



OIRD/Virginia Tech Receives \$12 Million for Additional IPM CRSP Grant for Five Years

OIRD/Virginia Tech and its collaborating institutions in the U.S. and abroad received an additional grant for \$12 million for the next five years (1998-2003) to implement Phase II of the Integrated Pest Management Collaborative Research Support Program (IPM CRSP) project funded by the USAID Global Bureau. In the second phase, three additional prime sites have been added. These are in Bangladesh, Ecuador, and Uganda (Uganda was a collaborative site in Phase I). The original grant funding was for \$7.5 million for five years (1993-1998). During the initial five years, considerable progress has been made which received good reviews from USAID appointed panels for both OIRD/Virginia Tech as the Management Entity and the entire IPM CRSP project accomplishments.

Currently, the IPM CRSP project has become a significant player in the worldwide IPM programs. For OIRD/Virginia Tech Management Entity, the OIRD Director, Dr. S. K. De Datta serves as the Principal Investigator. Dr. De Datta is the responsible and accountable person representing Virginia Tech for this project and all donor-funded projects managed by OIRD. Dr. Brhane Gebrekidan serves as the Program Director and Dr. Greg Luther serves as the Assistant Program Director of IPM CRSP. For over

five years Dr. George Norton, Professor of Agricultural and Applied Economics serves as the Chair of the Technical Committee (TC). All the site chairs, a representative of the International Centers, and a representative from the host country institutions also serve on the TC overseeing program planning and implementation. A board representing Land Grant Universities, USDA, and host country institutions and international centers is responsible for policy issues of the IPM CRSP project. Dr. Robert C. Hedlund serves as the USAID Project Manager representing the USAID Global Bureau.

OIRD/Virginia Tech looks forward to continued leadership in the management of the USAID Global Bureau funded IPM CRSP project. This project is expected to serve both collaborating host country institutions and U.S. agriculture. The project brings in a substantial number of graduate research assistantships and research dollars which benefit Virginia Tech faculty and students and the collaborating Land Grant Universities (1820 and 1990 Institutes). The project also trains host country students for short-term and graduate degree programs.

Perspectives

There is a lot of discussion and debate on how to internationalize a University in the Land Grant University system. In my opinion, there is more than one answer. First, as a Land Grant University, Virginia Tech must internationalize all three missions, i.e. education (teaching), research, and outreach. If any campus emphasizes only one or two out of the three Land Grant missions, we will eventually face incomplete tasks. For example, some Universities will take on donor-funded projects that have primarily the Technical Assistance component. By pursuing only that, the University is able to help a poor developing country. That is no longer an attractive task of any faculty member who is paid by state supported Universities. If another University encourages only study abroad programs, it ends up helping only a few students. After the students leave the campus, there is no multiplier

From the desk of Dr. S.K. De Datta, Director of the Office of International Research and Development and Associate Dean of the College of Agriculture and Life Sciences

effect on the campus. On the other hand, if a University engages a large number of faculty in collaborative research or education or outreach, faculty in turn will be able to bring back his or her learning to the classrooms to share the experience and learning with the students. To me that is where the faculty can reach a greater number of students. There is also sustainability in internationalization of the University programs.

International collaborative research, education, and outreach programs with donor-funded projects also bring resources such as research dollars and graduate support which are gradually becoming a challenging task to garner resources. Most Universities are facing reduced budgets in research dollars and graduate student support. Many Land Grant Universities in the country are envious of what OIRD/Virginia Tech is able to do in rapidly

continued on page 4

Noteables

Faculty Involvement Around Campus

College of Agriculture and Life Sciences

Dr. Chester L. Foy, a Professor of Plant Pathology and Weed Science, travelled to Albena, Bulgaria to participate in the Fourth International Workshop on *Orobanche* Research, organized and hosted by the Institute for Wheat and Sunflower, Dobrouja, from 18-25 September 1998. Along with colleague **Dr. James H. Westwood**, a postdoctoral Research Scientist, Dr. Foy presented three co-authored papers: "Influence of *Orobanche aegyptiaca* Parasitism on Amino Acid Composition of Carrot," "Effect of Glyphosate on Amino Acid Composition of *Orobanche aegyptiaca* and Two of its Hosts," and "*Arabidopsis thaliana* Can Be a Model Host for *Orobanche* research." Additionally, he promoted the activities of the Society including the upcoming Third International Weed Science Congress, scheduled for 6-11 June 2000 in Brazil. **Dr. Scott M. Salom**, Assistant Professor in Entomology, co-organized an International Union of Forestry Research Organization's meeting of joint working parties in San Juan, Puerto Rico from 1-4 June. The meeting's theme, "Solving Forest Insect Problems Through Research," attracted scientists from thirteen nations.

College of Architecture and Urban Affairs

Dr. Robert Dyck, Professor of Urban Affairs and Planning, had his paper, "The Abandoned American Skyscraper City and the Practice of Architecture and Planning," accepted for Proceedings of STIQUE 1998 (International Conference on Linking Systems Thinking, Innovation, Quality, and Entrepreneurship) at the University of Maribor (Slovenia) in December 1998. Another paper, "Plecnik's Ljubljana: Classical Urban Design Revisited," is being published in the Journal of the Society for Slovene Studies. His research into "Linkage of Environment and Politics with Architectural Theory and Practice," was a first run selection by the Scientific Committee of the International Union of Architects for Proceedings of the UIA XX Congress, Beijing, China, June 1999.

