



More Journals, New Publishers

Three new publishers joined the TEEAL team this year. The British Medical Journal Publishing Group, the Tri-Societies (American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America) and the Community Development Society contributed *Archives of Disease in Childhood*, *Journal of Medical Genetics*, and *Journal of Epidemiology of Community Health* (BMJ); *Agronomy Journal*, *Crop Science*, *Journal of Environmental Quality*, and *Soil Science Society of America Journal* (TS); and *Journal of the Community Development Society* (CDS). Additionally, the National Research Council of Canada increased their participation by adding three new journals: *Biochemistry and Cell Biology*, *Crop Science* and *Genome*. These journals will be delivered to subscribers in the 2006 Annual Update of LanTEEAL, due out in December 2007.

We would like to take this opportunity to express our tremendous appreciation to TEEAL's 60-plus publishing partners and index providers for their continued support in making TEEAL possible. (See back cover for a full listing.)

LanTEEAL – An Unqualified Success

We launched TEEAL in 1999 as a set of compact discs containing 145 journals (1993-1996) chosen by a panel of over 600 international scientists as being highly relevant to agricultural research in the developing world. Eight annual updates later, the set grew to 426 discs. For the past 18 months, the TEEAL Project has been offering subscribers the option of LanTEEAL, which allows users to access TEEAL's index and articles through the convenience of a local area network (LAN). The contents of hundreds of discs now fit onto a 300 GB hard drive not much larger than a video cassette or a book (see photo, above right).



Dr. Pamela Marinda, ITOCA Kenya liaison, and Mr. John Thuku, Systems Librarian at Kenyatta University, hold the LanTEEAL hard drive during its installation at Kenyatta in September 2006. In the background are the towers holding the original 426-CD set, which now fits into the LanTEEAL hard drive.

LanTEEAL has seen strong growth in its distribution since its launch in July 2005. It has been acquired by more than 50 universities and research centers in such countries as Burkina Faso, Afghanistan, Costa Rica, Ghana, Kenya, Lesotho, Vietnam and Zimbabwe. Several donor agencies provided funding assistance last year, including World Vision-Angola, The Atlantic Philanthropies and the Technical Centre for

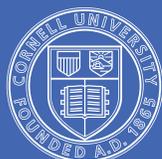
Agricultural and Rural Cooperation (CTA). (An extended list of recent funders is on the back cover.)

LanTEEAL's popularity is a testament to its high-quality content, user-friendliness, and ease of

access to its full-text articles. LanTEEAL performs like a web tool, but without the need for an Internet connection or phone lines—still a limitation for many institutions.

“ The use of [Lan] TEEAL has been overwhelming. It is used from 8:00 am to 5:00 pm. Most users of TEEAL feel it has improved the quality of their work.”

George Gitau Njoroge, Head, Library, Chepkoilel Campus
Moi University, Kenya - September 2006



Collaboration with AGORA-HINARI Continues

AGORA (Access to Global Online Research in Agriculture)
www.aginternetwork.org

HINARI (Health InterNetwork Access to Research Initiative)
www.who.int/hinari

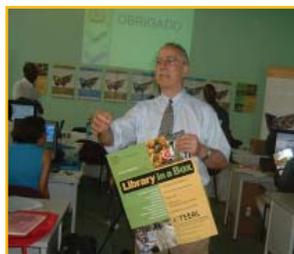
OARE (Online Access to Research on the Environment)
www.oaresciences.org

TEEAL outreach and training continues to be closely linked to AGORA, HINARI, and, since October 2006, OARE. OARE is the most recent addition to this suite of international journal-delivery programs and is co-led by the United Nations Environment Programme and Yale University. Recently, the library at the Food and Agricultural Organization (FAO), which also provides the AGORA Secretariat, has begun demonstrating LanTEEAL to visitors from eligible countries.



