, Indiana

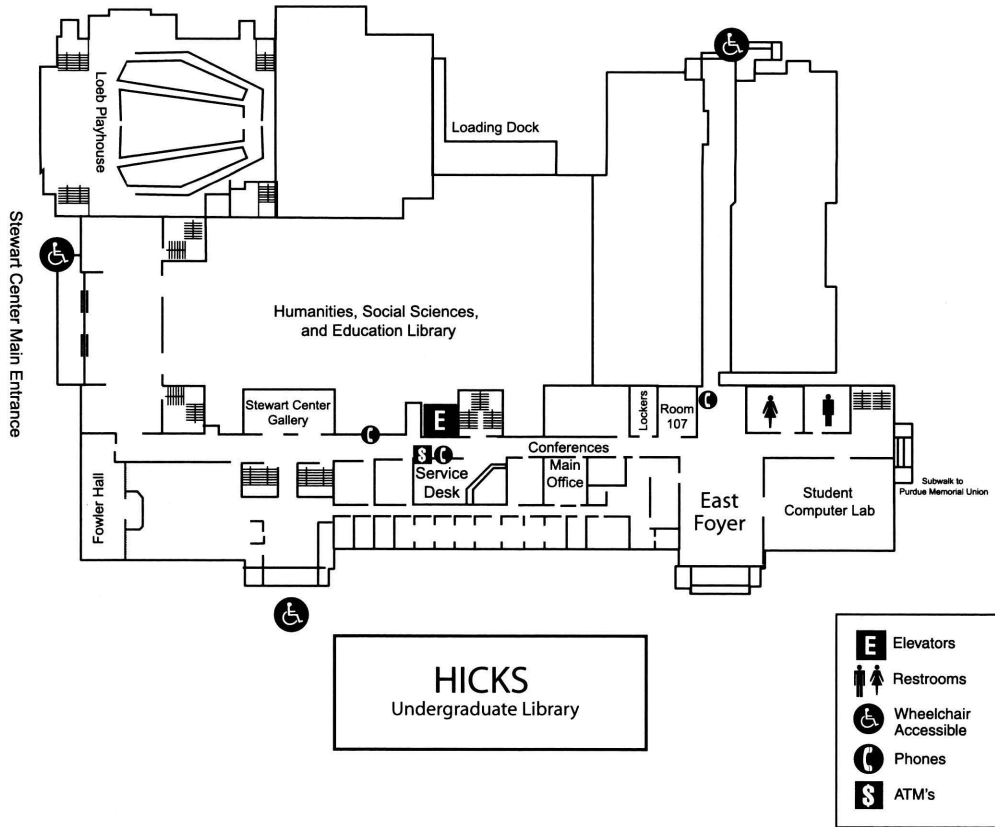
## AGRICULTURE WITHOUT BORDERS

*Creating Knowledge and Partnerships Across  
Disciplines and Across the World*



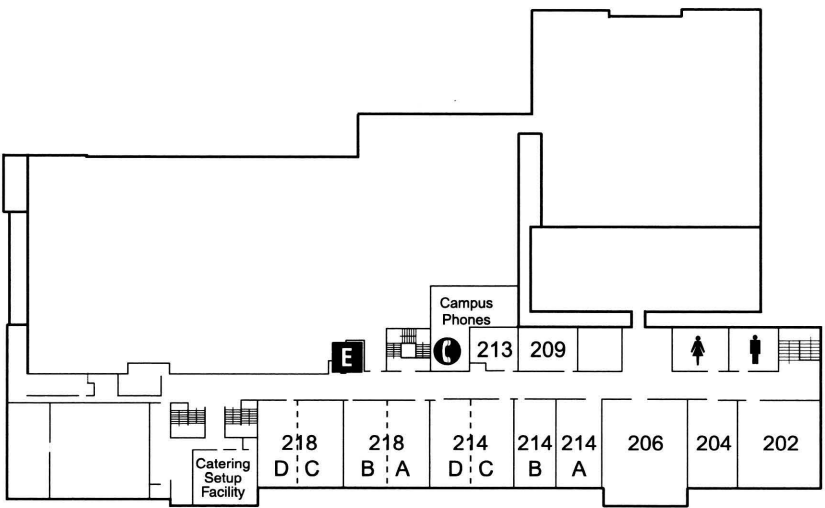
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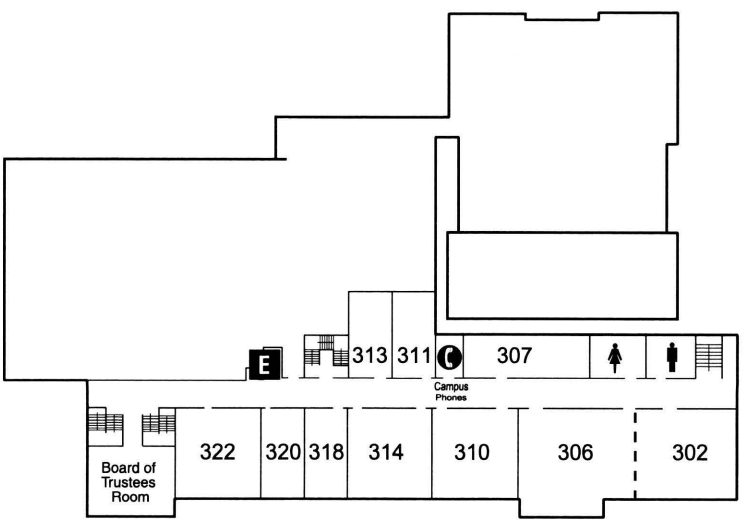


**HICKS**  
Undergraduate Library

FIRST FLOOR



SECOND FLOOR



THIRD FLOOR

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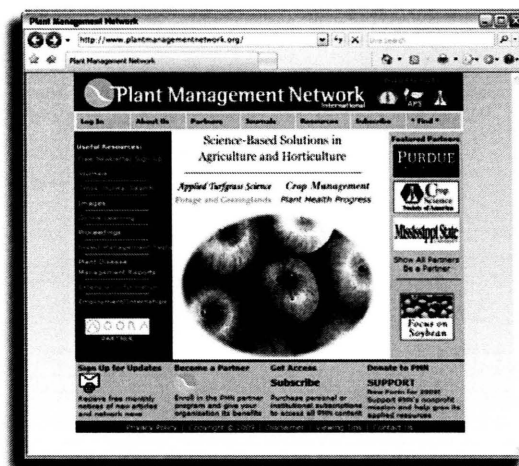
Please visit the conference Web site at:

**<http://usain.lib.purdue.edu>**



## *Enhancing the Health, Management, and Production of Agricultural and Horticultural Crops*

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- PMN Image Collections
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## *Hello USAIN members,*

Can you believe that it has been two years since Marianne Stowell Bracke took the stage with Tippy, the rubber cow mascot, and invited us to join them at Purdue in West Lafayette, Indiana for the 2010 conference? Tippy clones have traveled the world advertising this conference and we think it is a conference that lives up to the hype.

We are pleased to welcome you to Purdue and the terrific conference that awaits you. We hope you take advantage of the pre-conference activities, as well as the poster and concurrent sessions presented by your colleagues. Please stop by the vendor booths and let them know how much you appreciate their attendance and support of USAIN.

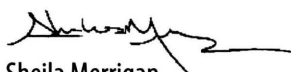
You will not want to miss the talks by our invited speakers: the key note speaker, Dr. Gebisa Ejeta, as he presents "Serving Humanity through Science"; discussions of traveling with a chicken by our dinner speaker, Tom Turpin; nor the plenary session with James De Vries of Heifer International. Also remember that in addition to the traditional NAL Update, we will also be welcoming Dr. Simon Liu, the new director of NAL. And finally, put your game face on as you compete in the Corn Toss.

The most important aspect of this conference, however, is interacting with your colleagues. This is your chance to see old friends, reconnect with an acquaintance from the last conference, and meet those new people who may be attending the conference for the first time and are filled with energy and new ideas. We welcome you all.

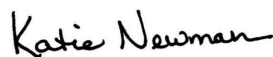
We hope you return to your institution or agency or organization revitalized. We hope you learn a great deal and go home with new ideas and thoughts. And lastly, we hope you remember that you have a terrific group of colleagues to whom you can turn when you need assistance or a sounding board for new ideas and projects.

Please let Marianne, Jeanne Pfander (program chair), the many who served on the various committees, and the slew of volunteers, know how much we appreciate them. We thank each of you for coming to the 2010 USAIN conference – please enjoy yourself!

Sincerely,



Sheila Merrigan  
President



Katie Newman  
Past President



Allison Level  
President-Elect



**Conference Planning Co-Chairs**

Marianne Stowell Bracke, Purdue University  
Jeanne Pfander, University of Arizona

**Pre-Conference Committee**

Valrie Davis, Chair, University of Florida  
Jenny Oleen, Kansas State University  
Constance Britton, The Ohio State University  
Hope Jansen, CABI  
Julie Kelly, University of Minnesota

**Invited Speakers Committee**

Margaret Merrill, Chair, Virginia Tech University  
Kyrille Goldbeck, Virginia Tech University  
Eileen Herring, University of Hawaii  
Donna Loews, BioOne  
Florian Diekmann, The Ohio State University

**Contributed Papers/Posters Committee**

Leslie Delserone, Chair, University of Minnesota  
Nancy Duran, Texas A&M University  
Jessica Page, The Ohio State University  
Deva Reddy, Texas A&M University  
Luti Salisbury, University of Arkansas

**Sponsors/Exhibitors Committee**

Elizabeth Berman, Chair, University of Vermont  
Norma Kobzina, University of California, Berkeley  
Vicki Killion, Purdue University  
Nan Hyland, Cornell University

**Web Presence Committee**

Amy Van Epps, Purdue University  
Maribeth Slebodnik, Purdue University  
Linda Foster, Purdue University  
Kayla Gregory, Purdue University

**Local Arrangements Committee**

Marianne Stowell Bracke, Purdue University  
Vicki Killion, Purdue University  
Maribeth Slebodnik, Purdue University  
Mary Dugan, Purdue University  
Gretchen Stephens, Purdue University  
Sarah Kelly, Purdue University (emerita)

**Committee Chairs**

<i>Awards and Honors</i> .....	Allison Level, Colorado State University
<i>Communications Committee</i> .....	Helen Smith, Pennsylvania State University
<i>Budget Task Force</i> .....	Anita M. Ezzo, Michigan State University
<i>Legislative &amp; Government Relations</i> .....	Madeleine Charney, University of Massachusetts
<i>Bylaws</i> .....	Katie Newman, University of Illinois
<i>Membership</i> .....	Jorie Porter, Louisiana State University
<i>Nominations/Elections</i> .....	Katie Newman, University of Illinois