College of Arts and Sciences

Dr. Darleen Pryds, Assistant Professor of Medieval and Renaissance Studies (CIS), delivered a paper in Rome entitled, "Innocent III and the Papal stance on Lay Preaching," at the September conference, "Innocent III: Orbs et Urbis," commemorating the 800th anniversary of Innocent III's accession to the papacy. Dr. Pryds is also a member of the editorial board for the monograph series entitled "The Medieval Workshop" from Brepols Publishers in Turnhout, Belgium. This

summer Dr. Pryds conducted research for her forthcoming book, The Liturgy of Power: Robert D'Anjou and the Politics of Preaching (forthcoming from Brill Publishers, Leiden, The Netherlands), at the British Library in London. The trip was supported by a Small Project Grant from the College of Arts and Sciences. **Dr. Donald J. Shoemaker**, Professor of Sociology, taught and conducted research at the University of the Philippines, Diliman, during the Spring 1997 semester. He also worked as a guest instructor during July and August. **Dr. Richard Arndt**, Emeritus Professor of Physics, attended a conference on "Spin Physics at Intermediate Energies" in Jeulich, Germany this past November and chaired a session on Nucleon-Nucleon interactions. **Dr. Tetsuro Mitzutani**, Associate Professor of Physics, presented his paper, "Off-Shell effect in the spin 3/2 resonances in the Electromagnetic Production of Strangeness," at the May J-Lab/ECT joint workshop on the excited state of Baryons at the European Centre of Theoretical Physics in Trento, Italy. **Dr. Ron Workman**, Research Professor of Physics, also presented an invited paper at the meeting. **Dr. Mark Pitt**, Assistant Professor of Physics, gave a talk on "The Strange Form Factor of the Proton" at the Eighth International Conference on the Structure of Baryons, held during September in Bonn, Germany. **Dr. Ron Workman**, Research Professor of Physics, also gave an invited overview talk at the meeting. **Dr. Paul Zweifel**, Emeritus University Distinguished Professor of Physics, will participate in the International Workshop on Quantum Kinetic Theory at the Erwin Schrodinger Institute in Vienna, Austria from 11-22 January 1999. He will also spend six weeks as a research visitor at the Department of Applied Mathematics in the engineering school of the University of Florence, Italy, from January through March of next year. **Dr. Royce Zia** and **Dr. Beate Schmittman**, Professors of Physics, travelled to two international conferences in Europe: the largest and most comprehensive meeting on statistical physics, Statphys 20, held in Paris, France, and a conference on Applications of Field Theory to Statistical Physics in Bonn, Germany. Dr. Zia presented "Recent Results in Biased Diffusion of Two Species" and "Vacancy Mediated Disorder: from Exact Results to Mean-Field Equations." Dr. Schmittman presented "Quenched Disorder Fixed Points in a Two-Temperature Lattice Gas" and "Vacancy-Mediated Disorder Dynamics." **Leah B. Shaw**, undergraduate Physics major, was selected as one of only three US delegates to the International Conference of Physics Students in Coimbra,

continued on page 4

OIRD/Virginia Tech Promotes Private Sector Institutions in Ukraine

As part of the Pest and Pesticide Management Project (PPMP) funded by USAID, Virginia Tech was asked to facilitate the formation of a business association for the crop protection industry in Ukraine. Meetings were initiated among potential members in September 1996. After an aborted attempt at developing a truly private sector association in April of 1997, Keith Moore, PPMP Coordinator and Assistant Program Director, OIRD/Virginia Tech, rallied the local and foreign companies to join forces at a meeting in July 1997. At that time, 7 foreign companies and 14 Ukrainian companies signed documents of association agreeing to form the Ukrainian Crop Protection Association (UCPA). Both foreign and domestic members of the Ukrainian pesticide industry have found participation in the Ukrainian Crop Protection Association to be mutually beneficial.

On 25 November 1997, four months after approving a constitution and by-laws, the UCPA was officially inaugurated having passed the scrutiny of the Anti-Monopoly Committee. In attendance at the Inauguration were Natalia Kolichenko and Harry Walters (USAID/Kyiv), Bob Hedlund (USAID/Washington, D.C.), and Dr. S.K. De Datta (Principal Investigator, PPMP and Director, OIRD/Virginia Tech). Open elections were held and Leonid Kozachenko (Ukragrobusiness JSC) was elected President of the Board of Directors. Other board members elected were: Mikola Loboda (Agrochimcenter JSC), Leonid Koritko (Hiprom), Volodymir Sakhnenko (Novartis), Volodymir Trofimov (Land and People), Dirk Rackow (AgroEvo), and John Shmorhun (Dupont). The Board had its first meeting during December to draft an agenda for 1998. At that stage, there were 22 members (15 Ukrainian and 7 foreign companies) and the UCPA was waiting on final approval for registration with the local government authorities. Local authorities had requested the submission of additional forms completed by the member companies. The UCPA is addressing the most pressing policy and business issues of the day at the highest levels of the Ukrainian government.