Mrs. Gurira (far left), Deputy Librarian, leads a tour of the University of Zimbabwe Library in May 2006. Looking on are UZ Ag Librarian Zanele Hadebe, Gracian Chimwaza and Godfrey Mhetu of ITOCA, Mary Ochs of Cornell University (TEEAL Director), and Blessing Chataira of ITOCA.

At right, Michael Weber, Michigan State University, played a key role in the Mozambique workshop that catered to Portuguese-speaking participants.



ITOCA Gains Momentum: Training Workshops

The team at the Information Training and Outreach Centre for Africa (ITOCA), formerly the TEEAL Africa office, led six training workshops this past year, reflecting their expanded role in delivering agricultural information literacy. ITOCA's director Gracian Chimwaza and medical librarian Vimbai Hungwe organized national and regional Train-the-Trainer workshops that covered use of TEEAL, AGORA and HINARI. More than 200 researchers, librarians, information specialists and academics participated in these training sessions. Major funding from the Rockefeller Foundation, CTA (Technical Centre for Agricultural and Rural Cooperation), and the HINARI Program helped to make possible these important workshops, which involve 3 1/2 days of intensive training for up to 35 participants coming from both the agriculture and health sectors.

The following multi-day workshops took place in 2006:

- **Mozambique**, held at Universidad de São Tomas with participants from Mozambique, Angola, Cape Verde, Guinea Bissau, São Tomé & Príncipe and Timor Leste.
- **Senegal**, held at Cheik Anta Diop University with participants from Senegal, The Gambia, Guinea and Guinea Bissau.
- **Mali**, held at Institut Polytechnique Rural de Formation et de Recherche Appliquée at Katibougou with participants from Mali and Burkina Faso.
- **Kenya**, held at Egerton University in Njoro with participants from upcountry Kenya.
- **Zambia**, held at University of Zambia, Lusaka with participants from the region.
- **Lesotho**, held at National University of Lesotho with participants from Lesotho and Swaziland.

Despite Hardships, TEEAL is Making a Difference in Afghanistan

In 2004, the International Arid Lands Consortium (IALC) at the University of Arizona (UA) purchased a TEEAL set as one of the major resources of the newly created Agriculture Electronic Library at **Kabul University**. UA librarian and alumna of Kabul University Atifa Rawan spearheaded the effort.

Following an intensive two weeks, during which Atifa oversaw a dramatic renovation of an abandoned room, the ribbon-cutting ceremony took place on June 25, 2004, with senior level guests from the Ministry of Higher Education, U.S. Embassy, and the International Center for Agricultural Research in Dry Areas (ICARDA). This was followed in 2006 by the purchase of a second LanTEEAL by UA, this time for **Nangarhar University** in Jalalabad.

A LanTEEAL hard-drive was hand-carried to Afghanistan by UA emissary Nasrat Wassimi in December 2006. Bob Freitas, IALC director, reported to TEEAL Project Manager Nicole Joos that despite hardships, "Nasrat's work was a success and the Technology Learning Center at **Nangarhar University** showcasing the LanTEEAL is up and running. The Internet connectivity still is a problem (to the College); we have hopes that this will be resolved in the next months to come." This past January, Atifa returned to Afghanistan to conduct library and information training and her update shows TEEAL playing a key role in reconstruction of Afghan agriculture, libraries and higher education: "My trip was very productive and I provided library and information training to 35 people from all over Afghanistan in support of the Afghan e-Quality Alliances Digital Libraries Initiative (Washington State University/USAID funding)."

At Cornell, Professor **Hukumkhn Habibi** received hands-on training in LanTEEAL and AGORA from **Nicole Joos**, TEEAL Project Manager. He planned to train others when he returned to Nangarhar University.



“ *I have not heard anyone complain that information on relevant subjects is lacking ever since we introduced them to TEEAL and AGORA.* ”

Robert W. J. Gomonda, Plant Breeder, Agricultural Research and Extension Trust, Malawi - October 2006

On the Road in Malawi: Excerpts from a Trip Report

“The outreach and training mission to Malawi was organized to carry out LanTEEAL training...and assess the general usage of TEEAL at various institutions: **Natural**

Resources College; Chitedze Research Station; and Bunda College and Kamuzu College of Nursing, University of Malawi. I also announced the launch of OARE to all the institutions.