**Interest Group Conveners**

<i>AgNIC Interest Group</i> .....	Diana Farmer (Convener), Kansas State University Julie Kelly (Council Liaison), University of Minnesota
<i>Animal Health Interest Group</i> .....	Helen Smith (Co-Convener), Pennsylvania State University Cindy Mitchell (Co-Convener), Colorado State University Eboni Francis (Council Liaison), Oberlin College
<i>Collection Management Interest Group</i> .....	Nancy Duran (Co-Convener), Texas A&M University Jodee L. Kawasaki (Co-Convener), University of Alaska, Anchorage Connie Britton (Council Liaison), The Ohio State University
<i>Social Issues/Rural Information Interest Group</i> .....	Deva E. Reddy (Convener), Texas A&M University Julie Kelly (Council Liaison), University of Minnesota
<i>Technology Trends Interest Group</i> .....	Claudine Jenda (Co-Convener), Auburn University Marty Kesselman (Co-Convener), Rutgers University Marianne Stowell Bracke (Council Liaison), Purdue University

**Executive Council**

<i>President</i> .....	Sheila Merrigan, University of Arizona
<i>President-Elect</i> .....	Allison Level, Colorado State University
<i>Past President</i> .....	Katie Newman, University of Illinois
<i>Secretary-Treasurer</i> .....	Anita M. Ezzo, Michigan State University
<i>NAL Representative</i> .....	Mike Esman, USDA National Agricultural Library
<i>Directors, 2008-2010</i> .....	Constance J. Britton, The Ohio State University; Eboni A. Francis, Oberlin College; Patricia Neenan, CABI
<i>Directors, 2009-2011</i> .....	Nan Hyland, Cornell University; Julie Kelly, University Of Minnesota; Marianne Stowell Bracke, Purdue University

**USAIN Awards 2010**

<i>USAIN Graduate Student Scholarship</i> .....	Karen Lindquist, Southern Connecticut State University
<i>USAIN Conference Scholarship for New Professionals</i> .....	Madeleine Charney, University of Massachusetts
<i>USAIN Conference Scholarship for New Professionals</i> .....	Amanda Werhane, University of Wisconsin-Madison
<i>USAIN Service to the Profession Award</i> .....	Melanie A. Gardner, USDA, National Agricultural Library
<i>USAIN Honorary Membership Award</i> .....	Peter R. Young, Library of Congress

## PRE-CONFERENCE

**Saturday, May 8**

1:30 p.m. – 5 p.m.

**CABI North American Library Advisory Board Meeting**  
 STEW, Humanities, Social Sciences, & Education (HSSE) Library Conference Room

**Sunday, May 9**

8:00 a.m. – Noon

**Registration**

STEW 311

7:30 a.m. – 12:30 p.m.

**USAIN Executive Council Meeting**

Purdue Memorial Union, Room 136

### *Concurrent Sessions*

8:00 a.m. – Noon

**Pre-Conference I**

STEW 307

**Research Without Borders: Open Access Strategies for Librarians**

Presenters: Jennifer McLennan, Director of Communications, Scholarly Publishing and Academic Resources Coalition (SPARC) and Charles Watkinson, Director of Purdue University Press

8:00 a.m. – Noon

**Pre-Conference IIa**

STEW 313

**Introduction to Digital Data Curation**

Presenter: Melissa Cragin, Research Assistant Professor, Center for Informatics Research in Science and Scholarship, Graduate School of Library and Information Science, University of Illinois

10:00 a.m. – 10:30 a.m.

**Morning Break**

STEW 311

Noon

**Box Lunch for Pre-Conference Attendees**

STEW 311

12:30 p.m. – 5:00 p.m.

**Tour (Fair Oaks Farm)** Meet in front of Purdue Memorial Union Hotel

1:00 p.m. – 5:00 p.m.

**Pre-Conference IIb**

STEW 313

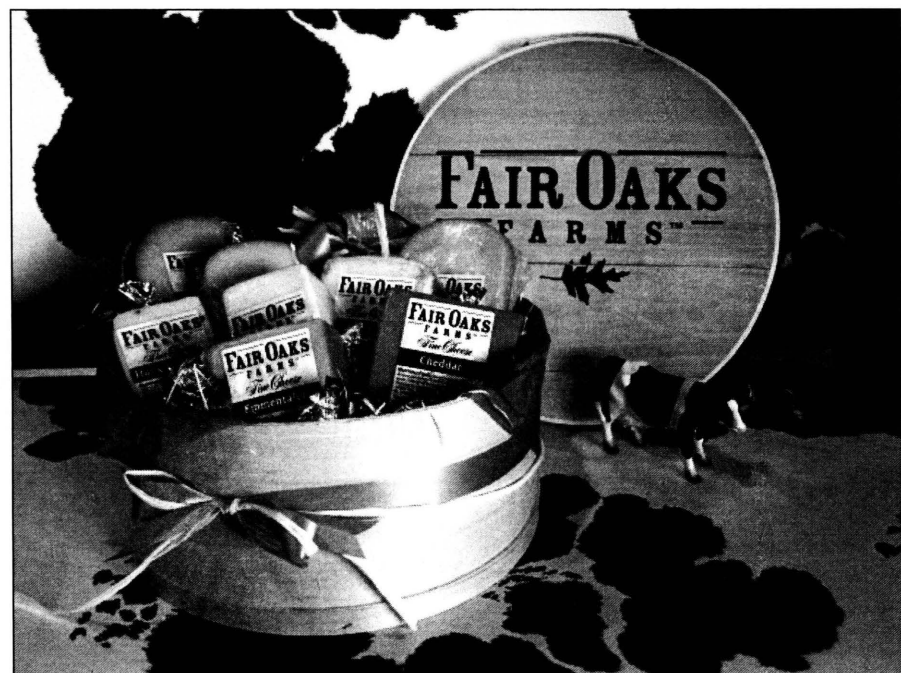
**Exploring e-Data Collections with Curation Profiles**

Presenters: Jake Carlson, Data Research Scientist, and D. Scott Brandt, Associate Dean of Research, Purdue University Libraries

6:00 p.m. – 9:00 p.m.

**Welcome Reception** East Faculty Lounge, Purdue Memorial Union

*Sponsored by ProQuest*





# CONFERENCE

Monday, May 10



PROGRAM

7:00 a.m. – 5:00 p.m.	<b>Registration</b>	STEW 302
7:00 a.m. – 8:00 a.m.	<b>Continental Breakfast / Interest Groups &amp; USAIN Committees Meet 'n Eat</b> <i>Sponsored by The Samuel Roberts Noble Foundation</i>	STEW 302
8:00 a.m. – 8:30 a.m.	<b>Opening Session</b> <b>Welcome</b> Dale Whittaker, College of Agriculture Associate Dean and Director of Academic Programs, Purdue University	STEW 218
	<b>Introduction to Keynote Address</b> Marianne Stowell Bracke, Purdue University	
8:30 a.m. – 9:15 a.m.	<b>Keynote Address</b> <b>Serving Humanity through Science: A U.S. Land Grant Spirit</b> Speaker: Dr. Gebisa Ejeta, Distinguished Professor of Agronomy, Purdue University	STEW 218
9:15 a.m. – 9:30 a.m.	<b>Questions &amp; Discussion for Keynote</b> Moderator: Marianne Stowell Bracke, Purdue University	STEW 218
9:30 a.m. – 10:00 a.m.	<b>Break &amp; Exhibits</b> <i>Sponsored by BioOne</i>	STEW 302
10:00 a.m. – 11:45 a.m.	<b>Plenary Panel</b> <b>Negotiating Local Change in Globalized Agriculture</b> Introduction: Margaret Merrill, Virginia Tech University  Speaker: Dr. Keith Moore, Director, Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM CRSP), Office of International Research, Education, and Development, Virginia Tech University  Speaker: Dr. Elizabeth P. Ransom, Assistant Professor of Sociology, Department of Sociology and Anthropology, University of Richmond  Speaker: Dr. Corinne Valdivia, Associate Professor, Department of Agricultural Economics, Division of Applied Social Sciences, University of Missouri	STEW 218
11:45 a.m. – Noon	<b>Questions &amp; Discussion for Plenary Panel</b> Moderator: Margaret Merrill, Virginia Tech University	STEW 218
Noon – 1 p.m.	<b>Lunch &amp; NAL Update</b> Speaker: Dr. Simon Liu, Director, USDA National Agricultural Library	STEW 302
1:15 p.m. – 3:00 p.m.	<b>Plenary Panel: Removing the Borders: Using Information Technology to Affect Change</b> Co-sponsored by the International Agriculture, Collection Management, Technology Trends and Social Issues Interest Groups  <b>Data, Bibliographies and Information for International Development – The HarvestChoice Approach</b> Introduction: Toni Greider, University of Kentucky/IAALD Speaker: Dr. Philip Pardey, Professor of Science and Technology Policy, University of Minnesota, and Co-director of the Gates Foundation project HarvestChoice  <b>Global Coherence for Truly Accessible Information</b> Introduction: Barb Hutchinson, University of Arizona Speaker: Stephen Rudgard, Chief of Knowledge and Capacity for Development, Food and Agriculture Organization of the United Nations	STEW 218
	<b>Questions &amp; Discussion for Plenary Panel</b> Moderator: Toni Greider, University of Kentucky/IAALD	
3:00 p.m. – 3:30 p.m.	<b>Break &amp; Exhibits</b> <i>Sponsored by USDA Economics, Statistics, and Market Information System</i>	STEW 302

3:30 p.m. – 5:00 p.m.

**Concurrent Sessions I  
Technology Track**

Hicks Undergraduate Library, B848

**New Technologies at Lightning Speed**

Moderator: Mary Ochs, Cornell University

- **The USDA Economics Statistics and Market Information System in Your Pocket: A New Mobile Site**  
Presenter: Nan Hyland, Cornell University
- **Library Link: Integrating Library Content into the Learning Management System**  
Presenter: Jessica R. Page, The Ohio State University
- **Zotero: Bibliographic Management Software**  
Presenter: Peter Fernandez, University of Tennessee
- **Collaboration through ReferenceShare**  
Presenter: Madeleine Charney, University of Massachusetts, Amherst
- **Sharing Job Opening Information**  
Presenter: Stephen Rudgard, Food and Agriculture Organization of the United Nations
- **IAALD 2.0: Integrating Social Networking into a Traditional Professional Organization**  
Presenter: Toni Greider, University of Kentucky/IAALD
- **Vivo: A Research Focused Discovery Tool**  
Presenter: Mary Ochs, Cornell University
- **Mendeley: Citation Management and Research Network**  
Presenter: Helen Smith, The Pennsylvania State University
- **AgEcon Search: Recent Growth in International Materials**  
Presenters: Julie Kelly and Louise Letnes, University of Minnesota
- **Rangelands West Goes Global**  
Presenter: Barbara Hutchinson, University of Arizona
- **AgNIC and Google Tools**  
Presenter: Melanie Gardner, USDA National Agricultural Library
- **Looking Through New Glasses: The 3Ds of Remixing the Web**  
Presenters: Luz Marina Alvare and Chris Addison, International Food Policy Research Institute (IFPRI)

**Data / Government Information Track**

STEW 318

Moderator: Leslie Delserone, University of Minnesota

- **Soil Geodata Going Fast: Purdue's Isee Project and Web App**  
Presenter: Chris C. Miller, Purdue University
- **Examining Data-related Practices of Agricultural Field Researchers**  
Presenter: Florian Diekmann, The Ohio State University
- **Government Information on Agriculture: A Cornucopia of Cross Disciplinary Content**  
Presenters: Stephanie Schmitz, Purdue University, and Marianne Ryan, Northwestern University
- **The Historic Census of Agriculture**  
Presenters: Nan Hyland and Joy Paulson, Cornell University

5:30 p.m.