On 29 January 1998, the UCPA Board arranged a meeting with the Honorable First Deputy Vice Prime Minister Mr. Tigipko to discuss the millions of dollars of debts owed to Ukrainian distributors and the impact this would have on the 1998 cropping season. While we still await fulfillment of all these promises, the UCPA has demonstrated that it has arrived on the Ukrainian policy domain as an important voice for a unified pesticide industry.

The final step in the registration process was completed on 23 April 1998 when the association registered with the local district administration. The Association is now officially registered as a public non-profit organization at the district tax office, pension and employment service, statistics bureau, and the police inspection.

The UCPA has established close contacts with the Ukrainian Parliament's Agrarian Commission, the Ministry of Agriculture, and other government agencies in a sustained lobbying effort which emphasizes: adoption of the Law on Plant Protection which was passed on 15 October 1998; support for market reforms; and defense of private business development in Ukraine. In addition, the UCPA has elaborated the Code of Conduct for its members, and a drafted procedures for a Certificate of Distinction for Ukrainian companies which maintain proper business practices and assure quality control in the distribution of pesticides. Both of these documents were prepared by the Associations' Distribution Agreement Work Group. Another working group has been formed to study the procedures for pesticide registration.

The UCPA has achieved important status as a serious actor on the Ukrainian plant protection scene for two reasons: (1) It is representing the pesticide industry's business interests before key government policy makers; and (2) It is taking leadership as a "good citizen" in setting pesticide industry safety standards. Membership is continuing to grow. At present the UCPA unites 49 companies (14 international, 2 Ukrainian chemical plants, and 33 local distributors). Both foreign and domestic companies are recognizing that they need to be part of this key industry association.

The Office of International Research and Development would like to thank all those individuals who submitted information to the University Abroad Newsletter.

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OIRD

Noteables *continued from page 2*

Portugal during the month of August. She presented a paper, "Phase Transitions in a Driven Lattice Gas with Anisotropic Interactions." **Dr. Deborah J. Milly**, Associate Professor of Political Science, is about to publish her new book, Poverty, Equality, and Growth: The Politics of Economic Need in Postwar Japan (Harvard University Council on East Asian Studies, 1999, distributed by Harvard University Press).

College of Engineering

Dr. John P. Shewchuk, Assistant Professor of Industrial and Systems Engineering, attended a conference on the topic of "Strategic Management of the Manufacturing Value Chain," hosted by the International Federation of Information Processing, Working Group 5.7 - Intergrated Production Management in Troon, Scotland from 26-28 August 1998. In addition to delivering his paper, "Agile Manufacturing: One Size Does Not Fit All," Dr. Shewcuk also received the Burbridge Award for best conference paper presentation.

College of Forestry and Wildlife Resources

Dr. Robert L. Youngs, Professor of Wood Science and Forest Products, received an Honorary Doctorate at the University of Henri Poincare, Nancy, France, the first honorary degree ever given in France in the field of wood science. It was given by the Ministry of Education through the university at a special ceremony honoring five people from the fields of science and medicine. The degree was based on Youngs' accomplishments and international leadership in wood science as well as his cooperation with Nancy and other French universities. Youngs also worked at the Forest Products Division of the International Union of Forestry Research Organizations (IUFRO), the world's major international coordinating body for forestry research worldwide. He was given Honorary Membership, wich is IUFRO's highest honor, and is still active in the union. **Dr. Shep Zedaker**, Professor of Forestry, coordinated another

study exchange with the University of Canterbury in New Zealand, the University of Melbourne in Australia, and the University of Stellenbosch in South Africa. The program began with Australia in 1992, followed by the addition of New Zealand in 1996 and South Africa this year. Six students from Virginia Tech spend the semester abroad from February through December and then work in that country for a summer. In the exchange, students from the three participating schools visit Virginia Tech to receive an international view of forestry.

OIRD Contributes to Academic Agenda

The update to Virginia Tech's *University Plan*, known as the *Academic Agenda*, outlined specific objectives, measures, and targets for each of the strategic directions to allow Virginia Tech to become the model land-grant university of the 21st century. The third direction states that the university will be positioned "as the leading provider of outreach services in the Commonwealth of Virginia by reconceptualizing and restructuring the service component of our land-grant mission." The Office of International Research and Development (OIRD) continues to be a leader in international outreach. OIRD was ranked in the top five among National Association of State Universities and Land-Grant Colleges (NASULGC) members receiving fudning from the US Agency for International Development (USAID). OIRD engaged more than 50 faculty members in donor fund research, education, and technical assistance projects.

Perspectives *continued from page 1*

raising the visibility of Virginia Tech by participation in all three missions. We certainly hope that with time there will be greater recognition of this success story on our University campus. All concerned in the University need to celebrate OIRD/Virginia Tech success in internationalization of our campus. OIRD faculty and staff are confident that with time there will be greater success to celebrate.

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