Natural Resources College The training session was attended by 7 lecturers and the librarian. I took them through all the functionalities in LanTEEAL. They were all enthusiastic and quite impressed. Then I showed them OARE and AGORA. They are registered for AGORA, and the librarian registered for OARE straight away. A senior training consultant concluded that LanTEEAL is a, “step ahead and a major leap in information access at NRC.” The librarian and one of the lecturers promised that they are going to train students on how to use LanTEEAL. We agreed that it would be good if lecturers can print full-text articles for students because most of them have printers in their offices.

Chitedze Research Station The librarian, Mr. Katsonga, picked me up and we went and bought 10 boxes of paper for the station. He showed me a file of requests for TEEAL articles by scientists from the stations being served by Chitedze. Scientists in all the stations have access to full-text journal articles. The requests are overwhelming, and sometimes students from other nearby universities come to access TEEAL. He also showed me the TEEAL usage register, which is well maintained and up to date. They now have a wireless Internet connection, since September 2006. The researchers are set to utilize AGORA and OARE a lot. When I introduced OARE, they registered straight away. When their LAN is up and running they will seriously consider LanTEEAL. Now that they have Internet access and paper, Mr. Katsonga said scientists in the remotest parts of Malawi will have access to full-text journal articles.”

Prepared by Sailas Nyareza, ITOCA



Sailas (left) with NRC librarian, Oswin Ambali, outside the Library and Resource Centre.

African Focus Group Emphasizes Importance of TEEAL

In May 2006 Mary Ochs, TEEAL Director at Cornell University's Mann Library, traveled to Tanzania, Zimbabwe and Kenya to participate in a variety of TEEAL-AGORA-HINARI training events. In Nairobi, at the conference of the newly launched Africa Chapter of IAALD (International Association of Agricultural Information Specialists) she co-hosted with Gracian Chimwaza, Stephen Rudgard and Justin Chisenga (both FAO) a focus group of African librarians and researchers to solicit feedback on AGORA and TEEAL. Although it was originally anticipated that TEEAL clients would migrate to AGORA by this year, participants recommended that TEEAL should continue to produce updates for several more years, due to problems of bandwidth and Internet accessibility. LanTEEAL was praised for making TEEAL journals more accessible, though participants requested more content, particularly Africa-focused content.



Participants of the TEEAL-AGORA focus group take a break at the entrance of ILRI headquarters, in Nairobi, (May 2006).

TEEAL's Future

Production is already underway on the 2006 Annual Update of LanTEEAL. If the current demand continues, another update will follow next year. Since LanTEEAL is much more popular than the CD version and is much easier to ship and store, we have phased out the production of CD annual updates. Institutions are still able to purchase the TEEAL back files archives (1993-2005) in CD but we will produce LanTEEAL annual updates only.

The TEEAL Project team interprets the enthusiastic response to LanTEEAL as a positive sign of improving technology environments in many institutions. This should bode well for continued migration of agricultural library users to online journal sources, such as AGORA. Nonetheless, TEEAL will continue to play an important role in libraries because of its relevant content and back content (issues spanning back to 1993).

TEEAL continues to be an important component in transforming the learning and research environment in many institutions. More than 130 institutions in 55 countries use TEEAL to do research. We greatly appreciate the ongoing participation of leading scientific publishers and international funding organizations.

To learn more about what TEEAL offers and what institutions are using it, please contact us at teal@cornell.edu.