**Bus departs for dinner** Meet in front of Purdue Memorial Union Hotel

6:00 p.m. – 8:00p.m.

**Dinner**

Beck Agricultural Center

*Sponsored by Thomson Reuters*

**Teaching about Insects, Travels with a Chicken, and Other Tales**

Speaker: Dr. Tom Turpin, Professor of Entomology, Purdue University

**2<sup>nd</sup> Biennial International USAIN Corn Hole Tournament**

## Tuesday, May 11



**USAID**

**PROGRAM**

7:00 a.m. – 5:00 pm	<b>Registration</b>	STEW 302
7:00 a.m. – 8:00 a.m.	<b>Continental Breakfast / Interest Groups &amp; USAID Committees Meet 'n Eat</b> <i>Sponsored by The Samuel Roberts Noble Foundation</i>	STEW 302
8:00 a.m. – 9:00 a.m.	<b>USAID Business Meeting</b>	STEW 302
9:00 a.m. – 9:45 a.m.	<b>Plenary Session: Heifer International's Approach to Sustainable Community Development</b> Introduction: Kyrille Goldbeck, Virginia Tech University Speaker: James De Vries, Executive Vice President of Programs, Heifer International	STEW 218
9:45 a.m. – 10 a.m.	<b>Questions &amp; Discussion for Plenary Session</b> Moderator: Kyrille Goldbeck, Virginia Tech University	STEW 218
10:00 a.m. – 10:30 a.m.	<b>Break &amp; Exhibits</b> <i>Sponsored by ProQuest</i>	STEW 302
10:30 a.m. – 11:30 a.m.	<b>Plenary Panel: Local Food – Revolution and Reality</b> Introduction: Margaret Merrill, Virginia Tech University Speaker: Dr. John Ikerd, Professor Emeritus of Agricultural Economics, University of Missouri Columbia Speaker: Matthew Jose, Owner/Operator, Big City Farms, Indianapolis, Indiana	STEW 218
11:30 a.m. – 11:45 a.m.	<b>Questions &amp; Discussion for Plenary Panel</b> Moderator: Margaret Merrill, Virginia Tech University	STEW 218
11:45 a.m. – 1:30 p.m.	<b>Lunch "On Your Own"</b> <b>International Ag IG Business Meeting</b> Hicks Undergraduate Library, B848 <b>Friends of Tippy Knitting Society (FoTKS)</b> River Knits Fine Yarns 926 Main Street, Lafayette, IN 47901	
1:30 p.m. – 3:00 p.m.	<b>Concurrent Sessions II</b> <ul style="list-style-type: none"><li>• <b>Interdisciplinarity Track</b> STEW 313 Moderator: Jessica R. Page, The Ohio State University</li><li>• <b>Information Literacy Across the Disciplines: Agriculture, Natural Resources, and the Sciences</b> Presenters: Elizabeth Berman, University of Vermont, Allison Level, Colorado State University, and Maribeth Slebodnik, Purdue University</li><li>• <b>The Diverse and Interdisciplinary Nature of Veterinary Research: An Analysis of Research Trends at Six Midwestern Colleges of Veterinary Medicine</b> Presenters: Gregory Youngen and Amy Gullen, University of Illinois</li></ul>	
	<b>New Roles/Partnerships Track</b> STEW 314 Moderator: Deva Reddy, Texas A&M University <ul style="list-style-type: none"><li>• <b>Current Awareness and Personal Information Management: A Challenge for Researchers and a Role for Librarians</b> Presenter: Julie Kelly, University of Minnesota</li><li>• <b>Connecting Agriculture Information with Learning and Teaching of Students and the Community</b> Presenters: Katherine O'Clair and Benali Burgoa, California Polytechnic State University, San Luis Obispo</li><li>• <b>Terminology Across Borders: A Partnership to Build a Bilingual Tool for the Americas</b> Presenters: Lori Finch and Melanie Gardner, USDA National Agricultural Library</li><li>• <b>Liaison Librarian Tectonics: Shifting Roles, Responsibilities, and Challenges</b> Presenter: Allison Level, Colorado State University</li></ul>	
3:00 p.m. – 3:30 p.m.	<b>Break &amp; Exhibits</b> <i>Sponsored by ProQuest</i>	STEW 302

3:30 p.m. – 4:30 p.m.

**Vendor Updates**

STEW 302

Moderator: Jeanne Pfander, University of Arizona

- **New Content and Platforms from CABI**  
Presenter: Shaun Hobbs, Global Director, Content Development, CABI
- **ProQuest Agricultural Science Collection**  
Presenter: Rich Hummel, Senior Product Manager, SciTech Products, ProQuest
- **Using Web of Knowledge to Facilitate Discovery at Land Grant Institutions (Thomson Reuters)**  
Presenter: Brian Keyes, Solution Sales Representative, Thomson Reuters

4:30 p.m. – 5:15 p.m.

**Poster Sessions**

STEW 302

*Sponsored by the USDA National Agricultural Library*

**VIVO: Creating Partnerships across Disciplines**

Valrie Davis, University of Florida; M.H. Devare, Cornell University; K.L. Holmes, Washington University in St. Louis School of Medicine; and S. Russell Gonzalez, M.R. Tennant, and M. Conlon, University of Florida

**Creating New Partnerships: An Examination of Two Collaborative, Grant-funded Digitization Projects**

Jenny Oleen and Livia Olsen, Kansas State University

**Critical Thinking in Library Instruction: Charting the High Points and Avoiding the Sinkholes in the College Library Landscape**

Jo Staggs-Neel, University of Kentucky

**LibX: Reconnecting Users and Libraries**

Kyrille Goldbeck, Virginia Tech

**Embedding Science Librarians into the Academic Community: An Accumulation of Best Practices**

Kyrille Goldbeck, Allison Scripa, and Margaret Merrill, Virginia Tech

**Integration and Collaboration: Leveraging IT/Library Cooperation by Combining Traditional Research Instruction with Technology Training**

Amy Shannon and Ann Medaille, University of Nevada, Reno

**Understanding and Researching the U.S. Farm Bill**

Bert Chapman, Purdue University

**A Structured Approach to Understanding Agricultural Libraries in Africa**

Shiferaw Assefa, University of Kansas

**Fostering International Communications: The Development of the Web-based International Directory of Veterinary Medical and Related Libraries**

Vicki Croft, Washington State University; Tara Tobin, University of Florida; Susanne Whitaker, Cornell University; and Trenton Boyd, University of Missouri

**Plant Information Online: Growing an Information Resource from the Ground Up**

Katherine Allen, University of Minnesota

**Digitizing Alabama Experiment Station Agriculture Reports: Successes & Challenges**

Claudine Jenda, Auburn University

**If We Build It, Will They Come?**

Katherine O'Clair and Marisa Ramirez, California Polytechnic State University, San Luis Obispo

**Small Projects that Make a Big Difference**

Federico Sancho, Inter-American Institute for Cooperation on Agriculture (IICA) and Melanie Gardner, USDA National Agricultural Library

5:45 p.m.

**Bus leaves for dinner** Meet in front of Purdue Memorial Union Hotel

6:00 p.m. – 8:00 p.m.

**Dinner and Awards Banquet (cash bar)** Trails Banquet Hall

*Sponsored by College of Agriculture, Purdue University*

## Wednesday, May 12



# PROGRAM

<b>7:30 a.m. – 8:30 a.m.</b>	<b>Continental Breakfast / Interest Groups &amp; USAIN Committees Meet 'n Eat</b> <i>Sponsored by Plant Management Network</i>	STEW 302
<b>8:30 a.m. – 10:00 a.m.</b>	<b>Concurrent Sessions III</b>	
	<b>Preservation Committee Update</b> Presenters: Joy Paulson and Marty Schlabach,, Cornell University	STEW 313
	<b>Animal Health Interest Group</b> <b>Animal Welfare Information: Supporting Research and IACUC at Your Institution</b> Moderator: Helen Smith, The Pennsylvania State University Presenters: Tim Allen, USDA Animal Welfare Information Center; Jodee Kawasaki , University of Alaska; and Valerie Perry, University of Kentucky	STEW 314
<b>10:00 a.m. – 10:30 a.m.</b>	<b>Break &amp; Exhibits</b>	STEW 302
<b>Noon</b>	<b>Concurrent Sessions IV</b>	
	<b>Social Issues / Rural Info IG Program</b> <b>Libraries and Librarians, a Potential Resource for the Local Foods Movement</b> Presenters: Margaret Merrill and Kyrille Goldbeck, Virginia Tech University and Deva Reddy, Texas A&M University	STEW 314
	<b>Collection Management IG Program</b> <b>Storage and Weeding Roundtable Discussion</b> Moderator: Jodee Kawasaki , University of Alaska	STEW 313
<b>Noon – 1:15 p.m.</b>	<b>Lunch &amp; Closing Session</b>	STEW 302
	<b>Traditional Botanical Knowledge Meets Modern Science: (and the Mystery of the Crystal Skull)</b> Introduction: Margaret Merrill, Virginia Tech University Speaker: Dr. John Arnason, Professor, Department of Biology, University of Ottawa	
<b>1:15 p.m. – 1:30 p.m.</b>	<b>Questions &amp; Discussion</b> Moderator: Margaret Merrill, Virginia Tech University	STEW 302
<b>1:30 p.m. – 3:00 p.m.</b>	<b>Tour of Purdue Special Collections &amp; Archives</b> Meet at the Humanities, Social Sciences, & Education (HSSE) Library, STEW at the front desk on the first floor	



<b>3:00 p.m. – 5:00 p.m.</b>	<b>Inspired Fire Glassblowing Tour</b> Meet in front of Purdue Memorial Union Hotel	
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## Pre-conference I

### Jennifer McLennan, SPARC

Jennifer McLennan has been with SPARC since September 2005. She manages a wide portfolio of SPARC projects as well as communications oversight in all of the coalition's endeavors, including member relations, grassroots activism, media outreach, publications, and Web communications. Jennifer is also liaison for key SPARC partners and coordinates aspects of SPARC operations. With Jennifer's direction, the SPARC communications program has advanced to include a completely new Web site, the launch of SPARC podcasts, a revision of SPARC's bi-monthly e-news, and a 10% growth in membership.

### Charles Watkinson, Purdue University

Charles Watkinson has been Director of Purdue University Press since 2009. He was previously Director of Publications at the American School of Classical Studies at Athens from 2004 to 2009. Prior to that he was VP for Business Development at Oxbow Books, a specialist book distributor, and General Manager at David Brown Book Company, Oxbow's North American branch office. He has over 15 years of experience as a bookseller, librarian, and publisher. Charles is a Board member of the Society for Scholarly Publishing and has been co-Chair of its Education Committee since 2007.

## Pre-conference II

### Melissa Cragin, University of Illinois

Melissa Cragin is a Research Assistant Professor at the Graduate School of Library and Information Science (GSLIS), University of Illinois. Melissa conducts research in scholarly and scientific communication, specializing in scientific data practices and their relationship to the emerging field of data curation. As an investigator at the Center for Informatics Research in Science and Scholarship (CIRSS), she is part of the Data Practices team of the NSF-funded Data Conservancy, and the PI for the IMLS-funded Data Curation Education Program (DCEP). Dr. Cragin has a MLIS from Rutgers University, and a Ph.D. from the University of Illinois, where her dissertation work investigated the functions of shared data collections in neuroscience.

### Jake Carlson, Purdue University

Jake Carlson is a Data Research Scientist at the Purdue University Libraries. In this role, he explores the application of the theories, principles and practices of library science beyond the domain of traditional "library work". In particular, Carlson seeks to increase the Libraries' capabilities and opportunities to work in data-related research. Much of his work is done through direct collaborations and partnerships with research faculty. Carlson is one of the architects of the Data Curation Profile tool developed by Purdue and the University of Illinois.

### D. Scott Brandt, Purdue University

D. Scott Brandt is a Professor of Library Science and Associate Dean for Research in the Purdue University Libraries. As acting director of the Distributed Data Curation Center, he oversees efforts to investigate solutions for curation issues of organizing, facilitating access to, archiving and preserving research data and data sets in complex environments. He oversees the Libraries' research agenda, ensuring participation in sponsored funding ranging from the NSF and USDA, to the Institute of Museum and Library Services, to local seed grants. Since April 2005, librarians have participated on 61 collaborative grants with 70 faculty across the West Lafayette campus. Prior to arriving at Purdue in 1993, he was Associate Head of the Science and Engineering Libraries at MIT. He received his MLS at Indiana University, and is the author of *Teaching Technology* (2002) and *Unix in Libraries* (1991).

## Keynote Address : Serving Humanity through Science: A U.S. Land Grant Spirit

### Gebisa Ejeta, Purdue University

Gebisa Ejeta is a native of Ethiopia. He received a BSc in Plant Science from Alemaya College of Agriculture and his PhD in Plant Breeding and Genetics from Purdue University in 1978. Dr. Ejeta started his professional career as a principal plant breeder at the International Crop Research Institute for the Semi Arid Tropics (ICRISAT) where he developed the first commercial sorghum hybrid in Africa, and catalyzed the creation of a viable seed industry.

Dr. Ejeta joined the faculty of Purdue University in 1984 where he currently holds a position of Distinguished Professor of Plant Breeding & Genetics. He conducts interdisciplinary sorghum research focusing on a continuum ranging from basic genetics to the development and delivery of technologies that address primary constraints of sorghum in both the developed and developing world. His findings have advanced the knowledge base of the genetics and physiology of the major biotic and abiotic stresses afflicting the crop, including nutritional quality, drought, plant diseases, and the parasitic weed *Striga*. He developed, released, and facilitated the adoption and spread in several countries of a number of sorghum varieties and hybrids. He has studied and promoted biodiversity and advanced the effective exchange and use of crop germplasm resources globally.

Professor Ejeta is a leader in international development through his crop improvement research and his efforts in human capacity and institution building, as well as in his advisory capacity on research program management. He has served on review panels and advisory boards of major agricultural research and development organizations including the international agricultural research centers (IARCs), the Rockefeller Foundation, the Food and Agricultural Organization (FAO) of the United Nations, and a number of national and regional organizations in Africa. Recently, he spent a sabbatical year in Nairobi, Kenya assisting the Rockefeller and Gates Foundations launch of their new joint initiative, the Alliance for Green Revolution in Africa. He is currently a member of the Science Council of the Consultative Group for International Agricultural Research (CGIAR). Gebisa Ejeta is the 2009 World Food Prize Laureate.

## Plenary Panel: Negotiating Local Change in Globalized Agriculture

### Dr. Keith M. Moore, SANREM CRSP

Dr. Keith M. Moore is Associate Program Director for the Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM CRSP) in the Office of International Research, Education, and Development (OIRE); and Adjunct Professor of Sociology at Virginia Tech. Dr. Moore has over 30 years of experience in the design, implementation and analysis of agricultural and natural resource-based projects and policies; his activities have included managing research and technology transfer programs, diagnosing institutional and technical constraints, building community-level social infrastructure, analyzing choice and decision making in farming systems, and facilitating stakeholder communication. Dr. Moore received a Bachelor's degree in Political Economy at University of California-Santa Cruz, a Master's degree in Rural Development at the Institute of Social Studies in The Hague, Netherlands and a doctorate in Sociology at the University of Wisconsin-Madison. His research has taken him to Latin America and the Caribbean, North and West Africa, Eastern and Western Europe, and South East Asia. His most recent book--*The Sciences and Art of Adaptive Management: Innovating for Sustainable Agriculture and Natural Resource Management*, 2009, is a substantive guide to facilitating successful programs.

**Dr. Elizabeth Ransom, University of Richmond**

Dr. Elizabeth Ransom received her Bachelor's degree from Western Carolina University and her Master's and PhD from Michigan State University. Her research interests are in the areas of international development and globalization, the sociology of agriculture and food, and social studies of science and technology. Her recent research focuses on the linkages between Southern African (South Africa, Botswana, and Namibia) red meat industries and global food systems. She has published several articles focused on the global red meat trade, agricultural biotechnologies, and the patterns and problems surrounding modern food consumption practices. A secondary area of research involves studying structured inequalities in sports. She also teaches courses within these areas of interest including, *Feast & Famine: Inequalities in the Global Food System*, *Social Studies of Science and Technology*, and *Sport in Society*.

**Dr. Corinne Valdivia, University of Missouri**

Dr. Corinne Valdivia received her Bachelor's degree in Economics and Planning from the Universidad Nacional Agraria in La Molina, Peru, and her Master's and PhD in Agricultural Economics from the University of Missouri-Columbia. As a scientist her goals are to learn, develop, and communicate approaches and methods that enable us to understand, evaluate, and identify means through which people can pursue sustainable and secure livelihoods. As an economist she strives to understand the underlying economic constraints and opportunities to achieving this security; as a social scientist she incorporates non-economic motivations (eg. life cycle, gender, institutions) into the research process, to understand how decision makers are agents of change.

Dr. Valdivia, a member of the doctoral faculty at the University of Missouri-Columbia, is currently focusing her research and outreach activities on understanding the mechanisms that lead to sustainable livelihood strategies—all of which require collaboration and interaction with several disciplines. The purpose is to understand the factors that enable individuals, households and communities in rural areas to transition to food security and economic growth in a sustainable manner, and to design technologies and policies to facilitate this process.

Much of Dr. Valdivia's research has evolved into outreach activities. These projects focus on strengthening the capacities of people in national agricultural research institutions by incorporating social sciences research that facilitates a greater positive impact of technologies developed for small holder producers.

**Dr. Simon Liu, USDA National Agricultural Library**

Dr. Liu is the Director of the National Agricultural Library (NAL). Prior to that, he was an Associate Director and Director of Information Systems at the National Library of Medicine (NLM), the Acting Director of Information Management and Security at the Department of Justice, the Chief Information System Architect at the Treasury Department, and a program manager in the private sector.

Dr. Liu holds two doctorate degrees, in Computer Science and Higher Education Administration, from George Washington University, a Master of Arts degree in Government from Johns Hopkins University, a Master of Business Administration (MBA) degree from the University of Maryland, a Master of Science degree in Computer Science from Indiana University, and a Bachelor of Science degree in Mathematics from Chun-Yuan University, Taiwan.

Dr. Liu has taught courses at four local universities including Johns Hopkins University, the University of Maryland, George Washington University, and the University of Maryland University College. He is the Editor-in-Chief of an information technology magazine and an editor of an information technology journal. Dr. Liu has published more than 60 book chapters, journal articles, and conference papers and has served as a speaker of numerous conferences, workshops, and seminars.

**Plenary Panel: Removing the Borders: Using Information Technology to Affect Change**
**Dr. Philip Pardey, University of Minnesota**

Philip G. Pardey is Professor of Science and Technology Policy in the Department of Applied Economics at the University of Minnesota where he also directs the University's International Science and Technology Practice and Policy (InSTePP) center. Previously he was a senior research fellow at the International Food Policy Research Institute, Washington D.C., and prior to 1994 at the International Service for National Agricultural Research in The Hague, Netherlands. He is a Fellow of the American Agricultural Economics Association and a Distinguished Fellow and President of the Australian Agricultural and Resource Economics Society. His research deals with the finance and conduct of R&D globally, methods for assessing the economic impacts of research, and the economic and policy (especially intellectual property) aspects of genetic resources and the biosciences. He currently co-directs a Gates Foundation project, HarvestChoice ([www.HarvestChoice.org](http://www.HarvestChoice.org)), designed to inform and guide investments intended to stimulate productivity growth in African agriculture. Pardey is author of more than 220 books, articles, and papers, including, including, *Ending Hunger in Our Lifetime: Food Security and Globalization* (John Hopkins University Press, 2003), *Saving Seeds: The Economics of Conserving Crop Genetic Resources Ex Situ in the Future Harvest Centers of the CGIAR* (CAB International 2004), *Agricultural R&D in the Developing World: Too Little, Too Late?* (International Food Policy Research Institute, 2006), and *Persistence Pays: U.S. Agricultural Productivity Growth and the Benefits from Public R&D Spending* (Springer 2010). A complete listing of publications is available at [www.apec.umn.edu/faculty/ppardey/publications.html](http://www.apec.umn.edu/faculty/ppardey/publications.html).

**Stephen Rudgard, Food and Agriculture Organization of the United Nations**

Stephen Rudgard is the Chief of Knowledge and Capacity for Development at FAO in Rome. He heads a global team which works on programs aimed at strengthening capacities of institutions and individuals in developing countries to manage and share information, and which facilitates several global partnerships in information/knowledge in agricultural development. He joined FAO in 2000 after ten years at CAB International (CABI) as a Director in its Information for Development Programme. He has a PhD in Plant Pathology and worked for ten years on cocoa disease management before moving into agricultural information.

**Monday Dinner**
**Dr. Tom Turpin, Purdue University**

Tom Turpin created "Bug Bowl" in 1990 to demonstrate insect mobility to his students. The annual event, now part of Purdue Spring Fest, attracts more than 25,000 people as well as worldwide media attention. A popular speaker, he gives presentations on a variety of agricultural-related topics to audiences of all ages and has been featured in national magazines, on network television shows and talk and call-in radio programs. A dedicated teacher, he has received numerous teaching honors, including Purdue's top undergraduate teaching award. In 2008 Turpin was named the recipient of the Howde Award for service to the people of Indiana and was named an honorary Master Farmer by *Prairie Farmer* magazine. He is the author of numerous scientific papers, a textbook, and two popular books about insects: *Flies in the Face of Fashion*, *Mites Make Right*, and *Other Bugdacious Tales* and *What's Buggin' You Now? Bee's Knees, Bug Lites, and Beetles*.

## Plenary Session: Heifer International's Approach to Sustainable Community Development

### James DeVries, Heifer International

Dr. James De Vries directs Heifer International's Programs Division, which includes the areas of Africa, the Americas, Asia/South Pacific and Central and Eastern Europe. He provides leadership to the headquarters team as well as to Heifer's on-the-ground staff around the world, developing and managing more than 898 projects through 40 country offices. He has been Director of Programs since 1992, being named Senior Vice President of Programs in 2003 and Executive Vice President in 2008. He was also the Director of Africa/Near East Programs from 1982 to 1992. Prior to Heifer, Dr. DeVries was a professor and head of the Agricultural Extension and Education Department at Sokoine University in Tanzania. He has a Ph.D. in Continuing and Vocational Education from the University of Wisconsin, an M.S. in Cooperative Extension (education) and a B.A. in History and Religion from Bloomfield College in New Jersey.