Contributing TEEAL Publishers and Index Providers

African Crop Science Society	Canadian Society for Bioengineering	International Rice Research Institute	Soil and Water Conservation Society
Agricultural Economics Society (UK)	CIRAD	International Service for the Acquisition of Agri-biotech Applications (ISAAA)	South African Society of Animal Science
American Agricultural Economics Association	A. Charles Publishing, Ltd.	Istituto Sperimentale Per La Cerealicoltura	Springer International
American Association of Avian Pathologists	Colegio de Postgraduados (IREGEP) (Mexico)	Japanese Society of Irrigation, Drainage and Reclamation Engineering	Taylor & Francis
American Chemical Society	Commonwealth Forestry Association	Kenya Agricultural Research Institute	Tri-Societies (American Society of Agronomy/Crop Science Society of America/Soil Science Society of America)
American Dairy Science Association	Community Development Society	Royal Netherlands Society for Agricultural Sciences	Tropical Grassland Society of Australia
American Physiology Society	CSIRO Publishing	Malaysian Forestry Department	University of Chicago Press
American Phytopathological Society	Edagricole (Italy)	Miller Publishing Co.	University of Wisconsin Press
American Society of Agricultural Engineers	Elsevier	National Research Council of Canada	Weed Science Society of America
American Society of Animal Science	Farm Machinery Industrial Research Corporation	New York Botanical Garden Press	John Wiley & Sons, Inc.
Annual Reviews	Food and Agriculture Organization (FAO)	Oxford University Press	World Bank
Asian-Australasian Association of Animal Production Societies	Genetics Society of America	Pakistan Institute of Development Economics	World's Poultry Science Association
Association of Applied Biologists	Indian Society of Agricultural Economics	Population Council Inc	
Bangladesh Institute of Development Studies	Indian Society of Soil Science	Potato Association of America	
Blackwell Publishing	Indian Veterinary Association	Research School of Pacific and Asian Studies (Australian National University)	
British Medical Journal Publishing Group	Institut Agronomique de Tunisie	Rural Sociological Society	
Bureau for Scientific Publications	Institute of Developing Economies	Society for Range Management	
Bureau of Socioeconomic Research and Training	Institute of Development Studies	Society for Reproduction and Fertility	
CABI	Institute of Foresters of Australia	Society of Nematologists	
Canadian Agricultural Economics Society	Institution of Agricultural Engineers		
	Instituto Agronômica		
	International Association of Food Protection		

Index Providers:

American Economics Association (EconLit)
 BIOSIS (BIOSIS Previews)
 CABI (CAB Abstracts)
 National Agricultural Library (AGRICOLA)
 National Library of Medicine (Medline)
 Food and Agriculture Organization of the UN (AGRIS)

Recent TEEAL Donors

We are grateful to the funding agencies that support TEEAL. Here are some examples of agencies* that have placed TEEAL sets and updates at universities and agricultural research institutions in the past year and a half.

Funding Organization	Recipient Institution/s
Asia Foundation	Academy of Agricultural Sciences, North Korea
Atlantic Philanthropies (Seattle) Inc.	Can Tho University, Vietnam
CIDA (The Canadian International Development Agency)	University in Ghana (administered through the University of Guelph)
CTA (Technical Centre for Agricultural and Rural Cooperation)	Ministry of Agriculture, Jamaica; Lesotho; National University of Lesotho
Rockefeller Foundation	12 sub-Saharan African universities and research stations
UNESCO (UN Educational, Scientific & Cultural Organization)	UNESCO coupons used as payment by universities in Nigeria, Benin and Zimbabwe
USAID (US Agency for International Development)	Three Jordanian research programs and two universities in Afghanistan (through University of Arizona); and 10 universities in Iraq (through University of Hawaii)
World Vision Angola	University of Agostinho Neto

*We are not always informed about how a set is funded, whether internal budget funds are used, or funds are gained through external sources.



Participants of the AGORA-HINARI training workshop hosted by Egerton University, Kenya, in May 2006 (above). Holding a LanTEEAL drive is Cornell Professor Alice Pell, Director of Cornell International Institute for Food, Agriculture, and Development (left). Professor Pell is demonstrating TEEAL in Afghanistan.