The mission of Heifer International is to work with communities to end hunger and poverty and care for the Earth. Since 1944, Heifer has helped 10.5 million families in more than 125 countries move toward greater self-reliance through the gifts of livestock and training in environmentally sound agriculture. The impact of each initial gift is multiplied as recipients agree to pass on the gift by giving one or more of their animals' offspring, or the equivalent, to another in need.

## Plenary Panel: Local Food – Revolution and Reality

### Dr. John Ikerd, University of Missouri

Dr. John Ikerd was raised on a small dairy farm in southwest Missouri. He was educated at the University of Missouri, receiving the BS, MS, and PhD degrees in Agricultural Economics. Dr. Ikerd spent three years working for Wilson Foods in Kansas City, MO, Atlanta, GA, and Detroit, MI. After receiving his PhD in 1970, he worked for North Carolina State University and Oklahoma State University as an Extension Agricultural Economist. In 1984 he moved to the University of Georgia to serve as Head of Extension Agricultural Economics.

In 1989, he returned to the University of Missouri to provide state and national leadership for research and education programs relating to sustainable agriculture. As state co-coordinator of extension programs in sustainable agriculture, Dr. Ikerd was responsible for implementing a national professional development program for extension workers and others who provided Missourians with information related to sustainable agriculture. Other major research and educational programs included participatory on-farm research and demonstration programs and evaluation of impacts of sustainable agriculture on quality of life of farm families and others in rural communities. Dr. Ikerd was project leader for a three-state, five-year program, with funding from the W.K. Kellogg Foundation, which linked sustainable agriculture and sustainable community development. In early 2000, he retired from the University of Missouri with the rank of Professor Emeritus of Agricultural Economics.

Since retiring, Dr. Ikerd spends most of his time writing and speaking on issues related to sustainable agriculture with an emphasis on the economics of sustainability. He is the author of numerous journal articles and several books: *Sustainable Capitalism: A Matter of Common Sense*; *Small Farms are Real Farms: Sustaining People through Agriculture*; *Return to Common Sense*; *Crisis and Opportunity: Sustainability in American Agriculture*.

### Matthew Jose, Big City Farms

Matthew Jose has been involved with local food efforts for the past seven years. He got his first taste of the farming life while tending livestock and running various educational programs at Overlook Farm in central Massachusetts. After his stint there, he moved way out west to Portland, OR, to work in a fancy French bakery, making croissants and other delectables. While there, Matthew began to get involved with small-scale community garden projects.

Tired of waking up at 2:00 a.m., Matthew made his way back east to assist community garden groups in New York City. He returned to Overlook Farm in 2005 to focus on growing vegetables, working as an assistant grower on the farm's three acre veggie operation. After all of the travelling, Matthew returned to his hometown of Indianapolis. He eventually began working for the Purdue University-Marion County Extension Service and Keep Indianapolis Beautiful, helping to organize community gardens, garden education programs, and school beautification projects. During that time, he developed the short-lived Urban Farm Project - a program that used vacant lots for vegetable production in addition to training local high school students in small-scale farming practices. At the beginning of 2009, Matthew created Big City Farms in an effort to try and meet the growing demand for fantastic-tasting, locally-grown produce. Big City Farms converts vacant urban lots to vegetable and fruit producing gardens, specializing in heirloom and open-pollinated vegetables. These mini-farms, eight lots on the near east side of Indianapolis, breathe new life into formerly empty lots and remind us that high quality, fresh produce can be grown right around the corner. Big City Farms is committed to bringing farming back into the urban environment. The produce is available through a CSA program that runs from June through October, in addition to limited sales at the Indianapolis Winter Farmers Market.

## Closing Session

### Dr. John Thor Arnason, University of Ottawa

John Arnason is Professor of Biology at the University of Ottawa, Canada. Arnason's laboratory was established over twenty years ago and focuses on ethnobotany and medicinal natural products. He and his students have completed ethnobotany research in Borneo, Togo, East Timor, and especially Central and North America, documenting traditional knowledge and supporting its local use. Currently, his group is undertaking studies on the efficacy and safety of plants used by indigenous Maya traditional healers for mental health and Cree healers for diabetic complications. Dr. Arnason is an advisor to the American Botanical Council (publisher of *HerbalGram*), a founding member of the Natural Health Product Research Society and former president of the Phytochemical Society of North America. Over sixty graduate students have completed their theses in his lab with studies on the pharmacology, phytochemistry and taxonomy of many North American plants including echinacea, goldenseal and unique germplasm such as Ontario ginseng, Nunavik *Rhodiola* and subarctic *Vaccinium* species. His work also includes identification of new useful antimalarials, antifungals, antioxidants, anxiolytics, botanical insecticides, and biofilm inhibitors from tropical plants. A prolific author, Dr. Arnason's most recent book is MacKinnon, D., Arnason JT et al., *Edible and Medicinal Plants of Canada*, 2009, Lone Pine Publishing.



## Sunday, Pre-Conferences

### Preconference I

#### Research Without Borders: Open Access Strategies for Librarians

Presenters: Jennifer McLennan, SPARC and Charles Watkinson, Purdue University

This session will explore the intersection of agricultural sciences with the growing worldwide vision for open access to research. Jennifer McLennan, Director of Communications, will introduce open access, explore the advanced progress of the movement on campus, national, and international fronts, present the different paths toward opening access to research in agricultural sciences, and discuss benefits and key considerations. The session will also include practical input from peers with experience working with faculty, students, and administrators on the issue.

### Preconference II

#### Introduction to Data Curation (Part 1) and Advanced Data Curation (Part 2)

As librarians move to provide services to support "cyber-enabled" researchers, they will need enhanced knowledge to engage in liaison activities. Early explorations in this area indicate that librarians may need to support research further "upstream" in its lifecycle than in the traditional scholarly communication cycle. Working in collaboration with researchers and being directly involved in the research process can be intimidating for librarians when there is a lack of methodologies and tools available to help. Librarians at Purdue University and the University of Illinois received a National Leadership Grant from the Institute of Museum and Library Services to investigate issues related to research data collections, and will share knowledge and tools to help address these problems.

#### Part 1 : Introduction to Data Curation - A Running Tour through the Data Curation Environment

Presenter: Melissa Cragin, University of Illinois

Data curation is the active and on-going management of research data through its lifecycle of interest and usefulness to scholarship, science, and education. Curation activities and policies enable data discovery and retrieval, maintain data quality, and provide for re-use over time. This morning's workshop provides a broad overview of theoretical and practical problems in this emerging field. We will examine and discuss issues related to research processes and lifecycles, scholarly communication, research data collections, appraisal and selection, use and re-use, and cost and service models. We will introduce the conception of the Data Curation Profiles Project, and draw on some of our findings to serve as examples during the presentation and discussion.

#### Part 2 : Advanced Data Curation - Exploring e-Data Collections with Curation Profiles

Presenters: Jake Carlson and D. Scott Brandt, Purdue University Libraries

The Data Curation Profile is a resource for librarians and others who want information about data generated and used in research areas that may be published, shared, and archived for re-use and dissemination. Data Curation Profiles capture information about data generated by a single scientist or lab, and indicate how this data could be curated based on the reported needs and preferences of the data owners. This workshop introduces the Data Curation Profile tool, and through hands-on activities will show how these can help enable librarians and others to make informed decisions in working with data from various research areas or disciplines.

## Monday , Contributed Papers / Sessions

### New Technologies at Lightning Speed

Moderator: Mary Ochs, Cornell University

#### The USDA Economics Statistics and Market Information System in Your Pocket: A New Mobile Site

Nan Hyland, Cornell University

The USDA Economics Statistics and Market Information System, which began in 1993, provides free, rapid access to over 3500 reports and datasets produced by five USDA economic agencies. A new platform-independent mobile site, introduced in February 2010, is available at <http://m.usda.mannlib.cornell.edu>. Nan Hyland will highlight the features of the site.

#### Library Link: Integrating Library Content into the Learning Management System

Jessica R. Page, The Ohio State University

Library Link is a web tool that puts customized library content, targeted to specific colleges, departments, or courses, directly into course pages within the learning management system. Library Link pages give local, distance, and international students direct, seamless access to content, and provide students with a personal contact at the OSU libraries.

#### Zotero: Bibliographic Management Software

Peter Fernandez, University of Tennessee

This presentation will discuss how the 2.0 Beta version of Zotero, an open-source program, takes the personal bibliographic management software to the next level by adding a robust set of tools for distance collaboration.

#### Collaboration Through ReferenceShare

Madeleine Charney, University of Massachusetts, Amherst

RefShare is a RefWorks module which allows you to embed a persistent link into a website, blog, online course, or e-mail. One click takes any reader to a list of sources with an option to exchange comments.

#### Sharing Job Opening Information

Stephen Rudgard for Gauri Salokhe, FAO

As technologies emerge for sharing and interlinking different types of information, there is a real business-case for creating a standard to describe jobs. This new standard, the Agricultural Jobs AP (Ag-Jobs AP), keeps the information communicated simple yet interoperable across domains and organizations.

#### IAALD 2.0: Integrating Social Networking into a Traditional Professional Organization

Toni Greider, University of Kentucky/IAALD

For the past 5 years, IAALD has been moving from a traditional paper-based organization to one that has adapted social networking as a means of communication. This presentation will cover some of the ways the organization is integrating social networking into its daily activities.

#### Vivo: A Research Focused Discovery Tool

Mary Ochs, Cornell University

This talk will present a brief overview of VIVO (<http://vivo.cornell.edu>), a research tool that transcends college and departmental boundaries to supplement names of researchers with information such as recent publications, academic credentials etc. VIVOweb, a multi-institutional version of VIVO is currently in development thanks to the support of NIH's Center for Research Resources.



### **Mendeley: Citation Management and Research Network**

*Helen Smith, The Pennsylvania State University*

Mendeley is a "combination of a desktop application and a website which helps you manage, share and discover both content and contacts in research". It can be used simply as a citation management tool with easy import functions and a powerful PDF viewer, or as a research network to discover research trends and connect with other researchers around the world.

### **AgEcon Search: Recent Growth in International Materials**

*Julie Kelly and Louise Letnes, University of Minnesota*

Although it began as a modest solution to a problem at a few Midwestern land-grant universities, AgEcon Search has developed into a resource for researchers and students throughout the world. Many of the new additions in the past two years have been small journals from areas outside the US, including Latin America, eastern Europe, and Asia. In some cases, the journals were actively recruited, and in others, the editors or publishers sought out AgEcon Search.

### **Rangelands West Goes Global**

*Barbara Hutchinson, University of Arizona*

Since 2002, the Rangelands West web portal has been developed by a partnership of librarians and range specialists from nineteen land-grant universities in the Western U.S. During the past year, the partnership has expanded its interests to the global arena, now working with the Food and Agriculture Organization of the United Nations and potential partners in Australia and South Africa. This presentation will demonstrate the concept for and first iteration of the proposed Global Rangelands Knowledge System.

### **AgNIC and Google Tools**

*Melanie Gardner, USDA National Agricultural Library*

Google offers tools that make collaboration easier and AgNIC has begun to utilize several Google Tools. Wikis, sites, and other tools make collaboration a snap!

### **Looking Through New Glasses: The 3Ds of Remixing the Web**

*Luz Marina Alvare and Chris Addison, IFPRI*

As we move to a new *Decentralised* way of working, the requirements to *Describe* the online items are crucial, to *remix* and *Display* them in context for the user. This presentation will illustrate how we can monitor, manage and maintain an online presence, making the most of the new opportunities of the web, and social media, without forgetting sound principles of information management.

### **Data/Government Information Track**

Moderator: Leslie Delserone, University of Minnesota

#### **Soil Geodata Going Fast: Purdue's Isee Project and Web App**

*Chris C. Miller, Purdue University*

Faculty in the Agronomy Department at Purdue University have had great success teaching *with* GIS, specifically by taking students into the field accompanied by rugged tablet PCs. Unfortunately, the learning stops when the tablet PCs are put away. Isee (Integrating Spatial Educational Experiences) is a USDA-funded project that puts large amounts of data – mostly custom-created by soil scientists themselves – online and allows instructors to almost literally guide students over and through the landscapes that best illustrate the soil and earth science concepts introduced in their courses.

This collaboration between soil and crop scientists, librarians, and computer graphics technologists has produced a swift, intuitive web GIS that makes valuable Indiana soil data available in the classroom without the overhead

typically associated with web (or desktop) GIS. Datasets produced with the expertise of soil scientists are stored, prepared, and served by Libraries' GIS via a Google Earth-based interface that was custom-built by faculty in Purdue's Computer Graphics Technology Department. The result is an open, reusable, extensible web application that makes a rich and vivid store of soil data available to all. The presentation will overview the circumstances that allowed such a collaboration; detail the mechanisms and methods through which these datasets and interfaces were built; and report on all assessment activities completed to date.

#### **Examining Data-Related Practices of Agricultural Field Researchers**

*Florian Diekmann, The Ohio State University*

Long-term availability of primary research data from agricultural experimentation is an increasingly important issue for the agricultural research community. Field experimentation, in particular, requires the synthesis of data across multiple seasons, sites, and locations creating specialized, heterogeneous, and distributed data sets, and typically generates more data than will be reproduced in a research paper. Despite several calls and initiatives to improve access to primary research data and to facilitate sharing of primary research outputs across the agricultural domain, generally accepted standards and tools for data collection and acquisition, data structuring and annotating, data curation, and data reuse are still in a nascent stage. This study contributes the agricultural field researchers' point of view with an in-depth analysis of data-related practices. It is based on semi-structured interviews with scientists at the Ohio Agricultural Research and Development Center. Fourteen hour-long interviews were conducted with researchers from six academic departments and were structured around a research life-cycle model. All interviews were recorded, transcribed, and manually coded to identify common themes. Qualitative data analysis using NVivo showed the extent to which research data from field experiments and observations, commonly collected manually at multiple locations and points in time, are stored in a number of minimally structured and documented files. Informants described how organization and access to these files make searching, retrieval, and aggregation of data and information from different field experiments time consuming and error-prone. Data management efforts are complicated by additional descriptive information concerning the field experiments, which are often kept in separate field books or file folders, often in a non-digital format. Data processing, analyzing, and storage are highly fragmented and raise concerns about long-term availability of these data sets. The study then highlights informants' opinion of organizational and technical barriers to long-term access, curation, and preservation of primary agricultural research data.

#### **Government Information on Agriculture: A Cornucopia of Cross Disciplinary Content**

*Stephanie Schmitz, Purdue University, and Marianne Ryan, Northwestern University*

Given its multidisciplinary nature, agriculture information produced by the U.S. Government yields an abundance of resources spanning the sciences, social sciences, and humanities. Targeted to audiences ranging from those with a casual interest in gardening, food and nutrition to others involved in applied scientific research or public policy, resources that document the activities of the government have a broad appeal and include information such as plant guides, economic reports, agricultural patents, climatological data, laws, tourism information, crop bulletins, historical information and primary source materials, art, photography, coloring books, and more. This presentation will encourage agricultural enthusiasts of all types to gain an awareness of and further explore and use government information sources.

### The Historic Census of Agriculture

*Nan Hyland and Joy Paulson, Cornell University*

The United States Department of Agriculture Economics, Statistics and Market Information System (USDA ESMIS – <http://usda.mannlib.cornell.edu>) is the product of an ongoing and dynamic partnership between Cornell University's Albert R. Mann Library and five economic agencies of the United States Department of Agriculture (USDA). The system provides the public with fast, free electronic access to agricultural information. These materials cover U.S. and international agriculture and related topics. The number of reports sent or downloaded total more than two million annually. At the present time, information from five USDA agencies is represented: the World Agricultural Outlook Board (WAOB), the Economic Research Service (ERS), the Foreign Agriculture Service (FAS), the National Agricultural Statistics Service (NASS), and the Agricultural Marketing Service (AMS).

A wealth of historical information is also available to USDA ESMIS users. In partnership with the USDA, Mann Library has endeavored to scan and make available all historical NASS and WAOB reports, some of which date back to the early 1900s. Mann Library is also collaborating with the USDA to scan and distribute Historical Census of Agriculture material. The Census of Agriculture is the only source of uniformly collected agricultural data covering every state and county in the United States. Several years of this historic material will be made available for the first time in electronic format in 2010. This presentation will focus on the processes used to scan and upload the Census of Agriculture documents as well as highlight the information contained within the system. The audience will gain a better understanding of the types of data available and how to navigate the Census of Agriculture.

## Tuesday, Contributed Papers/Sessions

### Interdisciplinarity Track

*Moderator: Jessica Page, The Ohio State University*

#### Information Literacy Across the Disciplines: Agriculture, Natural Resources, and the Sciences

*Elizabeth Berman, University of Vermont; Allison Level, Colorado State University and Maribeth Slebodnik, Purdue University*

In this program the panelists will discuss the new ACRL Science and Technology Section (STS) Information Literacy Committee's Science Information Literacy Wiki and its application across the science disciplines. Information about the wiki's creation and early use will be discussed. Panelists will also share some specific examples of information literacy successes at their institutions. During the program, there will be time included for questions and discussion from the audience. Ideas and outcomes from discussion and audience participation will be combined and then added to the STS IL wiki. This will provide additional content for the wiki in the areas of food, agriculture, natural resources, or related disciplines.

### The Diverse and Interdisciplinary Nature of Veterinary Research: An Analysis of Research Trends at Six Midwestern Colleges of Veterinary Medicine

*Gregory Youngen and Amy Gullen, University of Illinois*

The primary focus of veterinary medical research is animal health and wellness. However, research activities at the nation's colleges of veterinary medicine reach far beyond what would be considered the traditional areas of animal health. An analysis of peer-reviewed articles produced at six Midwestern colleges of veterinary medicine indicate a broad array of non-traditional research interests, robust interdisciplinary collaboration, and an increasing interest in human and public health issues. This study examines the peer-reviewed articles published by faculty at Illinois, Wisconsin, Minnesota, Ohio State, Michigan State, and Purdue University's colleges of veterinary medicine. We identify the non-traditional subject areas and trends in research by utilizing bibliographic analysis tools available in PubMed, ISI's Web of Knowledge, and SCOPUS. We also show how new textual analysis tools, such as word clouds, can be used to re-conceptualize this data. Our study identifies: 1) journals outside the traditional vet med literature where veterinary faculty publish; 2) research areas outside traditional vet med in which veterinary faculty are publishing; and 3) institutional collaborations and overlap.

### New Roles/Partnerships Track

*Moderator: Deva Reddy, Texas A&M University*

#### Current Awareness and Personal Information Management: A Challenge for Researchers and a Role for Librarians

*Julie Kelly, University of Minnesota*

This paper focuses on the problems that students and researchers have with keeping current and staying organized, and how librarians could play a role in addressing those issues. Current awareness and personal information management (PIM) can both be a challenge. The electronic world holds great potential to streamline these processes, but it has not been realized yet. Commonly available current awareness tools such as e-mail alerts and RSS are underutilized. PIM tools, which are designed to address issues of storage and retrieval, often perform only one task but are incompatible with other tools. With the exception of citation managers, most PIM tools currently available are free of charge, but seldom have adequate support, and may disappear without warning. E-book readers could play a role in PIM, but their features were not initially designed with an academic market in mind.

Our institution had a task force to look into these issues and recommend possible roles for librarians. A local survey of faculty and students revealed much dissatisfaction with current practices, especially in PIM. Respondents listed over 100 tools that they employed, and they expressed interest in assistance from librarians. A literature search revealed varying levels of researcher's frustration, revealed in titles such as:

"Stuff Goes into the Computer and Doesn't Come Out"

"Why Can't I Manage Academic Papers Like MP3s?"

"Defrosting the Digital Library"

Librarians were seldom mentioned as potential sources of assistance or expertise.

The task force noted that librarians may have an important role to play in teaching users about current awareness and PIM tools. Organization, searching, and retrieval are basic skills for our profession. Many of us currently teach and consult about various citation managers, and our close ties with academic departments could help us identify the unique needs of different disciplines and find ways to address them.

**Connecting Agriculture Information with Learning and Teaching of Students and the Community**

*Katherine O'Clair and Benali Burgoa, California Polytechnic State University, San Luis Obispo*

Increasing public awareness about the significance of agriculture in the Nation's economy and human and environmental health is important to the community. Education and outreach are vital to this effort. The Agriculture Ambassadors (Ag Ambassadors) is a campus service organization comprised of students in the College of Agriculture whose mission is to promote agriculture, as well as recruit students for the College. The Ag Ambassadors educate the public about the importance of agriculture in a variety of ways, including traveling to high schools, community colleges, and agricultural shows to share information about agriculture. They also provide tours of the College's agricultural facilities to community groups and organizations and act as a public relations branch for the College of Agriculture.

The Ag Ambassadors' Faculty Advisor and the Agriculture Librarian have collaborated to introduce the students to the wide variety of agriculture-related information resources available that will benefit them in both their lifelong learning as students of agriculture and their teaching as educators of the community on agriculture-related issues. The goal of these efforts is to increase the students' use of these information resources to help them prepare for their education and outreach activities, and through this they are educating themselves at the same time. In addition, the authors are expanding the reach of information literacy efforts by going beyond the classroom and into extracurricular activities. To achieve this, the Librarian has created the Ag Ambassadors Knowledge Portal to help the students find the information needed for their education and outreach activities quickly and easily. The students also participate in workshops about using the Knowledge Portal during their weekly Club meetings. This presentation will share how the authors worked together to develop and implement these strategies and how it has benefitted both the students and the community.

**Terminology Across Borders: A Partnership to Build a Bilingual Tool for the Americas**

*Lori Finch and Melanie Gardner, USDA National Agricultural Library*

Language is complex. The terminology used in agriculture can be much more complex and technical than what is used in everyday language. Linguist Simon Ager identifies thirteen dialects of Spanish in Latin America and Caribbean (LAC) regions. It is common for native Spanish speakers from distinct regions to not understand the words chosen by each other, as each sounds foreign to the other. The inherent complexities of the Spanish language in Latin America and the complexities of agricultural terminology create a huge challenge for those seeking information on agricultural topics in the Americas. The major languages spoken in the Americas are English and Spanish, with Spanish being the fastest growing language used in United States' agriculture. The need for a bilingual tool that aligns English, Spanish, and the Latin America regional vocabularies would benefit scholarly communication and knowledge exchange in the Americas.

The National Agricultural Library (NAL), the Inter-American Institute for Cooperation on Agriculture (IICA), and the Orton Memorial Library (BCO) began working together on a bilingual agricultural thesaurus in 2006. *Tesaurus Agrícola* was launched in May 2007. To date, the partners have launched a Wiki for collaborative thesaurus editing, identified an initial workflow for terminology proposals, and are learning how to work across the distances and time zones to create a tool which enhances access to agricultural information across the Americas. In March 2010, the partnership will be expanded to include a group of subject experts beyond Costa Rica which represent the various dialects of the LAC countries. This paper explores the difficulties and challenges of working across borders, such as: language barriers, cultural differences, translation of technical terms, consistent telecommunications, Web 2.0 technologies, and lexicography training across distances.

**Liaison Librarian Tectonics: shifting roles, responsibilities, and challenges**

*Allison Level, Colorado State University*

In the past few years many reference librarian positions have morphed, changed, or been renamed as liaison librarians. Is this just semantics or does this signal a more fundamental shift in positions, discipline coverage, and/or organizational structures? This presentation will focus on research results from a survey of science librarians regarding their job titles, responsibilities, shifting work patterns, and more. Many agriculture/natural resources librarians responded to the survey. Information about liaison roles gathered from selected land grant libraries will also be included. Audience comments regarding liaison librarian experiences will be encouraged with the hope of a follow-up collaboration with interested participants.

**Wednesday , Contributed Papers / Sessions**

**Preservation Committee Update**

*Joy Paulson and Marty Schlabach, , Cornell University*

1. Where do we go from here?: an update on the USAIN Preservation Projects funded by NEH. We will report on the completion of Phase VI, the funding situation for Phase VII, and ideas for moving the project forward in light of the funding situation.
2. Demonstration of HARVEST: Access to Historical U.S. Agricultural Collections (<http://harvest.mannlib.cornell.edu>) , the portal created during Phase VI of the USAIN Preservation Project to allow searching across CHLA and the state collections that are digitized. We will also explain ways to contribute material to HARVEST
3. Print Archiving for U. S. Agricultural Literature: possibilities for partnering with the Center for Research Libraries (CRL).

**Animal Welfare Information: Supporting Research and IACUC at Your Institution**

*Helen Smith, The Pennsylvania State University; Tim Allen, USDA Animal Welfare Information Center; Jodee Kawasaki, University of Alaska; and Valerie Perry, University of Kentucky*

Librarians are important partners in promoting animal welfare in their organizations. A panel will discuss how librarians have supported animal research and welfare at their institutions and their experiences with Institutional Animal Care and Use Committee (IACUC). The various online resources that are available on the subject will also be discussed.

The IACUCs are required by federal law to oversee the humane care and treatment of animals used in research, education and testing. In addition, the Animal Welfare Act as amended has the purpose "to insure that animals intended for use in research facilities or for exhibition purposes or for use as pets are provided humane care and treatment..."

Librarians serve multiple roles in this endeavor from serving on IACUCs to assisting the primary investigators with the required literature searches. Some libraries offer literature searching training programs for scientists and IACUC members wanting to understand this skill. Traditionally these duties fell primarily to medical and veterinary science librarians; however librarians of any subject area which includes animal research are now being tapped. Agricultural librarians are included in this group since many universities require all research involving animals to receive IACUC approval even if the species are not included under the Animal Welfare Act.

**Libraries and Librarians, a Potential Resource for the Local Foods Movement**

*Margaret Merrill and Kyrille Goldbeck, Virginia Tech and Deva Reddy, Texas A & M University*

The "Local Foods" movement, a rapidly growing phenomenon in modern society, has caught most land-grant universities by surprise. A consumer movement, originating in Europe and spreading rapidly to North America and other parts of the world, it derives from consumers' concern over the safety of the food they eat and their desire to know where their food comes from. As the agricultural world has become aware of the movement, departments of Agriculture and land-grant universities have started to address the issues being raised by this movement. This session will discuss 1) some of the key resources relevant to the "local foods" movement and 2) suggest strategies for finding additional information that supports small-scale local farming or that informs new research on local farming and local marketing. A discussion, including the audience participation, of information management vis-a-vis the issue of "local foods" will follow the presentations.

**1. VIVO: Creating Partnerships across Disciplines**

*Valrie Davis, University of Florida; M.H. Devare, Cornell University; K.L. Holmes, Washington University in St. Louis School of Medicine; and S. Russell Gonzalez, M.R. Tennant, and M. Conlon, University of Florida*

Institutions often face real challenges when presenting a clear picture of research, publication, and funding efforts to the outside world. Additionally, while cross-disciplinary collaboration is increasingly important, there is often little institutional support for building the communication and collaboration networks necessary to facilitate this. VIVO is an NIH-funded open source Semantic Web network of local ontology-driven databases designed to enable national networking of scientists. VIVO is currently in development by Cornell University, University of Florida, and Indiana University, and implemented at Ponce School of Medicine, Scripps Research Institute, Washington University in St. Louis, and Weill Cornell Medical College. Each institution has a local version (e.g., VIVO@WUSTL) that links up to the national VIVO network. This poster will discuss the specific functionalities and services proposed for VIVO, the Library's involvement in development and dissemination of VIVO, and how institutions can become a member of the VIVO community.

**2. Creating New Partnerships: An Examination of Two Collaborative, Grant-funded Digitization Projects**

*Jenny Oleen and Livia Olsen, Kansas State University*

Acquired over a lifetime and representing that lifetime of knowledge, slides (used for class lectures, conferences, and public presentations) and extensive collections of print materials document the progress and results of a professor's research. These materials are a valuable source of information for current and future generations. Now that digital images are the norm, scanning slides and print materials is a way to ensure that future students and researchers can access and use these unique materials. This poster will discuss the similarities and differences between two grant-funded, collaborative scanning projects conducted at Kansas State University. Both projects were collaborations between librarians and academic faculty.

The first project digitized grain sorghum disease images slides that were originally captured by Dr. Larry Clafin, an internationally recognized expert on grain sorghum diseases. He was nearing retirement when he approached the library about preserving his grain sorghum disease slides. The project team utilized the Plant Diagnostic Information System (<http://www.pdis.org/>) which allows researchers to submit images of plants with pest problems into a web searchable database of diagnostic information. Protocols created during this project were later used for an additional slide digitization project which involved corn and potato disease slides.

The second project involved digitizing natural history publications, now available through the web portal BiodIS (<http://biodis.k-state.edu/>), K-State's Biodiversity Information System. BiodIS, a collaborative project between the K-State Herbarium, the Museum of Entomological and Prairie Arthropod Research, and K-State Libraries, provides online digitized biodiversity content. The portal houses databases for these K-State natural history collections, specimen photographs, sample K-12 lesson plans, and a digital resources section. A range of documents, from master's theses to Agriculture Experiment Station Publications, have been scanned and uploaded as searchable PDF files.

These two projects have similarities and differences which can be applied when considering future grant-funded collaborative digitization projects.

**3. Critical Thinking in Library Instruction: Charting the High Points and Avoiding the Sinkholes in the College Library Landscape**

*Jo Staggs-Neel, University of Kentucky*

This poster will begin with an overview of current concepts of critical thinking (CT) and information literacy (IL). It will examine CT and IL instruction in university library settings in the US and discuss efforts by library organizations such as ACRL and SLA to prepare students and patrons for life-long self-education. It will conclude by presenting some successful CT and IL instruction efforts in order to exemplify current best practices.

**4. LibX: Reconnecting Users and Libraries**

*Kyrille Goldbeck, Virginia Tech University*

LibX is a browser plug-in for both Firefox and Internet Explorer that creates a virtual traveling library in order to provide users direct access to their library's resources anywhere they go on the web. LibX editions can be customized to include several different online resources that can be searched. There are multiple methods (e.g., toolbar, right click context menu, visual cues, etc.) that can be employed for users to seamlessly access these resources, usually with just one click of a button. This creates an efficient research workflow and promotes the use of library resources, as researchers no longer have to keep (or remember to keep) a separate window or tab open in order to search their library's resources. As of November 23, 2009, this free, open source tool had been adopted by over 680 academic and public libraries, each offering a public LibX edition to their constituents.

The ability to customize a LibX edition for a particular library or group of users makes this a very versatile tool for researchers and librarians. Librarians, regardless of programming skills, can customize sets of resources and make them readily available for their users. Researchers are also able to customize several of the display options to suit his or her preferences. This poster will demonstrate how users can incorporate LibX into their research workflows as well as show librarians how to create their own edition of LibX using the LibX Edition Builder. More information about the LibX project is available at <http://libx.org/>.

**5. Embedding Science Librarians into the Academic Community: An Accumulation of Best Practices**

*Kyrille Goldbeck, Allison Scripa, and Margaret Merrill, Virginia Tech University*

The Virginia Tech University Libraries' College Librarian program was initiated in 1994 to enhance the services librarians provide to their patrons. This unique program embeds academic librarians in the colleges and departments they serve. The increased interactions that have resulted from "being in the college" have enabled librarians to forge stronger collegial relationships with their faculty. As a result, many have been asked to collaborate with faculty to create effective class assignments that increase student information literacy skills. For faculty who cannot spare class time for IL instruction, online course guides have been developed that are linked into the class Blackboard or Scholar site. These guides are tailored to specific assignments, projects, or the class in general. Usage statistics suggests that these guides increase student awareness of library resources.

In addition, the close working relationships that have developed between subject librarians and teaching faculty have resulted in librarians being involved in actual course design. In some of these instances, librarians have also been made part of the instructional team. One example of embedded librarians at Virginia Tech is in the innovative and interdisciplinary Earth Sustainability Curriculum for Liberal Education course where information literacy is an integrated and assessed part of a curriculum that spans four consecutive semesters. This poster will present multiple examples of the services and projects Virginia Tech's embedded librarians are engaged in and have found effective.

## 6. Integration and Collaboration: Leveraging IT/Library Cooperation by Combining Traditional Research Instruction with Technology Training

*Amy Shannon and Ann Medaille, University of Nevada, Reno*

Today's successful researcher requires a complex set of research and technology skills and familiarity with a wide range of production equipment. Traditional research instruction is no longer sufficient. UNR's "Knowledge Center à la Carte" consists of a series of hands-on workshops that integrate traditional research training with instruction in software, instructional technology, and production skills. This program was designed to meet the research and technology needs of faculty, staff, graduate students, and honors students. Collaboration between librarians, computing professionals, and teaching experts allowed us to offer a mix of workshops that was especially attractive to an audience often overlooked by traditional library instruction.

## 7. Understanding and Researching the U.S. Farm Bill

*Bert Chapman, Purdue University*

Approximately every five years, the U.S. Congress enacts legislation authorizing spending levels for U.S. government agricultural programs for the next five years. This poster will describe this complex process and the involvement of governmental policymakers and non-governmental organizations (NGOs). It will place particular emphasis on the information resources produced by the U.S. Congress and congressional support organizations. Those attending this poster should gain a heightened understanding of the complex political and economic factors involved in developing and passing this critical legislation.

## 8. A Structured Approach to Understanding Agricultural Libraries in Africa

*Shiferaw Assefa, University of Kansas*

This poster examines the role of agricultural research libraries in the research and development of agriculture in African countries. The majority of the African countries largely depend on agriculture for their economic development, so investment in agricultural research deserves a priority in these countries and information is a vital resource. The acquisition, organization, and dissemination of pertinent information to those who need it are often of paramount importance to increase agricultural productivity in the continent. Many African countries have established national agricultural libraries to develop and maintain library services in agricultural sciences and related disciplines. In addition, they serve as centers for the national agricultural library networks, national bibliographic centers, and legal depository of published and unpublished materials on agriculture and related fields in their countries. This paper will discuss the capacity of national agricultural libraries in Africa in the dissemination of agricultural information, and the capacity of human resources at these libraries to provide information to users in the different regions of the African continent.

The poster includes extensive references. The author has recently completed a thorough review of the library and archive structure within Ethiopia, and is engaged in research on the historical diffusion of agricultural innovation in that country.

## 9. Fostering International Communications: The Development of the Web-based International Directory of Veterinary Medical and Related Libraries

*Vicki Croft, Washington State University; Tara Tobin, University of Florida; Susanne Whitaker, Cornell University; and Trenton Boyd, University of Missouri*

For many years the Veterinary Medical Libraries Section/Medical Library Association (VMLS/MLA) has compiled and distributed a Directory of Veterinary Medical and Related Libraries for the U.S. and Canada. With the advent of several international conferences and the subsequent formation of new veterinary library organizations worldwide, along with the international VETLIB-L listserv, the need for a comprehensive international directory of veterinary libraries and librarians became apparent.

**Purpose:** To produce a web-based directory of veterinary and related animal health libraries with current, accurate contact information.

**Methodology:** Information was collected from previous lists and directories in existence, including the VETLIB-L listserv subscriber list; direct contacts with international libraries and organizations; and by searching Google for libraries affiliated with international veterinary schools. A template was developed to make all entries uniform. Privacy issues were honored when necessary.

**Results:** A robust directory of veterinary and related libraries has been compiled and is available on the internet. The website is: <http://www.vmls.mlantet.org/vlindex.htm>

**Conclusion:** Today's technology and tools such as Google have made possible the compilation of a comprehensive International Directory of Veterinary Medical and Related Libraries, one which can easily be kept up-to-date.

## 10. Plant Information Online: Growing an Information Resource from the Ground Up

*Katherine Allen, University of Minnesota*

Originally created by librarians as a tool for libraries, Plant Information Online (<http://plantinfo.umn.edu>) provides a suite of databases of interest to plant and gardening enthusiasts and students, as well as professional botanists, horticulturists, foresters, and researchers. Some of the databases have been available in print (various titles) since 1979 and online through paid subscription since 1997. The whole site is now available free to the general public as a service of the University of Minnesota.

The site's four main sections include citations to nearly 400,000 images of wild and cultivated plants in the scientific, trade, and popular literature; current sources for nearly 110,000 different plants offered by North American firms; links to expert-selected websites of information and images on plants of particular interest to gardeners; and a directory of North American seed and nursery firms.

The presentation will include a brief history of the development of the databases including issues encountered when transitioning to the web. Each section will be demonstrated with sample searches and results, search tips and tricks, and the types of questions each section can answer. The presentation concludes with a look at the sustainability of the project and possible partnerships to continue the creation and packaging of plant information.

### **11. Digitizing Alabama Experiment Station Agriculture Reports: Successes & Challenges**

*Claudine Jenda, Auburn University*

In this presentation, we will share experiences digitizing state agricultural experiment station publications. Using D-Space, we have created a database containing 2000 agriculture experiment station reports from 1883 to present. The database will include commercially produced digital images. A few documents are linked to images that are produced in-house. We will describe typical manpower, equipment, expertise, and other factors needed for such a project. We will share our successes and problems implementing this project.

### **12. If We Build It, Will They Come?**

*Katherine O'Clair and Marisa Ramirez, California Polytechnic State University*

Institutional repositories (IR) offer a centralized place to preserve and provide access to the variety of research, scholarship, and creative works generated by the institution. Many academic libraries have expended considerable resources to establish local institutional repositories to increase visibility and access to scholarship and foster cross-disciplinary research and collaboration at the institution and with external partners. In 2007, we launched our IR as a centralized location for digitized research and scholarship completed by faculty and students and campus entities, including the University's College of Agriculture. Initial enthusiasm from the College for the initiative was a result of the strong service-centered model for participants. But despite a responsive, service-focused IR staff and enthusiasm by faculty and students for contributing their works to the system, it remains to be seen if they have fully adopted the use of this new technology.

This poster will discuss how education and outreach can help maximize the benefits and minimize the challenges associated with contribution to the IR. The Agriculture Librarian and the Digital Repository Librarian will share the efforts they have employed to overcome the challenges and offer recommendations on how to get your institution's constituents contributing to your IR.

### **13. Small Projects that Make a Big Difference**

*Federico Sancho, Inter-American Institute for Cooperation on Agriculture (IICA) and Melanie Gardner, USDA National Agricultural Library*

Tropical libraries in the south face challenges beyond those of collections, staffing, budget, and technology issues. Many older tropical libraries and some new ones were built with no environmental controls. In 2006, the USDA's Agricultural Research Service provided financial support in the form of a "specific cooperative agreement" to the Orton Memorial Library of the Inter-American Institute for Cooperation in Agriculture in Turrialba, Costa Rica. Orton Memorial is one of the largest agricultural libraries in the hemisphere and it owns one of the unique collections related with tropical agriculture in the globe.

Its collections were at great risk, so the funds allowed the Library to remove and clean all the materials from the shelves, have the shelving repainted, and purchase enough supplies to rebind some of the most damaged items. Adjusting and cleaning all the materials also allowed sharing an original collection of almost 14,000 documents with Google so they were fully digitized and now link to IICA's digital library. This year-long effort took the dedication and work of the entire Library staff. The small amount of funding made a remarkable difference for the future. This presentation will take a look at the project and outcomes.



## \* Soil Geodata

Agronomy prof. took students + tablet PCs out  
in the field. Putting stuff in Google Earth  
[isee.purdue.edu](http://isee.purdue.edu), not finished yet

## \* Agricultural Field Researchers

 \* Gov't info on Agriculture  
crop explorer

## \* Historic census of Ag.

Cornell has them digitized

WAOB historical reports scanned

1987, 1982 census scanned end

working backwards

can't go down to the individual  
farm level

[www.agcensus.usda.gov](http://www.agcensus.usda.gov)

## \* Heifer International 5/11

"not a cop - but a cow" born 1944

Mission - "work with communities to end hunger  
+ poverty and to care for the earth"

Holistic Dev. Perspective

Body            physical

Head            mental

Hands            social

Heart            spiritual

Feet            ecological

in US now have an urban program, gardeners





Lined writing area with 25 horizontal lines.

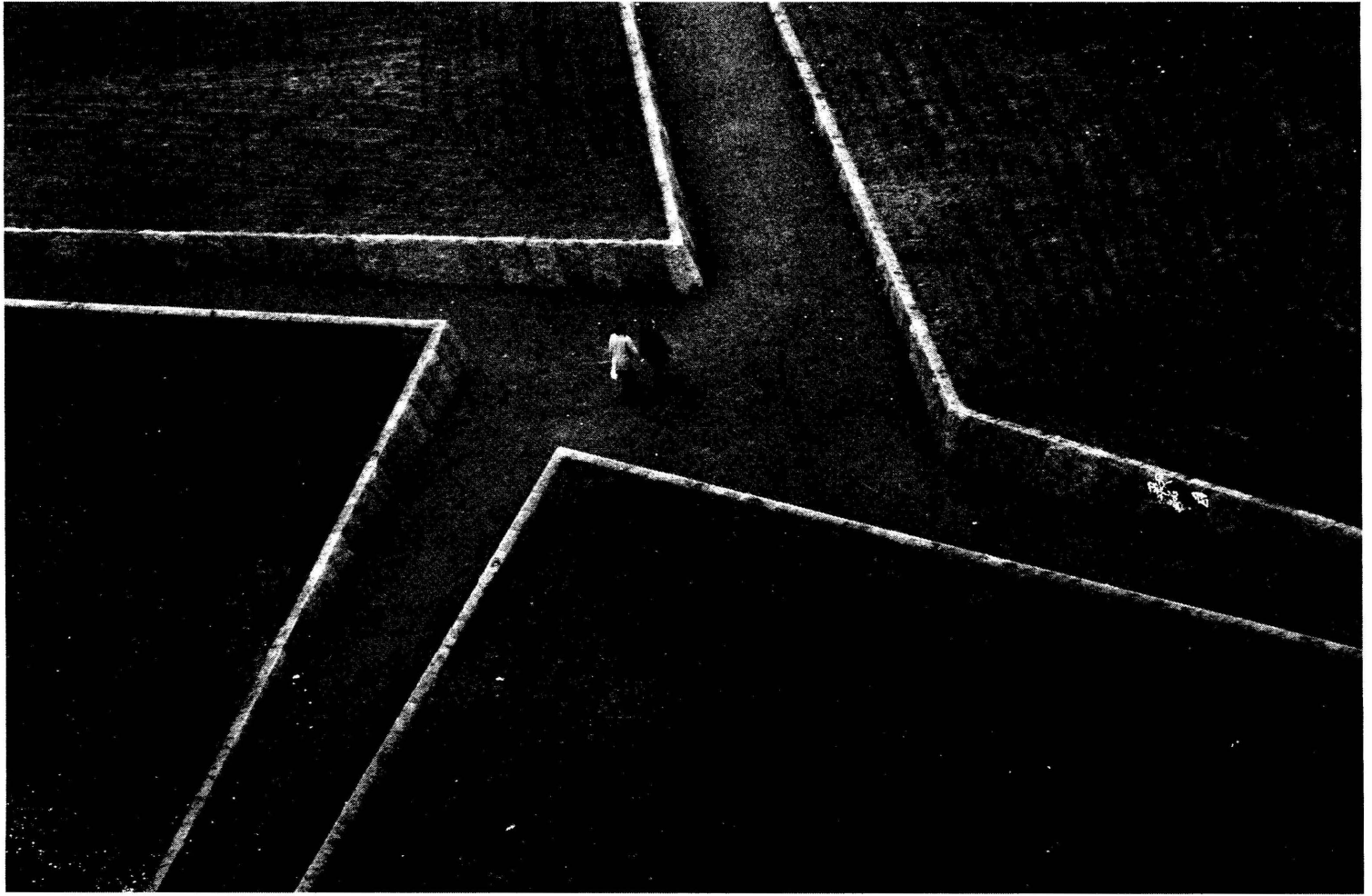




**USAIN**

**NOTES**

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